



APPENDICES

NEW HORIZONS IN MOBILITY

MIDDLESEX COUNTY TRANSPORTATION PLAN ELEMENT *OF THE COUNTY COMPREHENSIVE MASTER PLAN*

Prepared by:

Middlesex County Department of Infrastructure Management
Office of Planning
Division of Transportation
September 2013

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Funding Support by:



Appendix A

Questionnaire on Concerns and Priorities and Summary of Steering Committee Member Responses

DEVELOPMENT OF NEW
MIDDLESEX COUNTY TRANSPORTATION PLAN
QUESTIONNAIRE ON
CONCERNS AND PRIORITIES

Name _____

Phone _____ Fax: _____

E-mail _____

(your name, phone and e-mail information is optional)

A. On a score of 1 (lowest) to 10 (highest) from your perspective please rank the adequacy of the :

1. overall transportation system in the County _____
2. the regional bus system _____
3. the local bus routes _____
4. the NJ Transit passenger rail services _____
5. Amtrak rail services _____
6. Bicycling facilities / accommodations _____
7. Pedestrian facilities / accommodations _____
8. Trucking facilities / accommodations _____
9. Freight rail facilities / accommodations _____
10. Ferry and Heliport facilities / accommodations _____

B. From your perspective what do you view as the most critical five transportation issues that should be addressed over the next five years ?

1. _____
2. _____
3. _____
4. _____
5. _____

C. What do you consider as the three worst traffic congestion areas or hot spots in the County;

1. _____
2. _____
3. _____

D. What do you consider as three worst traffic safety hazards in the County:

- 1 _____
- 2 _____
- 3 _____

E. Please rate the importance of the following actions on a score of 1 (least) to 5 (most important) for enhancing transit use to and from work in Middlesex County:

- 1 Maintaining reliable service _____
- 2 Frequency of service _____
- 3 Security within and around transit facilities _____
- 4 Comfort and cleanliness within and around transit facilities _____
- 5 Having bus shelters at bus stops _____
- 6 Avoiding fare increases _____
- 7 Cost of fare _____
- 8 Cost of parking at park and ride facility _____
- 9 Knowledge of transit services and places that are served _____
- 10 Visibility, clarity and adequacy of information displayed at bus and rail facilities _____
- 11 Ease of utilizing new technology in transit such as "My Bus" real time bus information _____
- 12 Proximity of bus stop or train station to place of residence _____
- 13 Ease of parking at park and ride facilities _____
- 14 Need for two seat ride to get to destination _____
- 15 Ease of transferring and making on time connections _____
- 16 Ability to carry a bicycle on a train or bus _____
- 17 Contributing to improving the environment _____

F. How far would you walk to get to a bus stop or train station from your home and back for a trip to work ?

Up to a quarter of a mile
Up to a half a mile
Up to one mile
More than a mile

G. How far would you walk to get to a bus stop or train station from your home and back for a non work trip ?

- Up to a quarter of a mile
- Up to a half a mile
- Up to one mile
- More than a mile

H. Please rate the following factors on a score of 1 (least) to 5 (highest) affecting one's decision to join a carpool.

- Guaranteed/Emergency ride home whenever necessary _____
- Length of trip should be within 10 miles _____
- Length of trip should be over 10 miles _____
- Knowing people in carpool _____
- Not having to drive _____

I. Please rate the following factors on a score of 1(least) to 5 (highest) affecting one's decision to ride a bike to work

- Safe route from home to work
 - Availability of off road path _____
 - Availability of bike lanes on route _____
 - Availability of share the road signed route _____
 - Availability of well lighted route _____
 - Feeling secure along the route _____
- Distance within 3 miles _____
- Distance within 5 mile _____
- Distance within 10 miles _____
- Riding bike in daylight hours _____
- Riding bike in night time hours _____
- Getting physical exercise while traveling to and from work _____
- Contributing to improving the environment _____
- Flexibility of not being subject to fixed transit schedule _____
- Adequate and secure bicycle parking facilities
 - Availability of bicycle lockers _____
 - Availability of bike racks with canopies _____
 - Availability of standard bike racks _____
 - Availability of nearby bicycle service areas _____
- Bicycle accommodations on buses and trains _____
- Adequate bicycle storage areas in multi family housing complexes _____

J. Please rate the following factors on a score of 1 (least) to 5 (highest) affecting one's decision to walk to work.

- Safe and secure route from home to work _____
 - Availability of sidewalks _____
 - Availability of well lighted route _____
 - Feeling secure along the route _____
 - Availability of adequate, marked and lighted crosswalks _____
 - Availability of adequate facilities for persons w/ disabilities _____
- Distance within 1/2 miles _____
- Distance within 1 mile _____
- Distance within 3 miles _____
- Walking in daylight hours _____
- Walking in night time hours _____
- Getting physical exercise while traveling to and from work _____
- Contributing to improving the environment _____
- Flexibility of not being subject to a fixed transit schedule _____

K. What do you consider as major impediments to bicycling to and from work along most roads in Middlesex County:

L. What do you consider as major impediments to walking along most roads in Middlesex County:

M. Please indicate any other comments or concerns you would like to see added to this questionnaire and to be addressed in the new County Transportation Plan.

Thank you for taking the time to respond to this questionnaire.

Please return the completed questionnaire by November 9, 2011 to:

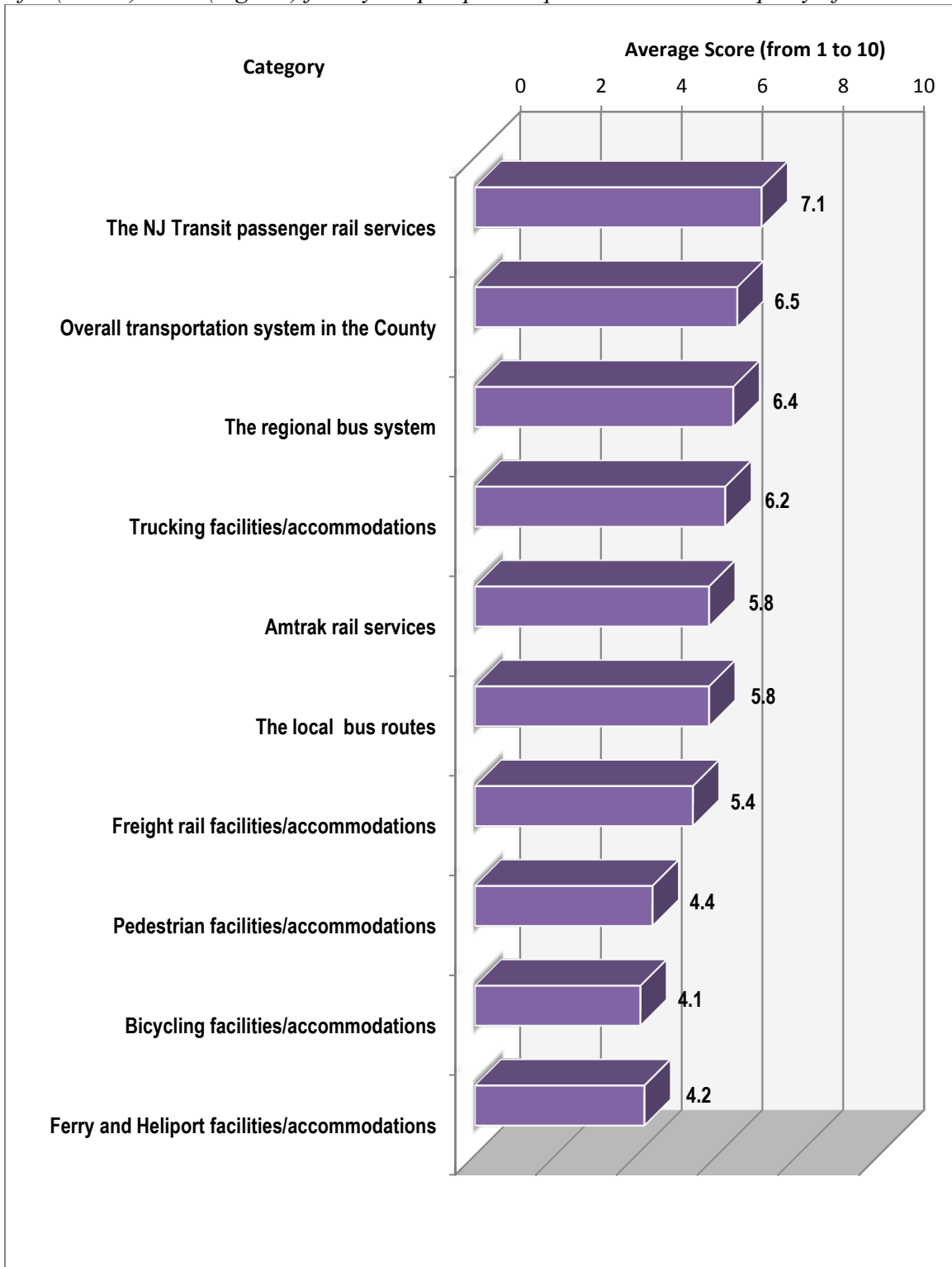
Ryan Rapp, Principal Planner
Middlesex County Office of County Planning
40 Livingston Avenue
New Brunswick, NJ 08901

Ryan.rapp@co.middlesex.nj.us

If you also want this questionnaire e-mailed to you please inform our staff and provide us with your e-mail address.

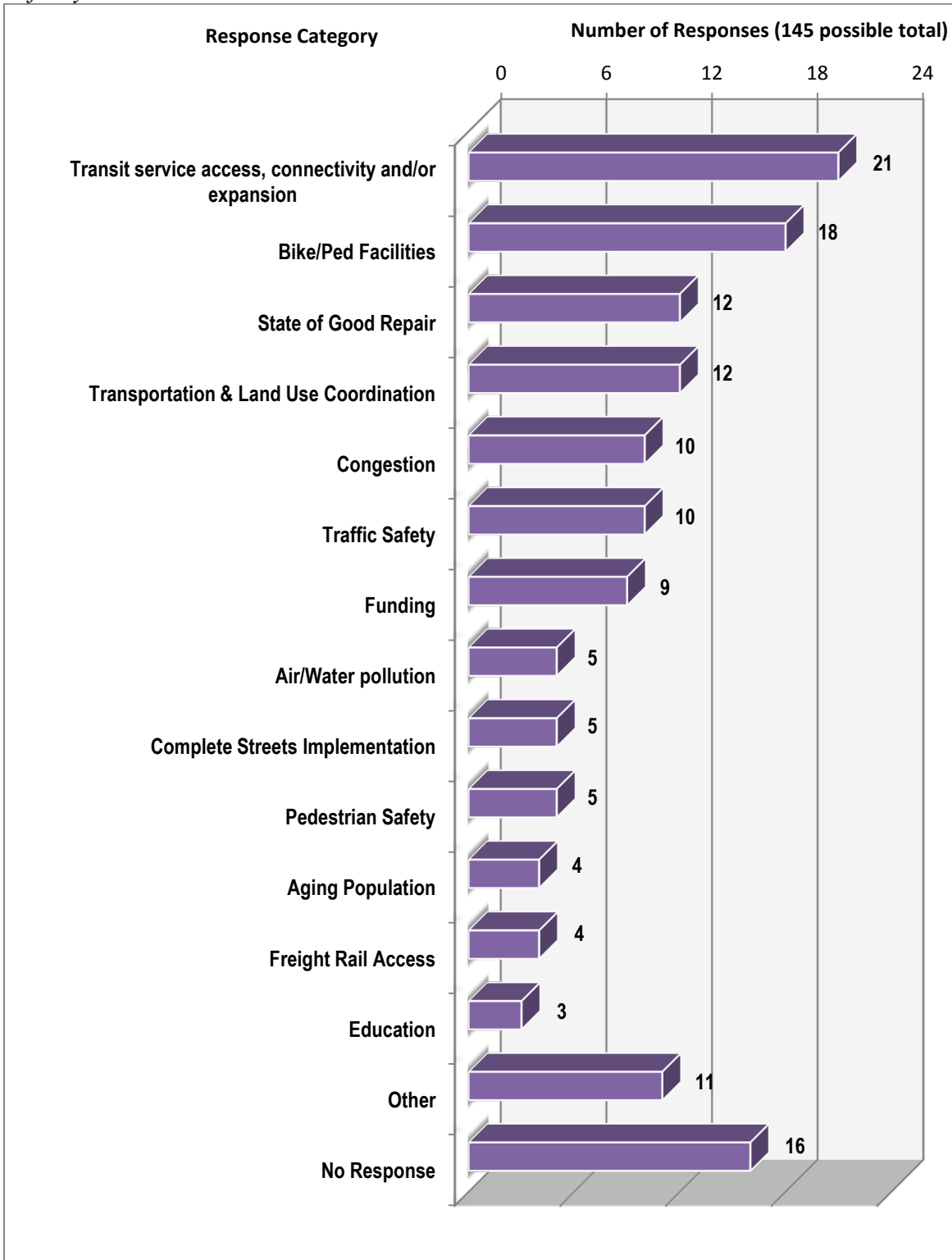
A. Adequacy of County Transportation System Services

On a score of 1 (lowest) to 10 (highest) from your perspective please rank the adequacy of the:



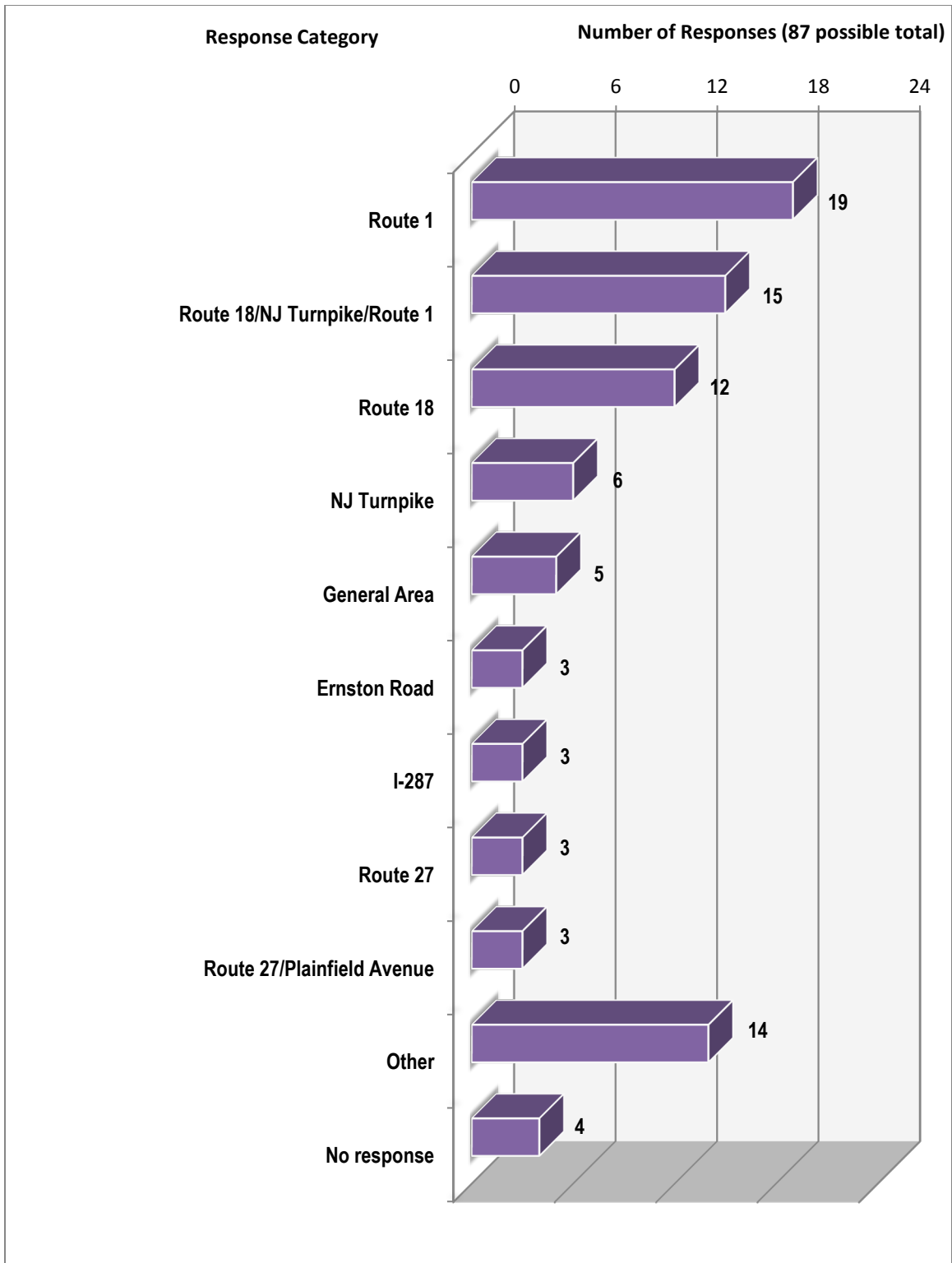
B. Critical Transportation Issues

From your perspective what do you view as the most critical five transportation issues that should be addressed over the next five years?



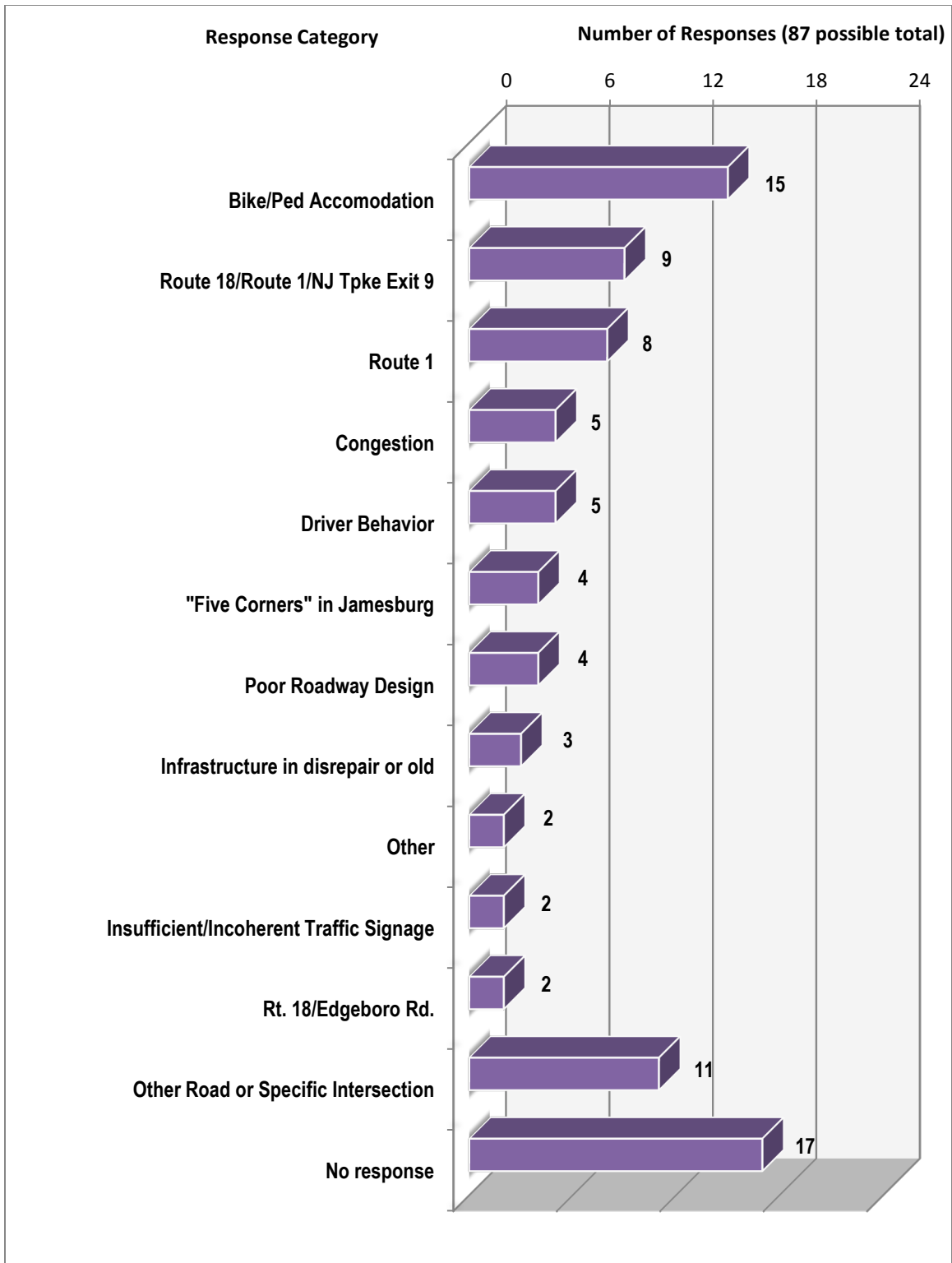
C. Worst Traffic Congestion Areas or Hot Spots

What do you consider as the three worst traffic congestion areas or hot spots in the County?



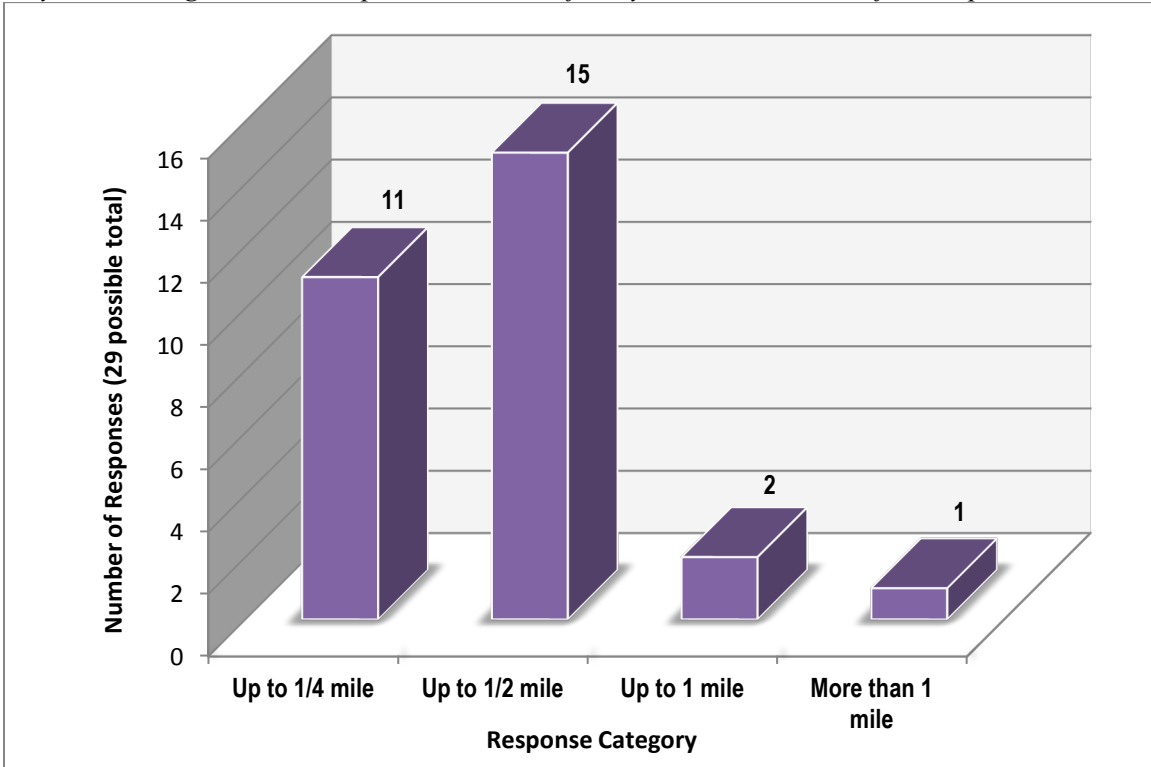
D. Worst Traffic Safety Hazards

What do you consider as three worst traffic safety hazards in the County?



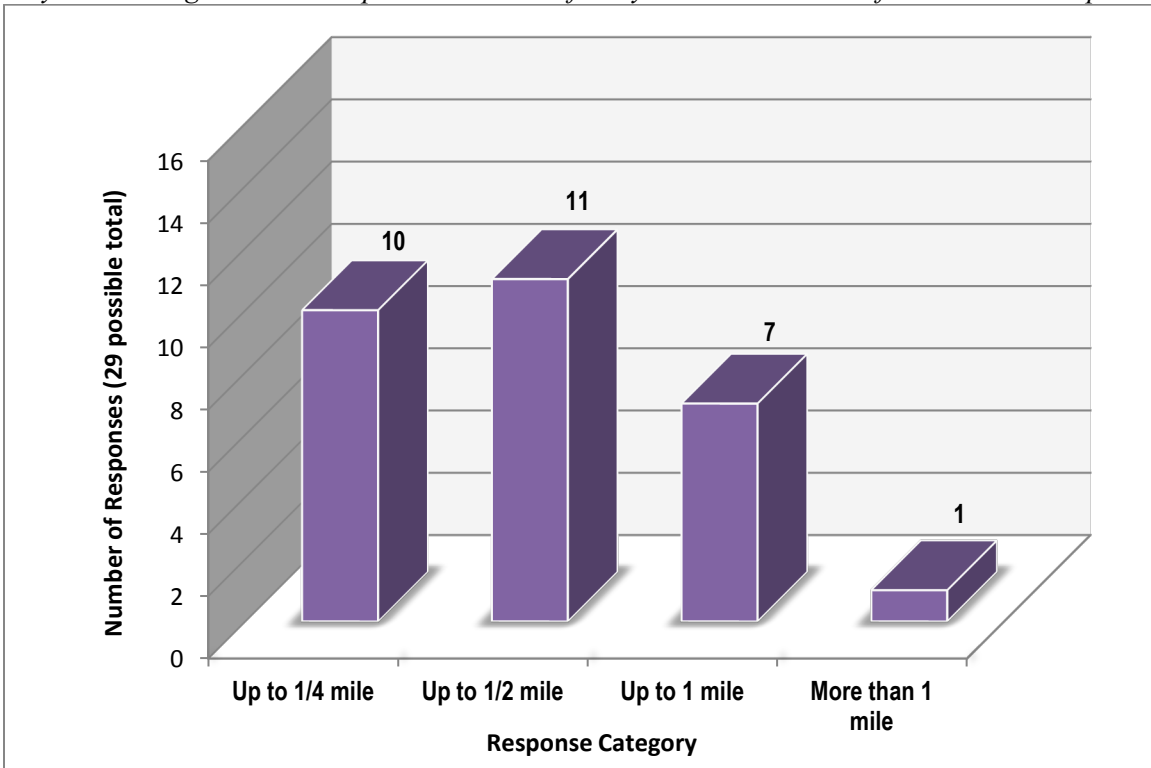
F. Walking Distance to Transit Stop for Work

How far would you walk to get to a bus stop or train station from your home and back for a trip to work?



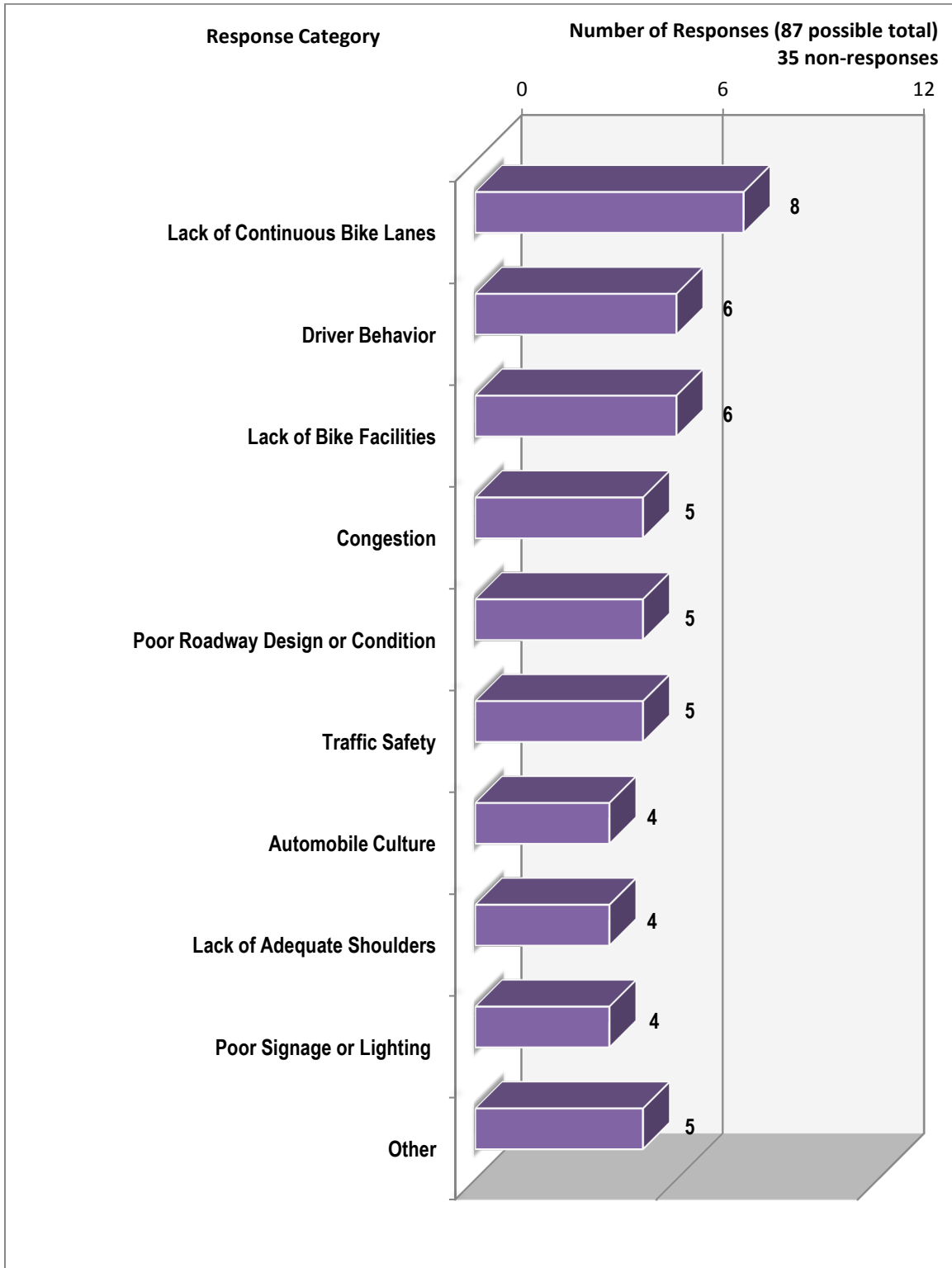
G. Walking Distance to Transit Stop for Non-Work

How far would you walk to get to a bus stop or train station from your home and back for a non work trip?



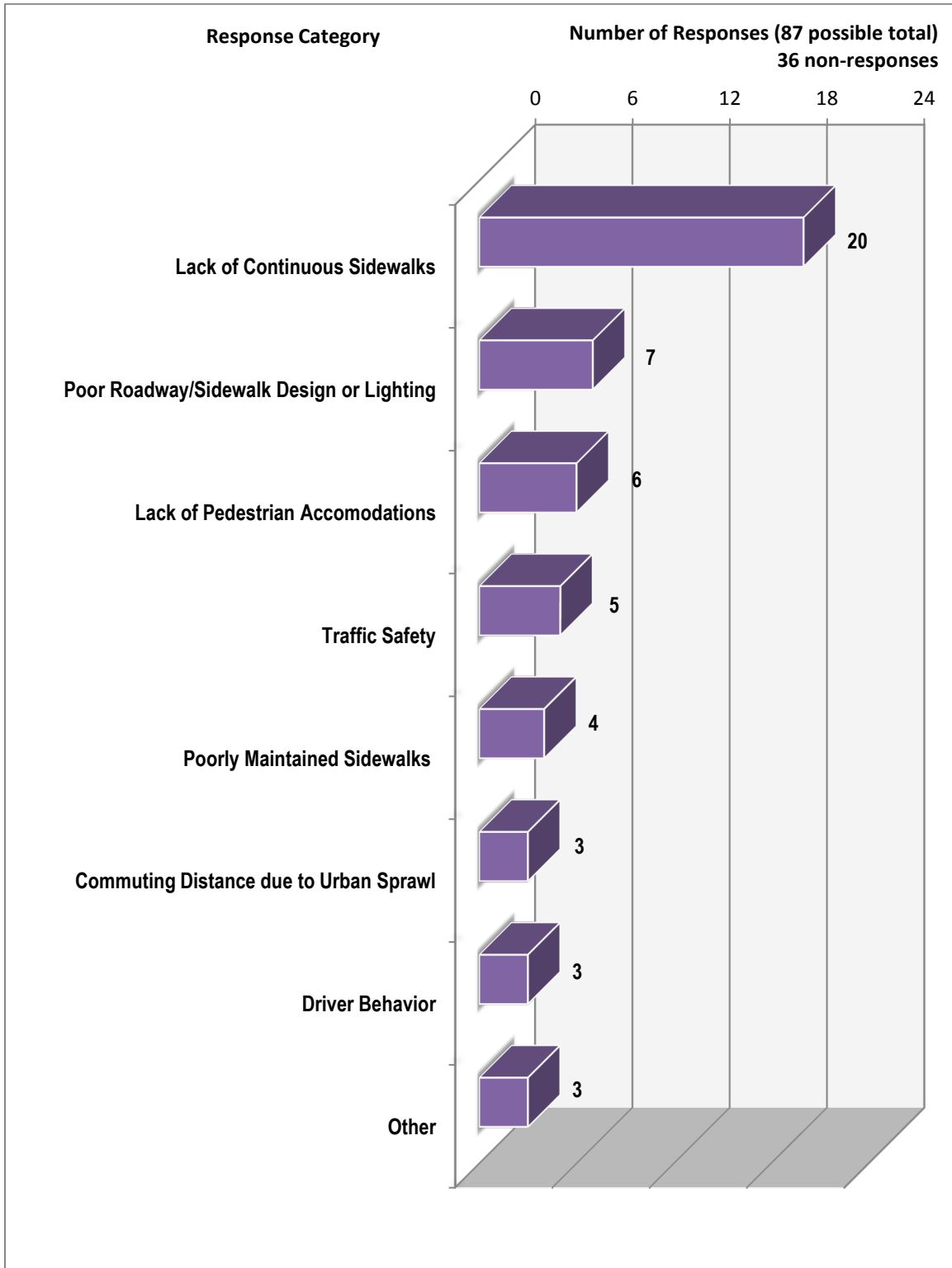
K. Bicycling Impediments

What do you consider as major impediments to bicycling to and from work along most roads in Middlesex County? (Up to 3 responses per respondent)



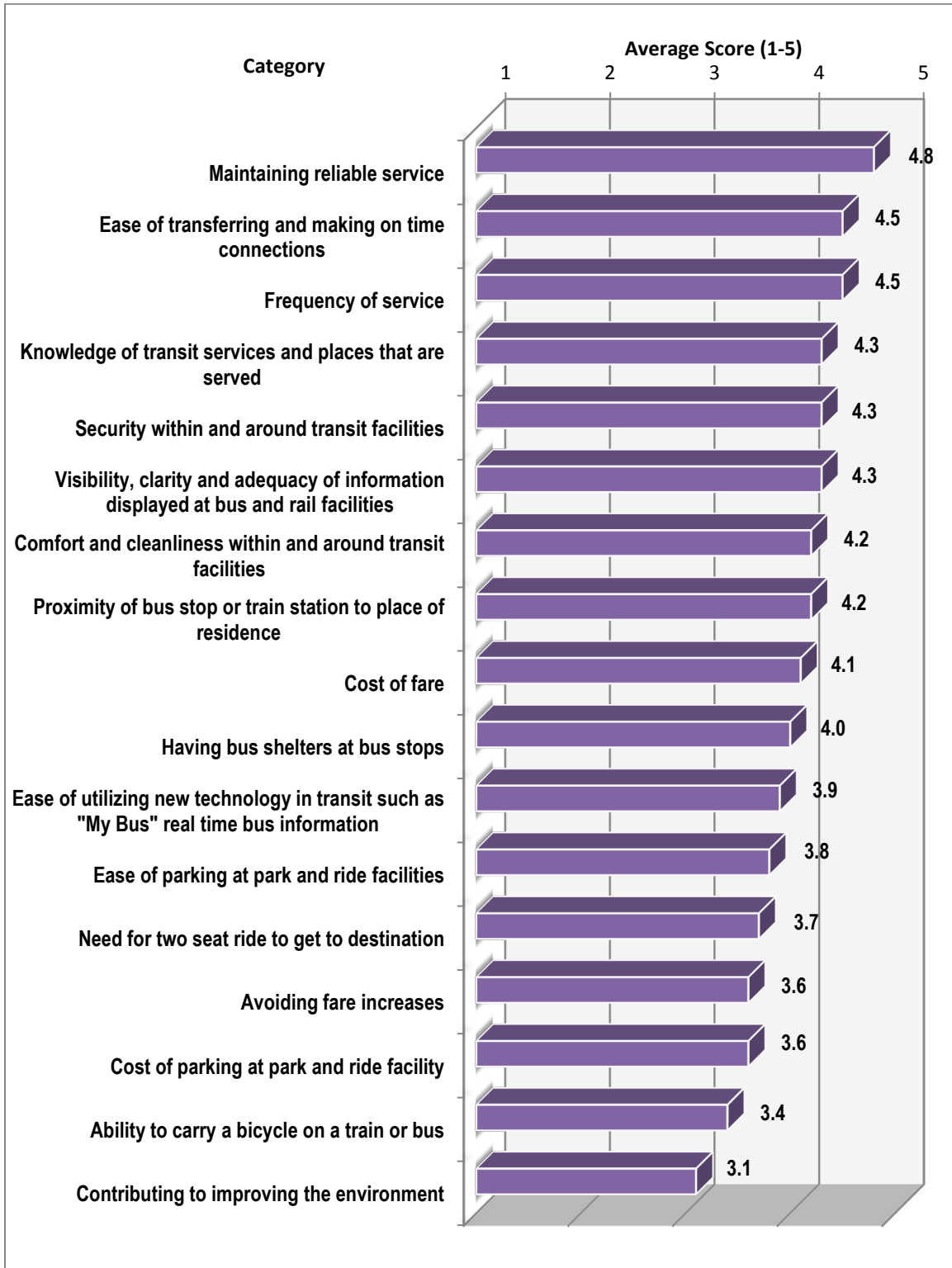
L. Walking Impediments

What do you consider as major impediments to walking along most roads in Middlesex County? (Up to 3 responses per respondent)



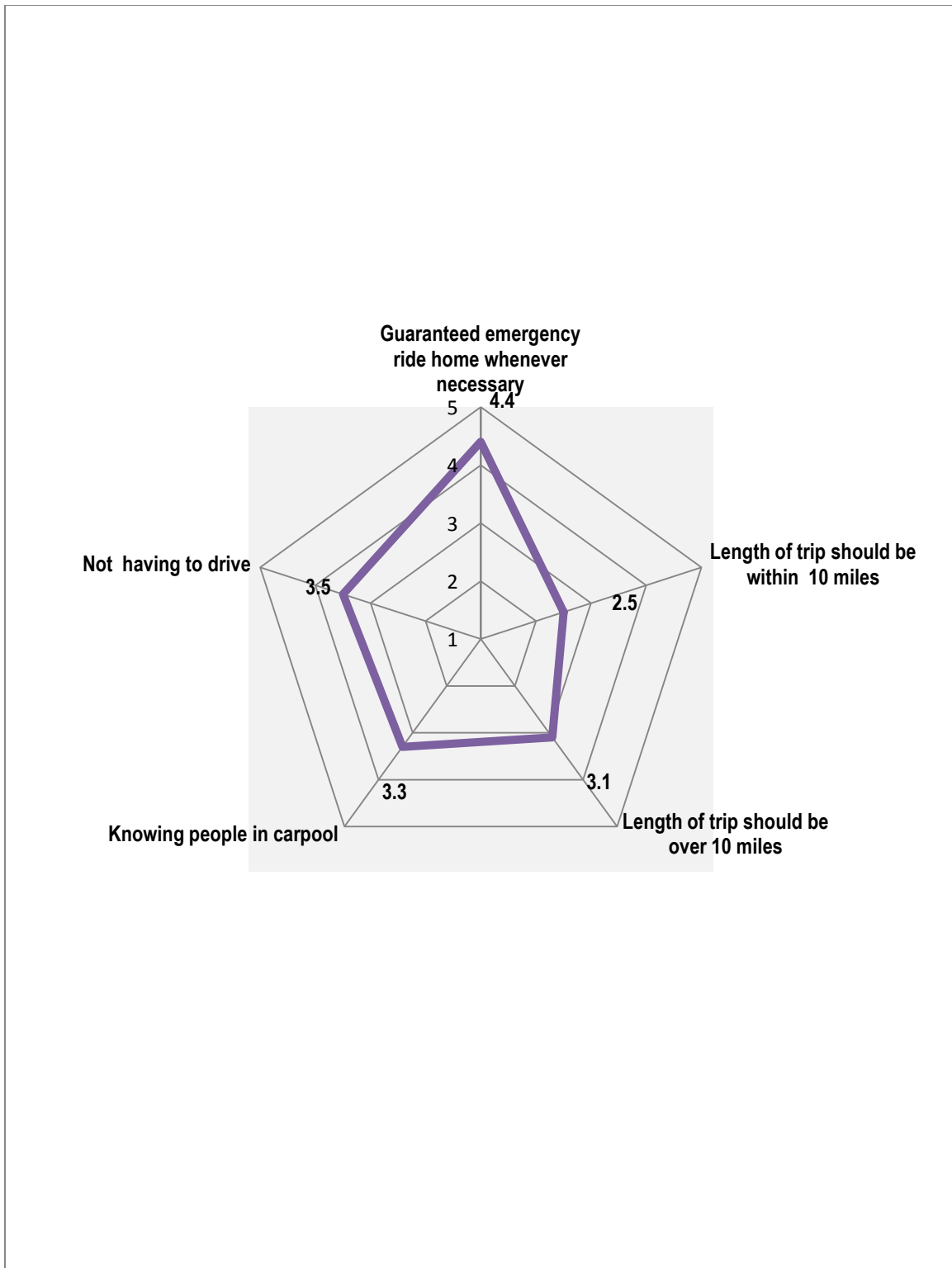
E. Important Actions for Enhancing Transit Use to and from Work

Please rate the importance of the following actions on a score of 1 (least) to 5 (most important) for enhancing transit use to and from work in Middlesex County.



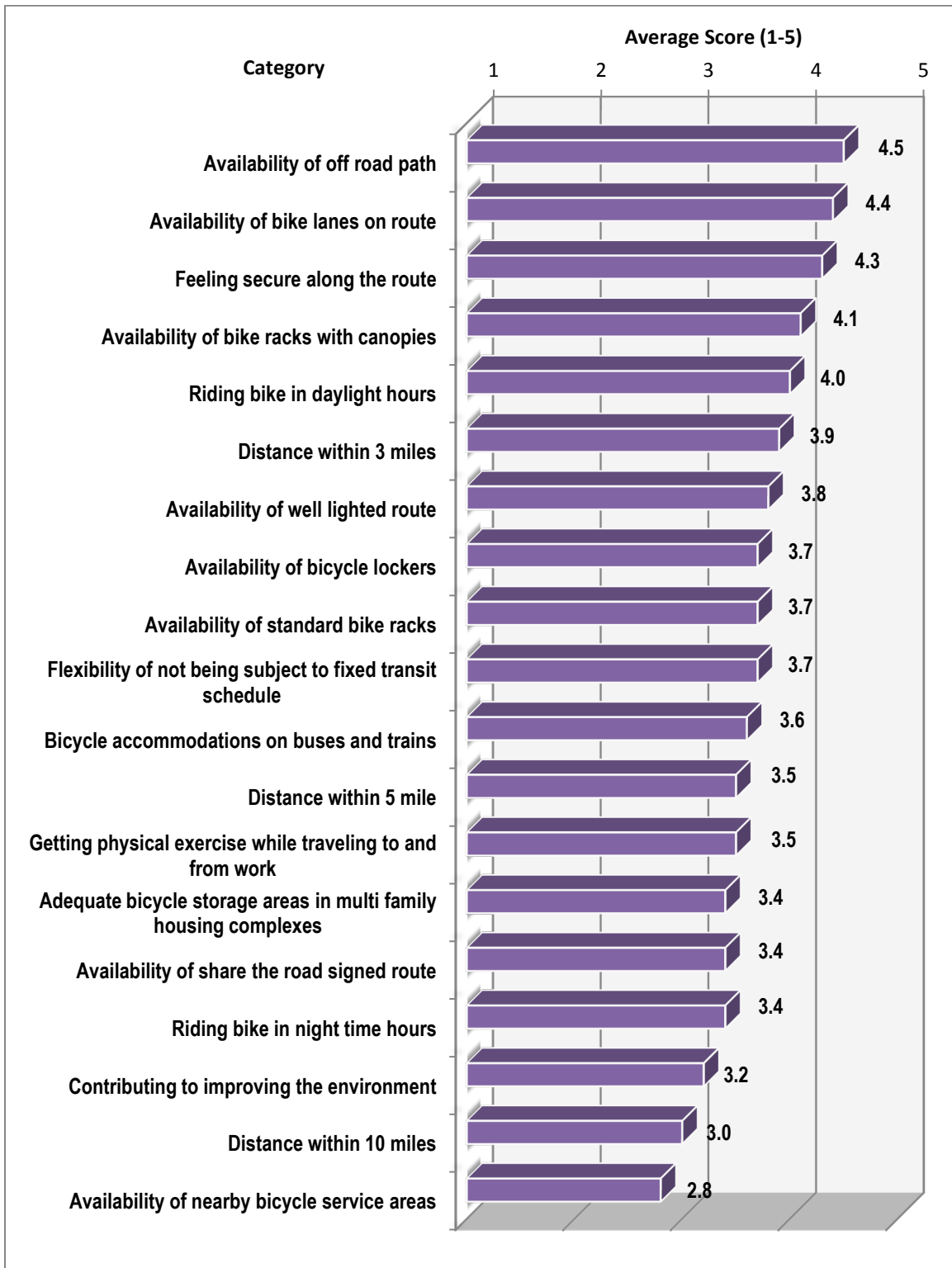
H. Factors Affecting Decision to Carpool

Please rate the following factors on a score of 1 (least) to 5 (highest) affecting one's decision to join a carpool.



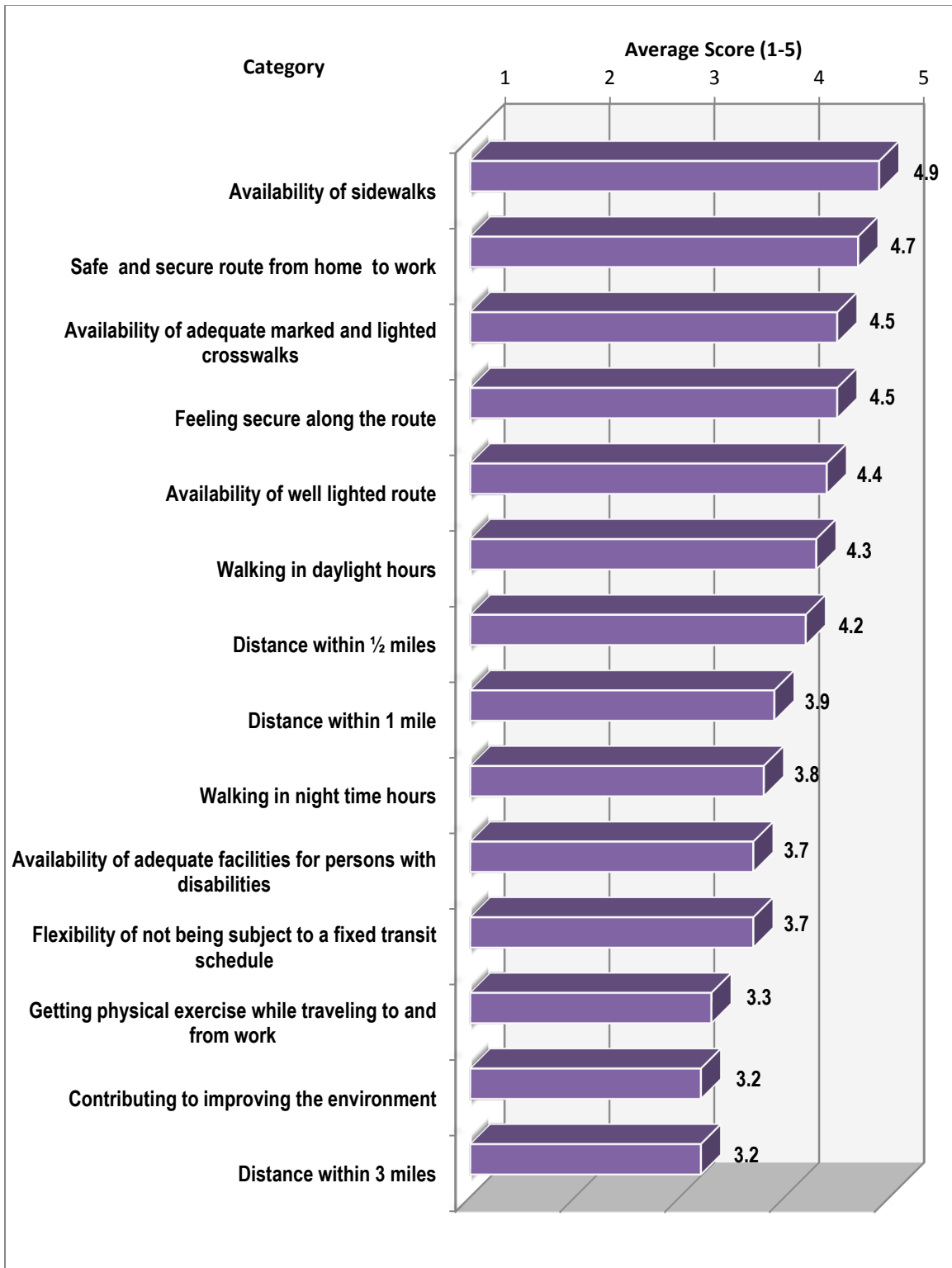
I. Factors Affecting Decision to Bike to Work

Please rate the following factors on a score of 1 (least) to 5 (highest) affecting one's decision to ride a bike to work.



J. Factors Affecting Decision to Walk to Work

Please rate the following factors on a score of 1 (least) to 5 (highest) affecting one's decision to walk to work.



Appendix B

Municipal Summaries

MUNICIPAL SUMMARIES

----- APPENDIX B -----

TRANSPORTATION ELEMENT OF THE MIDDLESEX COUNTY MASTER PLAN

August 2013

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Data Sources

This section documents the sources of data presented in the following municipal fact sheets. It presents information in the same order and format as the datasheets, as well as using the same description for each item. The “Dataset(s)” column lists the product or program which the data is taken from, while the “Table Number(s)” column lists the ID code associated with the individual data table.

Background

Geography Quickfacts	Dataset(s)	Table Number(s)
Land area in square miles, 2010	2010 Census (SF1)	G001
Persons per square mile of land area, 2010	2010 Census (SF1)	P1, G001 (Calculated)
Population density, municipal ranking in Middlesex County, 2010	2010 Census (SF1)	Calculated
Housing units per square mile of land area, 2010	2010 Census (SF1)	P1, G001 (Calculated)
Housing unit density, municipal ranking in Middlesex County, 2010	2010 Census (SF1)	Calculated
Water area in square miles, 2010	2010 Census (SF1)	G001
Total area in square miles, 2010	2010 Census (SF1)	G001

Population, Housing and Households

Population

- Population, 2010

See Table

Population QuickFacts	Dataset(s)	Table Number(s)
Population, 2011 estimate	Population Estimates Program - Population and Housing Unit Estimates 2011	CO-EST2011-1-34
Population, 2010	2010 Census (SF1)	P1
Population change, 2000 to 2010	2010 Census (SF1), 2000 Census (SF1)	Calculated
Population, percent change, 2000 to 2010	2010 Census (SF1), 2000 Census (SF1)	Calculated
Population, 2000	2000 Census (SF1)	P001
Persons under 5 years, percent, 2010	2010 Census (SF1)	QT-P1
Persons under 18 years, percent, 2010	2010 Census (SF1)	QT-P1
Persons 65 years and over, percent, 2010	2010 Census (SF1)	QT-P1
Median age of population, 2010	2010 Census (SF1)	QT-P1
Living in same house 1 year & over, 2006-2010	2006-2010 American Community Survey	B07413
Foreign born persons, percent, 2006-2010	2006-2010 American Community Survey	B05012
Language other than English spoken at home, pct age 5+, 2006-2010	2006-2010 American Community Survey	B16001
High school graduates, percent of persons age 25+, 2006-2010	2006-2010 American Community Survey	S1501
Bachelor's degree or higher, pct of persons age 25+, 2006-2010	2006-2010 American Community Survey	S1501

Housing

- Houses built in 1970 or later 2006-2010 American Community Survey – B25034
- Houses built in 1990 or later 2006-2010 American Community Survey – B25034
- Median value of owner-occupied housing units See Table
- Percent of housing units with a mortgage 2006-2010 American Community Survey – B25081

Housing QuickFacts	Dataset(s)	Table Number(s)
Housing units, 2010	2010 Census (SF1)	H1
Housing units change, 2000 to 2010	2010 Census (SF1), 2000 Census (SF1)	Calculated
Housing units, percent change, 2000 to 2010	2010 Census (SF1), 2000 Census (SF1)	Calculated
Housing units, 2000	2000 Census (SF1)	H001
Homeownership rate, 2006-2010	2006-2010 American Community Survey	B25003
Housing units in multi-unit structures, percent, 2006-2010	2006-2010 American Community Survey	B25024 (Calculated)
Median value of owner-occupied housing units, 2006-2010	2006-2010 American Community Survey	B25077
Occupied housing units with no vehicle available, percent, 2006-2010	2006-2010 American Community Survey	B08203
Average number of vehicles per occupied housing unit, 2006-2010	2006-2010 American Community Survey	B25046, B25002 (Calculated)

Households

Household QuickFacts	Dataset(s)	Table Number(s)
Households, 2006-2010	2006-2010 American Community Survey	S1101
Persons per household, 2006-2010	2006-2010 American Community Survey	S1101

Economic Characteristics

Occupations and Industries of Residents (Labor Force)

- Percent age 16 and over 2006-2010 American Community Survey – S2301
- Percent of persons 16 and over in labor force 2006-2010 American Community Survey – S2301
- Occupation 2006-2010 American Community Survey – C24060
- Industry 2006-2010 American Community Survey – C24070

Income

- Median household income See Table
- Mean household income (2010 dollars) 2006-2010 American Community Survey – S1902
- Per capita money income in past 12 months See Table
- Persons below poverty level, percent See Table

Income QuickFacts	Dataset(s)	Table Number(s)
Per capita money income in past 12 months (2010 dollars) 2006-2010	2006-2010 American Community Survey	B19301
Median household income, (2010 dollars) 2006-2010	2006-2010 American Community Survey	S1903
Persons below poverty level, percent, 2006-2010	2006-2010 American Community Survey	S1701

Businesses

Business QuickFacts	Dataset(s)	Table Number(s)
Total number of firms, 2007	2007 Survey of Business Owners	SB0700CSA01
Total number of employees, 2007	2007 Survey of Business Owners	SB0700CSA01
Manufacturers' shipments, 2007 (\$1000)	2007 Economic Census	EC0731A1
Merchant wholesaler sales, 2007 (\$1000)	2007 Economic Census	EC0742A1
Retail sales, 2007 (\$1000)	2007 Economic Census	EC0744A1
Retail sales per capita, 2007	2007 Economic Census, 2009 Population Estimates	EC0744A1, T1 (Calculated)
Accommodation and food services sales, 2007 (\$1000)	2007 Economic Census	EC0772A1
Accommodation and food services sales per capita, 2007	2007 Economic Census, 2009 Population Estimates	EC0772A1, T1 (Calculated)

Construction

Construction QuickFacts	Dataset(s)	Table Number(s)
Residential COs for housing units, 2001-2010	NJ Dept. of Community Affairs - Construction Reporter - CO Yearly Summary Data	Housing Units Certified
Residential COs, Units, Municipal Ranking in Middlesex County, 2001-2010	NJ Dept. of Community Affairs - Construction Reporter - CO Yearly Summary Data	Calculated
Nonresidential COs, total square feet of floor area, 2001-2010	NJ Dept. of Community Affairs - Construction Reporter - CO Yearly Summary Data	Sq.Ft. of Nonresidential Space Reported on COs
Nonresidential COs, Sq.Ft., Municipal Ranking in Middlesex County, 2001-2010	NJ Dept. of Community Affairs - Construction Reporter - CO Yearly Summary Data	Calculated

Work Travel Behavior and Employment Characteristics

Commute Shed

<u>Labor Force: Where Residents are Employed</u>	<u>Dataset(s)</u>	<u>Table Number(s)</u>
Top-5 Destinations by Municipality	Longitudinal Employer-Household Dynamics (LEHD)	2006-2010 Data (calculated annual average)
Top-5 Destinations by County	Longitudinal Employer-Household Dynamics (LEHD)	2006-2010 Data (calculated annual average)

Labor Shed

<u>Workforce: Where Employees Reside</u>	<u>Dataset(s)</u>	<u>Table Number(s)</u>
Top-5 Destinations by Municipality	Longitudinal Employer-Household Dynamics (LEHD)	2006-2010 Data (calculated annual average)
Top-5 Destinations by County	Longitudinal Employer-Household Dynamics (LEHD)	2006-2010 Data (calculated annual average)

Journey-to-Work

<u>Commuting QuickFacts</u>	<u>Dataset(s)</u>	<u>Table Number(s)</u>
Mean travel time to work (minutes), workers age 16+, 2006-2010	2006-2010 American Community Survey	S0801
Drove alone to work, percent of workers, 2006-2010	2006-2010 American Community Survey	B08130
Public transportation to work, percent of workers, 2006-2010	2006-2010 American Community Survey	B08130

<u>Means of Commuting</u>	<u>Dataset(s)</u>	<u>Table Number(s)</u>
Drove Alone	2006-2010 American Community Survey	B08130
Carpooled	2006-2010 American Community Survey	B08130
Public Transit	2006-2010 American Community Survey	B08130
Taxi, Motorcycle, Bicycle, or Other	2006-2010 American Community Survey	B08130
Walked	2006-2010 American Community Survey	B08130
Worked from Home	2006-2010 American Community Survey	B08130
Total	2006-2010 American Community Survey	B08130

1. Carteret Borough

Background

Carteret Borough is a municipality located in northern Middlesex County. It was formed from portions of Woodbridge Township in 1906, based on the results of a public referendum. Originally named Roosevelt Borough, the name was changed in 1922 to honor Sir George Carteret, one of New Jersey's colonial proprietors, as well as his son, the first Royal Governor of New Jersey. The borough has a total land area of 4.4 square miles, and shares borders with Woodbridge Township in Middlesex County, Linden in Union County, and Richmond County, NY (Borough of Staten Island) across the Arthur Kill.

Geography QuickFacts	Carteret	Middlesex County	New Jersey
Land area in square miles, 2010	4.4	308.9	7,354.2
Persons per square mile of land area, 2010	5,171.1	2,621.6	1,195.5
Population density, municipal ranking in Middlesex County, 2010	8	N/A	N/A
Housing units per square mile of land area, 2010	1,844.4	954.3	483.2
Housing unit density, municipal ranking in Middlesex County, 2010	9	N/A	N/A
Water area in square miles, 2010	0.6	13.9	1,368.4
Total area in square miles, 2010	5.0	322.8	8,722.6

Source: 2010 Decennial Census

Population, Housing and Households

Population

During the 2010 Census, Carteret Borough had a population of 22,844. Average data for the 2006-2010 period comes from the American Community Survey 5-year estimates.

Population QuickFacts	Carteret	Middlesex County	New Jersey
Population, 2011 estimate	22,970	814,217	8,821,155
Population, 2010	22,844	809,858	8,791,894
Population change, 2000 to 2010	+ 2,135	+ 59,696	+ 377,544
Population, percent change, 2000 to 2010	+ 10.3%	+ 8.0%	+ 4.5%
Population, 2000	20,709	750,162	8,414,350
Persons under 5 years, percent, 2010	6.7%	6.2%	6.2%
Persons under 18 years, percent, 2010	25.4%	22.9%	23.5%
Persons 65 years and over, percent, 2010	10.8%	12.3%	13.5%
Median age of population, 2010	35.1	37.2	39.0
Living in same house 1 year & over, 2006-2010	91.3%	88.3%	89.4%
Foreign born persons, percent, 2006-2010	31.0%	29.4%	20.3%
Language other than English spoken at home, pct age 5+, 2006-2010	49.3%	39.5%	28.7%
High school graduates, percent of persons age 25+, 2006-2010	80.6%	88.0%	87.3%
Bachelor's degree or higher, pct of persons age 25+, 2006-2010	20.3%	38.4%	34.6%

Source(s): 2010 Decennial Census, 2006-2010 American Community Survey

Housing

The same census indicated that there were 8,148 housing units in Carteret Borough. Of these houses, 28.1% were built in 1970 or later, and 16.7% were built in 1990 or later. The median home value was \$322,800, and 66.4% of housing units had a mortgage.

Housing QuickFacts	Carteret	Middlesex County	New Jersey
Housing units, 2010	8,148	294,800	3,553,562
Housing units change, 2000 to 2010	+ 828	+ 21,163	+ 243,287
Housing units, percent change, 2000 to 2010	+ 11.3%	+ 7.7%	+ 7.3%
Housing units, 2000	7,320	273,637	3,310,275
Homeownership rate, 2006-2010	67.4%	67.0%	66.9%
Housing units in multi-unit structures, percent, 2006-2010	36.7%	34.4%	35.9%
Median value of owner-occupied housing units, 2006-2010	\$322,800	\$356,000	\$357,000
Occupied housing units with no vehicle available, percent, 2006-2010	11.1%	8.3%	11.7%
Average number of vehicles per occupied housing unit, 2006-2010	1.6	1.8	1.7

Source(s): 2010 Decennial Census, 2006-2010 American Community Survey

Households

Census defines a household as the group of people occupying distinct living quarters. This group lives and eats separately from other persons, and must have direct access to their housing unit from outside or a common hall.

Household QuickFacts	Carteret	Middlesex County	New Jersey
Households, 2006-2010	7,601	277,398	3,176,069
Persons per household, 2006-2010	2.91	2.78	2.69

Source: 2006-2010 American Community Survey

Economic Characteristics

Occupations and Industries of Residents (Labor Force)

During 2006-2010, of the 17,277 individuals age 16 and over, 65.1% were in the labor force. Based on data from the American Community Survey, the three largest professions were:

- Sales and office occupations, 28.2%
- Management, business, science and arts occupations, 27.7%
- Production, transportation and material moving occupations, 11.3%

When grouped by industry, the three largest shares of the municipal labor force worked in:

- Educational services, health care and social assistance, 17.7%
- Transportation and warehousing, and utilities, 17.0%
- **(Tied)** Arts, entertainment, and recreation, and accommodation and food services, 10.2%
- **(Tied)** Manufacturing, 10.2%

Income

During 2006-2010, the median household income in Carteret Borough was \$58,614, while the average household income was \$72,013. On a per capita basis, individual income was \$25,346, while 13.0% of the population was living below the poverty level.

Income QuickFacts	Carteret	Middlesex County	New Jersey
Per capita money income in past 12 months (2010 dollars) 2006-2010	\$25,346	\$33,289	\$34,858
Median household income, (2010 dollars) 2006-2010	\$58,614	\$77,615	\$69,811
Persons below poverty level, percent, 2006-2010	13.0%	7.4%	9.1%

Source: 2006-2010 American Community Survey

Businesses

Business data is drawn from two datasets produced by the US Census Bureau. The Economic Census, published every 5 years and last released in 2007, is based on a pure population count, similar to the decennial census. It provides information about the size and number of firms, broken out by industry sector. The Survey of Business Owners, published every 5 years and last released in 2007, is based on statistical methodologies and random sampling. It provides information about the number, size and payroll of firms, broken out by sector, gender, ethnicity, race and veteran status.

Business QuickFacts	Carteret	Middlesex County	New Jersey
Total number of firms, 2007	369	19,056	199,359
Total number of employees, 2007	9,052	404,252	3,631,658
Manufacturers' shipments, 2007 (\$1000)	306,974	12,207,299	116,608,094
Merchant wholesaler sales, 2007 (\$1000)	\$1,974,243	\$32,631,795	\$233,413,004
Retail sales, 2007 (\$1000)	\$118,859	\$11,131,032	\$124,813,580
Retail sales per capita, 2007	\$5,289	\$14,274	\$14,453
Accommodation and food services sales, 2007 (\$1000)	\$15,512	\$1,275,068	\$19,993,613
Accommodation and food services sales per capita, 2007	\$690	\$1,635	\$2,315

Source(s): 2007 Economic Census, 2007 Survey of Business Owners

Construction

The New Jersey Department of Community Affairs publishes construction statistics based on certificates of occupancy, issued by local construction officials and reported to the state. During 2001-2010, Carteret accounted for 5.9% of residential COs in Middlesex County, and 4.7% of nonresidential square footage.

Construction QuickFacts	Carteret	Middlesex County	New Jersey
Residential COs for housing units, 2001-2010	1,157	19,637	241,645
Residential COs, Units, Municipal Ranking in Middlesex County, 2001-2010	6	N/A	N/A
Nonresidential COs, total square feet of floor area, 2001-2010	3,276,350	69,483,581	452,960,897
Nonresidential COs, Sq. Ft., Municipal Ranking in Middlesex County, 2001-2010	7	N/A	N/A

Source(s): 2001-2010 NJ Department of Community Affairs Construction Reporter

Work Travel Behavior and Employment Characteristics

Commute Shed

From 2006-2010, an average of 8,621 covered jobs were held by Carteret residents, while a total of 1,076 residents held covered jobs located in Carteret. The majority of residents were employed outside Middlesex County, with the largest share of those commuters travelling to adjacent Union County. At the municipality level, the largest share of resident commuters stay within Carteret, with the second largest share travelling to Woodbridge.

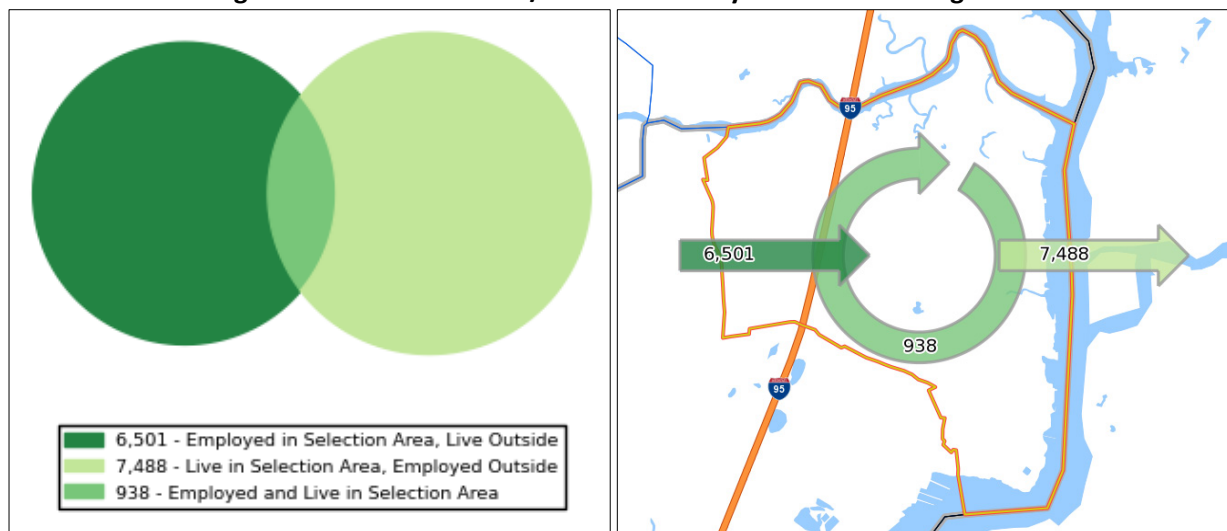
<i>Labor Force: Where Residents are Employed</i>	Number	Percent
Total Primary Jobs, 2006-2010 average	8,621	--
Top-5 Destinations by Municipality		
Carteret Borough, NJ	1,076	12.5%
Woodbridge Twp., NJ	816	9.5%
Edison Township, NJ	601	7.0%
Manhattan Borough, NY	435	5.0%
Newark City, NJ	336	3.9%
Top-5 Destinations by County		
Middlesex County, NJ	3,729	43.3%
Union County, NJ	1,197	13.9%
Essex County, NJ	609	7.1%
New York County, NY	435	5.0%
Hudson County, NJ	359	4.2%

Labor Shed

An average of 7,449 people had primary covered employment in Carteret Borough during the 2006-2010 period. More than one-third of these people lived in Middlesex County, with the next largest share coming from Union County. The largest municipal share outside of Carteret itself came from Woodbridge Township, followed by the City of Elizabeth in neighboring Union County.

<i>Workforce: Where Employees Reside</i>	Number	Percent
Total Primary Jobs, 2006-2010 average	7,449	--
Top-5 Origins by Municipality		
Carteret Borough, NJ	1,076	14.4%
Woodbridge Twp., NJ	529	7.1%
Elizabeth City, NJ	430	5.8%
Newark City, NJ	305	4.1%
Staten Island Borough, NY	178	2.4%
Top-5 Origins by County		
Middlesex County, NJ	2,743	36.8%
Union County, NJ	1,115	15.0%
Essex County, NJ	597	8.0%
Monmouth County, NJ	506	6.8%
Hudson County, NJ	422	5.7%

Figure 1-1: Carteret Inflow/Outflow Primary Job Counts during 2010



Source: US Census Bureau, Longitudinal Employer-Household Dynamics (LEHD)

Journey-to-Work

During the 2006-2010 period, the overwhelming majority of people commuting from Carteret (72.9%) drove to work in cars occupied solely by the driver. This was true for both commuters within Middlesex County, as well as commuters that left the county, but remained in-state.

Commuting QuickFacts	Carteret	Middlesex County	New Jersey
Mean travel time to work (minutes), workers age 16+, 2006-2010	30.6	31.7	29.8
Drove alone to work, percent of workers, 2006-2010	72.9%	73.1%	71.6%
Public transportation to work, percent of workers, 2006-2010	11.2%	9.8%	10.6%

Source: 2006-2010 American Community Survey

A plurality of people commuting out-of-state used public transit to reach their destination, while 3.1% of all commuters walked to work. An additional 0.5% worked from home, and therefore did not have a significant impact on the morning or evening rush hours.

Means of Commuting	All Places of Work		In-state, In-county		In-state, Out-of-county		Out-of-State	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Drove Alone	7,072	72.9%	3,904	78.4%	2,537	76.8%	631	44.6%
Carpooled	1,044	10.8%	448	9.0%	548	16.6%	48	3.4%
Public Transit	1,090	11.2%	203	4.1%	188	5.7%	699	49.4%
Taxi, Motorcycle, Bicycle, or Other	134	1.4%	66	1.3%	30	0.9%	38	2.7%
Walked	303	3.1%	303	6.1%	0	0.0%	0	0.0%
Worked from Home	53	0.5%	53	1.1%	--	--	--	--
Total	9,696	100.0%	4,977	100.0%	3,303	100.0%	1,416	100.0%

Source: 2006-2010 American Community Survey

Transportation Planning Documents

Carteret most recently updated their Master Plan in May of 1973, at which time the circulation element was also updated. The most recent reexamination report is from June of 1998. The following potential improvements were included in the Carteret Borough Master Plan:

Table 1-1 Carteret Roadway Recommendations

Jurisdiction	Type	Location	Description	Status
	Realignment	Roosevelt Avenue at NJ Turnpike Interchange	Straighten westbound lanes of Roosevelt Avenue	
	New Construction	Central Railroad of New Jersey ROW (Southeastern portion of Borough)	Create industrial highway to bypass Roosevelt Avenue	
	Realignment	Roosevelt Avenue between Pershing Avenue and Arthur Avenue	Reroute traffic onto Larch Street and Essex Street, turn Roosevelt into pedestrian mall	
	New Construction	Blair Road north of Randolph Avenue	Extend Blair Road across Rahway River into Linden	
	New Construction	Carteret Avenue west of Varga Drive	Extend across NJ Turnpike to Minue Street	

Table 1-2 Carteret Intersection Recommendations

Jurisdiction	Type	Location	Description	Status
State	Traffic Control	NJ Turnpike On-Off Ramp/Roosevelt Avenue	Signalization	
State	New Construction	NJ Turnpike/Port Reading Avenue	New Interchange	
	Traffic Control	Roosevelt Avenue/Minue Street	Signalization	

Table 1-3 Carteret Bicycle/Pedestrian Recommendations

Jurisdiction	Type	Location	Description	Status
	New Construction	Rahway River and Arthur Kill Waterfronts	Construct Greenway/Bike paths in place of current industrial waterfront	

2. Cranbury Township

Background

Cranbury Township is a municipality located in southern Middlesex County. Incorporated by the state legislature in 1872, Cranbury has colonial era roots, with the earliest records of European settlement dating to 1698. The township has a total area of 13.4 square miles, and shares borders with Plainsboro Township, South Brunswick Township, Monroe Township in Middlesex County, and East Windsor Township in Mercer County.

Geography QuickFacts	Cranbury	Middlesex County	New Jersey
Land area in square miles, 2010	13.2	308.9	7,354.2
Persons per square mile of land area, 2010	291.2	2,621.6	1,195.5
Population density, municipal ranking in Middlesex County, 2010	25	N/A	N/A
Housing units per square mile of land area, 2010	103.5	954.3	483.2
Housing unit density, municipal ranking in Middlesex County, 2010	25	N/A	N/A
Water area in square miles, 2010	0.2	13.9	1,368.4
Total area in square miles, 2010	13.4	322.8	8,722.6

Source: 2010 Decennial Census

Population, Housing and Households

Population

During the 2010 Census, Cranbury Township had a population of 3,857. Average data for the 2006-2010 period comes from the American Community Survey 5-year estimates.

Population QuickFacts	Cranbury	Middlesex County	New Jersey
Population, 2011 estimate	3,878	814,217	8,821,155
Population, 2010	3,857	809,858	8,791,894
Population change, 2000 to 2010	+ 630	+ 59,696	+ 377,544
Population, percent change, 2000 to 2010	+ 19.5%	+ 8.0%	+ 4.5%
Population, 2000	3,227	750,162	8,414,350
Persons under 5 years, percent, 2010	3.5%	6.2%	6.2%
Persons under 18 years, percent, 2010	27.2%	22.9%	23.5%
Persons 65 years and over, percent, 2010	16.6%	12.3%	13.5%
Median age of population, 2010	46.2	37.2	39.0
Living in same house 1 year & over, 2006-2010	95.2%	88.3%	89.4%
Foreign born persons, percent, 2006-2010	13.3%	29.4%	20.3%
Language other than English spoken at home, pct age 5+, 2006-2010	16.7%	39.5%	28.7%
High school graduates, percent of persons age 25+, 2006-2010	95.3%	88.0%	87.3%
Bachelor's degree or higher, pct of persons age 25+, 2006-2010	62.7%	38.4%	34.6%

Source(s): 2010 Decennial Census, 2006-2010 American Community Survey

Housing

The same census indicated that there were 1,371 housing units in Cranbury Township. Of these houses, 56.1% were built in 1970 or later, and 37.4% were built in 1990 or later. The median home value was \$591,400, and 70.6% of housing units had a mortgage.

Housing QuickFacts	Cranbury	Middlesex County	New Jersey
Housing units, 2010	1,371	294,800	3,553,562
Housing units change, 2000 to 2010	+ 250	+ 21,163	+ 243,287
Housing units, percent change, 2000 to 2010	+ 22.3%	+ 7.7%	+ 7.3%
Housing units, 2000	1,121	273,637	3,310,275
Homeownership rate, 2006-2010	88.0%	67.0%	66.9%
Housing units in multi-unit structures, percent, 2006-2010	10.0%	34.4%	35.9%
Median value of owner-occupied housing units, 2006-2010	\$591,400	\$356,000	\$357,000
Occupied housing units with no vehicle available, percent, 2006-2010	1.6%	8.3%	11.7%
Average number of vehicles per occupied housing unit, 2006-2010	2.0	1.8	1.7

Source(s): 2010 Decennial Census, 2006-2010 American Community Survey

Households

Census defines a household as the group of people occupying distinct living quarters. This group lives and eats separately from other persons, and must have direct access to their housing unit from outside or a common hall.

Household QuickFacts	Cranbury	Middlesex County	New Jersey
Households, 2006-2010	1,214	277,398	3,176,069
Persons per household, 2006-2010	2.89	2.78	2.69

Source: 2006-2010 American Community Survey

Economic Characteristics

Occupations and Industries of Residents (Labor Force)

During 2006-2010, of the 2,862 individuals age 16 and over, 56.2% were in the labor force. Based on data from the American Community Survey, the three largest professions in that population were:

- Management, business, science and arts occupations, 61.3%
- Sales and office occupations, 20.0%
- Service occupations, 11.3%

When grouped by industry, the three largest shares of the municipal labor force worked in:

- Educational services, health care and social assistance, 25.3%
- Professional, scientific, management, administrative and waste management services, 13.7%
- Manufacturing, 10%

Income

During 2006-2010, the median household income in Cranbury Township was \$131,667, while the average household income was \$166,873. On a per capita basis, individual income was \$55,236, while 4.1% of the population was living below the poverty level.

Income QuickFacts	Cranbury	Middlesex County	New Jersey
Per capita money income in past 12 months (2010 dollars) 2006-2010	\$55,236	\$33,289	\$34,858
Median household income, (2010 dollars) 2006-2010	\$131,667	\$77,615	\$69,811
Persons below poverty level, percent, 2006-2010	4.1%	7.4%	9.1%

Source: 2006-2010 American Community Survey

Businesses

Business data is drawn from two datasets produced by the US Census Bureau. The Economic Census, published every 5 years and last released in 2007, is based on a pure population count, similar to the decennial census. It provides information about the size and number of firms, broken out by industry sector. The Survey of Business Owners, published every 5 years and last released in 2007, is based on statistical methodologies and random sampling. It provides information about the number, size and payroll of firms, broken out by sector, gender, ethnicity, race and veteran status.

Business QuickFacts	Cranbury	Middlesex County	New Jersey
Total number of firms, 2007	N/A	19,056	199,359
Total number of employees, 2007	N/A	404,252	3,631,658
Manufacturers' shipments, 2007 (\$1000)	N/A	12,207,299	116,608,094
Merchant wholesaler sales, 2007 (\$1000)	N/A	\$32,631,795	\$233,413,004
Retail sales, 2007 (\$1000)	N/A	\$11,131,032	\$124,813,580
Retail sales per capita, 2007	N/A	\$14,274	\$14,453
Accommodation and food services sales, 2007 (\$1000)	N/A	\$1,275,068	\$19,993,613
Accommodation and food services sales per capita, 2007	N/A	\$1,635	\$2,315

Source(s): 2007 Economic Census, 2007 Survey of Business Owners

Construction

The New Jersey Department of Community Affairs publishes construction statistics based on certificates of occupancy, issued by local construction officials and reported to the state. During 2001-2010, Cranbury accounted for 1.3% of residential COs in Middlesex County, and 13.6% of nonresidential square footage.

Construction QuickFacts	Cranbury	Middlesex County	New Jersey
Residential COs for housing units, 2001-2010	264	19,637	241,645
Residential COs, Units, Municipal Ranking in Middlesex County, 2001-2010	16	N/A	N/A
Nonresidential COs, total square feet of floor area, 2001-2010	9,415,054	69,483,581	452,960,897
Nonresidential COs, Sq. Ft., Municipal Ranking in Middlesex County, 2001-2010	3	N/A	N/A

Source(s): 2001-2010 NJ Department of Community Affairs Construction Reporter

Work Travel Behavior and Employment Characteristics

Commute Shed

From 2006-2010, an average of 1,441 covered jobs were held by Cranbury residents, while a total of 127 residents held covered jobs located in Cranbury. The majority of residents were employed outside Middlesex County, with the largest share of those commuters travelling to adjacent Mercer County. At the municipality level, the largest share of resident commuters stay within Cranbury Township, with the second largest share travelling into Manhattan.

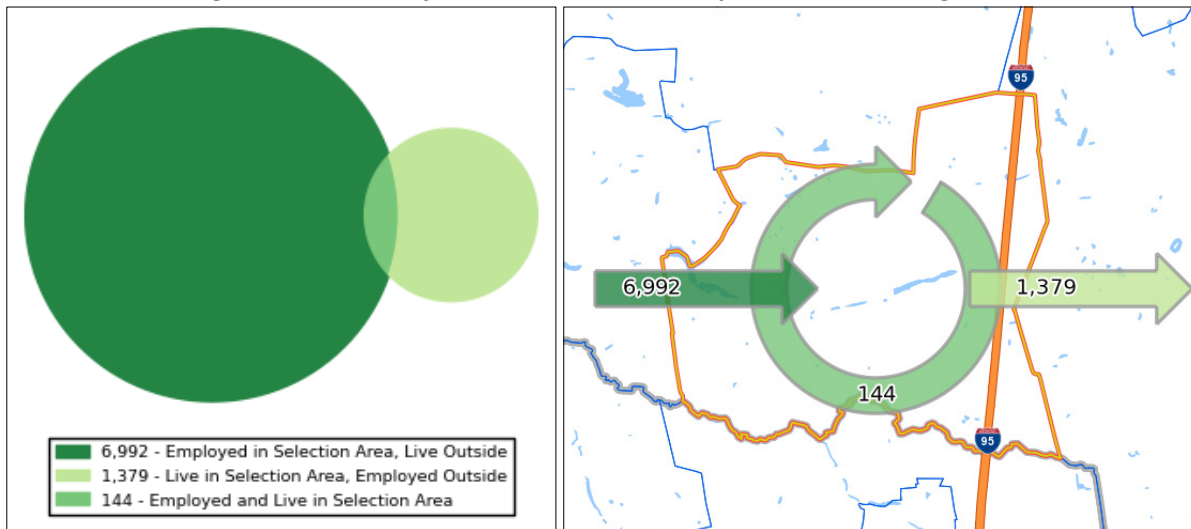
<i>Labor Force: Where Residents are Employed</i>	Number	Percent
Total Primary Jobs, 2006-2010 average	1,441	--
Top-5 Destinations by Municipality		
Cranbury Twp., NJ	127	8.8%
Manhattan Borough, NY	84	5.8%
West Windsor Twp., NJ	77	5.3%
South Brunswick Twp., NJ	66	4.6%
Princeton Borough, NJ	48	3.3%
Top-5 Destinations by County		
Middlesex County, NJ	483	33.5%
Mercer County, NJ	326	22.6%
Somerset County, NJ	87	6.0%
New York County, NY	84	5.8%
Monmouth County, NJ	60	4.2%

Labor Shed

An average of 7,254 people had primary covered employment in Cranbury Township during the 2006-2010 period. More than a quarter of these people lived in Middlesex County, with the next largest share coming from Mercer County. The largest municipal share came from East Windsor Township, followed by Hamilton Township, both located in Mercer County.

<i>Workforce: Where Employees Reside</i>	Number	Percent
Total Primary Jobs, 2006-2010 average	7,254	--
Top-5 Origins by Municipality		
East Windsor Twp., NJ	348	4.8%
Hamilton Twp., NJ	347	4.8%
South Brunswick Twp., NJ	217	3.0%
Monroe Twp., NJ	194	2.7%
Plainsboro Twp., NJ	162	2.2%
Top-5 Origins by County		
Middlesex County, NJ	1,998	27.5%
Mercer County, NJ	1,327	18.3%
Monmouth County, NJ	617	8.5%
Ocean County, NJ	384	5.3%
Burlington County, NJ	382	5.3%

Figure 2-1: Cranbury Inflow/Outflow Primary Job Counts during 2010



Source: US Census Bureau, Longitudinal Employer-Household Dynamics (LEHD)

Journey-to-Work

During the 2006-2010 period, the overwhelming majority of people commuting from Cranbury (80.5%) drove to work in cars occupied solely by the driver. This was true for both commuters within Middlesex County, as well as commuters that left the county, but remained in-state.

Commuting QuickFacts	Cranbury	Middlesex County	New Jersey
Mean travel time to work (minutes), workers age 16+, 2006-2010	33.7	31.7	29.8
Drove alone to work, percent of workers, 2006-2010	80.5%	73.1%	71.6%
Public transportation to work, percent of workers, 2006-2010	9.1%	9.8%	10.6%

Source: 2006-2010 American Community Survey

A majority of people commuting out-of-state used public transit to reach their destination, while 2.0% of all commuters walked to work. An additional 2.6% worked from home, and therefore did not have a significant impact on the morning or evening rush hours.

Means of Commuting	All Places of Work		In-state, In-county		In-state, Out-of-county		Out-of-State	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Drove Alone	1,214	80.5%	422	77.4%	721	95.4%	71	34.1%
Carpooled	82	5.4%	49	9.0%	28	3.7%	5	2.4%
Public Transit	137	9.1%	5	0.9%	0	0.0%	132	63.5%
Taxi, Motorcycle, Bicycle, or Other	7	0.5%	0	0.0%	7	0.9%	0	0.0%
Walked	30	2.0%	30	5.5%	0	0.0%	0	0.0%
Worked from Home	39	2.6%	39	7.2%	--	--	--	--
Total	1,509	100.0%	545	100.0%	756	100.0%	208	100.0%

Source: 2006-2010 American Community Survey

Transportation Planning Documents

Cranbury most recently updated their Master Plan in December of 2010, at which time the circulation element was also updated. The following potential improvements were included in the Cranbury Township Master Plan:

Table 2-1 Cranbury Roadway Recommendations

Jurisdiction	Type	Location	Description	Status
State	Expansion	U.S. 130	Add Capacity	
	Expansion	Brick Yard Road	Widen Roadway (Add shoulders)	
County/Local	Expansion	CR 685 (Old Trenton Road)	Widen Roadway (Add shoulders)	
County/Local	Study Required	CR 615 (Station Road)	Possible one-way eastbound from Main Street to U.S. 130	
	New Construction	Liberty Way	Extend to intersect with U.S. 130 at CR 685 (Requires bridge construction)	
	New Construction	Liberty Way	Add stub connector to Viridian Property	
	Reconfiguration	Half Acre Road	Left-hand storage lanes for site driveway intersections	
	Reconfiguration	Half Acre Road	Acceleration/Deceleration lanes for driveways	
County/Local	Pedestrian	CR 615 (Station Road)	Traffic Calming	
	Pedestrian	Maplewood Ave./Scott Ave.	Traffic Calming	

Table 2-2 Cranbury Intersection Recommendations

Jurisdiction	Type	Location	Description	Status
State	Realignment	U.S. 130/Brick Yard Road (Cranbury Circle)	ROW Realignment (Requires land condemnation)	
State	New Construction	U.S. 130/CR 685	Liberty Way Connection	
State	New Construction	U.S. 130/CR 615	Liberty Way accompanying ROW Improvements	
	Traffic Control	Station Road/Liberty Way	Turn Lanes/Signalization	
	Traffic Control	Half Acre Road/Liberty Way	Turn Lanes/Signalization	
	Traffic Control	Station Road/Hightstown-Cranbury Station Road	Turn Lanes/Signalization	

Table 2-3 Cranbury Bicycle/Pedestrian Recommendations

Jurisdiction	Type	Location	Description	Status
	Pedestrian	Village Park, Village Green Park, Heritage Park	Connect with walking paths to municipal sidewalk system	
	Pedestrian	Cranbury Brook	Extend path through Barclay property, forming loop with existing path	
	Pedestrian	Cranbury Brook from Plainsboro Road	Establish walkway along brook to Sardini property	
	Pedestrian	Village Green Park to Bunker Hill Road	Provide sidewalk connection	

Table 2-4 Cranbury Parking Recommendations

Jurisdiction	Type	Location	Description	Status
Local	Traffic Control	Main Street (Village Center)	Develop On-Street or Lot	

Table 2-5 Cranbury Miscellaneous Recommendations

Type	Description	Status
Bike/Ped	Develop Bikeway Plan	
Bike/Ped	Possible pedestrian facilities on Station Road at Evans Lane	
Bike/Ped	Clear and sign existing trails in Unami Woods (Pumphouse Road entrance)	
	Transfer jurisdiction of Station Road between Main Street and U.S. 130 to Cranbury Township	
	Transfer jurisdiction of Old Trenton Road between South Main Street and U.S. 130 to Middlesex County	

3. Dunellen Borough

Background

Dunellen Borough is a municipality located in northern Middlesex County. Created by an act of the state legislature from parts of Piscataway Township following an 1886 referendum, the area grew from the New Market Junction station of the Elizabethtown and Somerville Railroad. The borough has a total land area of 1.05 square miles, and shares borders with Middlesex Borough and Piscataway Township in Middlesex County, Green Brook Township in Somerset County, and Plainfield in Union County.

Geography QuickFacts	Dunellen	Middlesex County	New Jersey
Land area in square miles, 2010	1.0	308.9	7,354.2
Persons per square mile of land area, 2010	6,894.8	2,621.6	1,195.5
Population density, municipal ranking in Middlesex County, 2010	4	N/A	N/A
Housing units per square mile of land area, 2010	2,559.7	954.3	483.2
Housing unit density, municipal ranking in Middlesex County, 2010	5	N/A	N/A
Water area in square miles, 2010	0.0	13.9	1,368.4
Total area in square miles, 2010	1.0	322.8	8,722.6

Source: 2010 Decennial Census

Population, Housing and Households

Population

During the 2010 Census, Dunellen Borough had a population of 7,227. Average data for the 2006-2010 period comes from the American Community Survey 5-year estimates.

Population QuickFacts	Dunellen	Middlesex County	New Jersey
Population, 2011 estimate	7,268	814,217	8,821,155
Population, 2010	7,227	809,858	8,791,894
Population change, 2000 to 2010	+ 404	+ 59,696	+ 377,544
Population, percent change, 2000 to 2010	+ 5.9%	+ 8.0%	+ 4.5%
Population, 2000	6,823	750,162	8,414,350
Persons under 5 years, percent, 2010	6.3%	6.2%	6.2%
Persons under 18 years, percent, 2010	23.7%	22.9%	23.5%
Persons 65 years and over, percent, 2010	9.7%	12.3%	13.5%
Median age of population, 2010	37.1	37.2	39.0
Living in same house 1 year & over, 2006-2010	92.4%	88.3%	89.4%
Foreign born persons, percent, 2006-2010	22.4%	29.4%	20.3%
Language other than English spoken at home, pct age 5+, 2006-2010	33.8%	39.5%	28.7%
High school graduates, percent of persons age 25+, 2006-2010	88.3%	88.0%	87.3%
Bachelor's degree or higher, pct of persons age 25+, 2006-2010	27.4%	38.4%	34.6%

Source(s): 2010 Decennial Census, 2006-2010 American Community Survey

Housing

The same census indicated that there were 2,683 housing units in Dunellen. Of these houses, 15.8% were built in 1970 or later, and 7.4% were built in 1990 or later. The median home value was \$329,100, and 81.1% of housing units had a mortgage.

Housing QuickFacts	Dunellen	Middlesex County	New Jersey
Housing units, 2010	2,683	294,800	3,553,562
Housing units change, 2000 to 2010	+ 163	+ 21,163	+ 243,287
Housing units, percent change, 2000 to 2010	+ 6.5%	+ 7.7%	+ 7.3%
Housing units, 2000	2,520	273,637	3,310,275
Homeownership rate, 2006-2010	68.7%	67.0%	66.9%
Housing units in multi-unit structures, percent, 2006-2010	28.9%	34.4%	35.9%
Median value of owner-occupied housing units, 2006-2010	\$329,100	\$356,000	\$357,000
Occupied housing units with no vehicle available, percent, 2006-2010	7.2%	8.3%	11.7%
Average number of vehicles per occupied housing unit, 2006-2010	1.9	1.8	1.7

Source(s): 2010 Decennial Census, 2006-2010 American Community Survey

Households

Census defines a household as the group of people occupying distinct living quarters. This group lives and eats separately from other persons, and must have direct access to their housing unit from outside or a common hall.

Household QuickFacts	Dunellen	Middlesex County	New Jersey
Households, 2006-2010	2,568	277,398	3,176,069
Persons per household, 2006-2010	2.77	2.78	2.69

Source: 2006-2010 American Community Survey

Economic Characteristics

Occupations and Industries of Residents (Labor Force)

During 2006-2010, of the 5,712 individuals age 16 and over, 74.3% were in the labor force. Based on data from the American Community Survey, the three largest professions were:

- Management, business, science and arts occupations, 35.3%
- Natural resources, construction, and maintenance occupations, 19.9%
- Sales and office occupations, 19.4%

When grouped by industry, the three largest shares of the municipal labor force worked in:

- Educational services, health care and social assistance, 20.8%
- Manufacturing, 14.3%
- Retail trade, 13.3%

Income

During 2006-2010, the median household income in Dunellen Borough was \$74,375, while the average household income was \$82,722. On a per capita basis, individual income was \$30,960, while 8.3% of the population was living below the poverty level.

Income QuickFacts	Dunellen	Middlesex County	New Jersey
Per capita money income in past 12 months (2010 dollars) 2006-2010	\$30,960	\$33,289	\$34,858
Median household income, (2010 dollars) 2006-2010	\$74,375	\$77,615	\$69,811
Persons below poverty level, percent, 2006-2010	8.3%	7.4%	9.1%

Source: 2006-2010 American Community Survey

Businesses

Business data is drawn from two datasets produced by the US Census Bureau. The Economic Census, published every 5 years and last released in 2007, is based on a pure population count, similar to the decennial census. It provides information about the size and number of firms, broken out by industry sector. The Survey of Business Owners, published every 5 years and last released in 2007, is based on statistical methodologies and random sampling. It provides information about the number, size and payroll of firms, broken out by sector, gender, ethnicity, race and veteran status.

Business QuickFacts	Dunellen	Middlesex County	New Jersey
Total number of firms, 2007	104	19,056	199,359
Total number of employees, 2007	755	404,252	3,631,658
Manufacturers' shipments, 2007 (\$1000)	N/A	12,207,299	116,608,094
Merchant wholesaler sales, 2007 (\$1000)	\$103,493	\$32,631,795	\$233,413,004
Retail sales, 2007 (\$1000)	\$33,347	\$11,131,032	\$124,813,580
Retail sales per capita, 2007	\$4,839	\$14,274	\$14,453
Accommodation and food services sales, 2007 (\$1000)	\$4,705	\$1,275,068	\$19,993,613
Accommodation and food services sales per capita, 2007	\$683	\$1,635	\$2,315

Source(s): 2007 Economic Census, 2007 Survey of Business Owners

Construction

The New Jersey Department of Community Affairs publishes construction statistics based on certificates of occupancy, issued by local construction officials and reported to the state. During 2001-2010, Dunellen accounted for 0.2% of residential COs in Middlesex County, and 0.1% of nonresidential square footage.

Construction QuickFacts	Dunellen	Middlesex County	New Jersey
Residential COs for housing units, 2001-2010	48	19,637	241,645
Residential COs, Units, Municipal Ranking in Middlesex County, 2001-2010	24	N/A	N/A
Nonresidential COs, total square feet of floor area, 2001-2010	66,336	69,483,581	452,960,897
Nonresidential COs, Sq. Ft., Municipal Ranking in Middlesex County, 2001-2010	22	N/A	N/A

Source(s): 2001-2010 NJ Department of Community Affairs Construction Reporter

Work Travel Behavior and Employment Characteristics

Commute Shed

From 2006-2010, an average of 2,966 covered jobs were held by Dunellen residents, while a total of 168 residents held covered jobs located in Dunellen. The majority of residents were employed outside Middlesex County, with the largest share of those commuters travelling to Somerset County. At the municipality level, the largest share of resident commuters travel to Piscataway, while the second largest share stays within Dunellen.

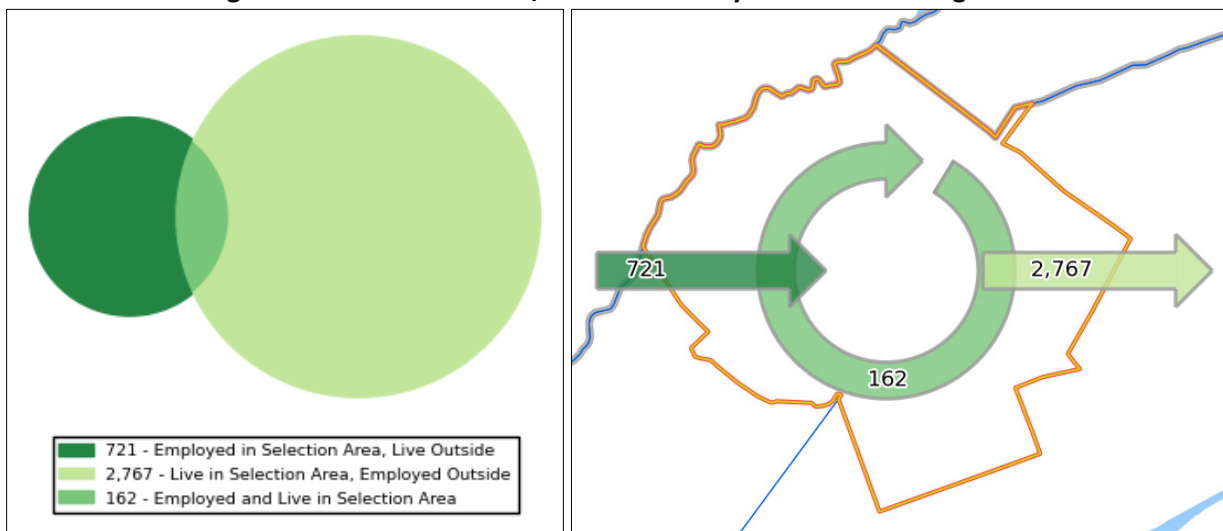
<i>Labor Force: Where Residents are Employed</i>	Number	Percent
Total Primary Jobs, 2006-2010 average	2,966	--
Top-5 Destinations by Municipality		
Piscataway Twp., NJ	172	5.8%
Dunellen Borough, NJ	168	5.7%
Edison Township, NJ	142	4.8%
Bridgewater Twp., NJ	117	3.9%
Manhattan Borough, NY	104	3.5%
Top-5 Destinations by County		
Middlesex County, NJ	1,004	33.9%
Somerset County, NJ	664	22.4%
Union County, NJ	305	10.3%
Essex County, NJ	125	4.2%
Morris County, NJ	121	4.1%

Labor Shed

An average of 1,073 people had primary covered employment in Dunellen Borough during the 2006-2010 period. Nearly half of these people lived in Middlesex County, with the next largest share coming from Somerset County. The largest municipal share outside of Dunellen itself came from Piscataway Township, followed by the City of Plainfield in neighboring Union County.

<i>Workforce: Where Employees Reside</i>	Number	Percent
Total Primary Jobs, 2006-2010 average	1,073	--
Top-5 Origins by Municipality		
Dunellen Borough, NJ	168	15.7%
Piscataway Twp., NJ	60	5.6%
Plainfield City, NJ	58	5.4%
Middlesex Borough, NJ	49	4.6%
North Plainfield Boro., NJ	38	3.5%
Top-5 Origins by County		
Middlesex County, NJ	429	40.0%
Somerset County, NJ	191	17.8%
Union County, NJ	138	12.9%
Monmouth County, NJ	25	2.3%
Essex County, NJ	23	2.1%

Figure 3-1: Dunellen Inflow/Outflow Primary Job Counts during 2010



Source: US Census Bureau, Longitudinal Employer-Household Dynamics (LEHD)

Journey-to-Work

During the 2006-2010 period, the overwhelming majority of people commuting from Dunellen (75.4%) drove to work in cars occupied solely by the driver. This was true for both commuters within Middlesex County, as well as commuters that left the county, but remained in-state.

Commuting QuickFacts	Dunellen	Middlesex County	New Jersey
Mean travel time to work (minutes), workers age 16+, 2006-2010	32.1	31.7	29.8
Drove alone to work, percent of workers, 2006-2010	75.4%	73.1%	71.6%
Public transportation to work, percent of workers, 2006-2010	9.1%	9.8%	10.6%

Source: 2006-2010 American Community Survey

A narrow majority of people commuting out-of-state used public transit to reach their destination, while 0.9% of all commuters walked to work. An additional 3.6% worked from home, and therefore did not have a significant impact on the morning or evening rush hours.

Means of Commuting	All Places of Work		In-state, In-county		In-state, Out-of-county		Out-of-State	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Drove Alone	2,984	75.4%	1,124	77.6%	1,740	77.2%	120	47.4%
Carpooled	260	6.6%	87	6.0%	173	7.7%	0	0.0%
Public Transit	361	9.1%	0	0.0%	228	10.1%	133	52.6%
Taxi, Motorcycle, Bicycle, or Other	172	4.3%	73	5.0%	99	4.4%	0	0.0%
Walked	37	0.9%	24	1.7%	13	0.6%	0	0.0%
Worked from Home	141	3.6%	141	9.7%	--	--	--	--
Total	3,955	100.0%	1,449	100.0%	2,253	100.0%	253	100.0%

Source: 2006-2010 American Community Survey

Transportation Planning Documents

Dunellen most recently updated their Master Plan in June of 1979, at which time the circulation element was also updated. The most recent reexamination report is from February of 1996. The 1996 report did not include any potential improvements.

4. East Brunswick Township

Background

East Brunswick Township is a municipality located in central Middlesex County. It was incorporated by the state legislature in 1860, with land taken from Monroe Township and North Brunswick Township. A farming community dating back to the colonial era, suburban development became predominant following World War II. This was due largely to the 1951 opening of NJ Turnpike Exit 9, as well as the mid-1950s construction of Memorial Highway (now State Route 18) from New Brunswick to U.S. Route 9 in Old Bridge. The township has a total land area of 21.7 square miles, and shares borders with North Brunswick Township, South Brunswick Township, Monroe Township, Helmetta Borough, Spotswood Borough, Old Bridge Township, Sayreville Borough, South River Borough, Edison Township, New Brunswick, and Milltown Borough.

Geography QuickFacts	East Brunswick	Middlesex County	New Jersey
Land area in square miles, 2010	21.7	308.9	7,354.2
Persons per square mile of land area, 2010	2,189.6	2,621.6	1,195.5
Population density, municipal ranking in Middlesex County, 2010	20	N/A	N/A
Housing units per square mile of land area, 2010	800.4	954.3	483.2
Housing unit density, municipal ranking in Middlesex County, 2010	21	N/A	N/A
Water area in square miles, 2010	0.6	13.9	1,368.4
Total area in square miles, 2010	22.3	322.8	8,722.6

Source: 2010 Decennial Census

Population, Housing and Households

Population

During the 2010 Census, East Brunswick Township had a population of 47,512. Average data for the 2006-2010 period comes from the American Community Survey 5-year estimates.

Population QuickFacts	East Brunswick	Middlesex County	New Jersey
Population, 2011 estimate	47,774	814,217	8,821,155
Population, 2010	47,512	809,858	8,791,894
Population change, 2000 to 2010	+ 756	+ 59,696	+ 377,544
Population, percent change, 2000 to 2010	+ 1.6%	+ 8.0%	+ 4.5%
Population, 2000	46,756	750,162	8,414,350
Persons under 5 years, percent, 2010	4.6%	6.2%	6.2%
Persons under 18 years, percent, 2010	24.1%	22.9%	23.5%
Persons 65 years and over, percent, 2010	13.5%	12.3%	13.5%
Median age of population, 2010	42.5	37.2	39.0
Living in same house 1 year & over, 2006-2010	92.8%	88.3%	89.4%
Foreign born persons, percent, 2006-2010	29.0%	29.4%	20.3%
Language other than English spoken at home, pct age 5+, 2006-2010	37.4%	39.5%	28.7%
High school graduates, percent of persons age 25+, 2006-2010	94.1%	88.0%	87.3%
Bachelor's degree or higher, pct of persons age 25+, 2006-2010	54.0%	38.4%	34.6%

Source(s): 2010 Decennial Census, 2006-2010 American Community Survey

Housing

The same census indicated that there were 17,367 housing units in East Brunswick. Of these houses, 52.9% were built in 1970 or later, and 14.0% were built in 1990 or later. The median home value was \$393,600, and 73.2% of housing units had a mortgage.

Housing QuickFacts	East Brunswick	Middlesex County	New Jersey
Housing units, 2010	17,367	294,800	3,553,562
Housing units change, 2000 to 2010	+ 727	+ 21,163	+ 243,287
Housing units, percent change, 2000 to 2010	+ 4.4%	+ 7.7%	+ 7.3%
Housing units, 2000	16,640	273,637	3,310,275
Homeownership rate, 2006-2010	85.8%	67.0%	66.9%
Housing units in multi-unit structures, percent, 2006-2010	19.6%	34.4%	35.9%
Median value of owner-occupied housing units, 2006-2010	\$393,600	\$356,000	\$357,000
Occupied housing units with no vehicle available, percent, 2006-2010	3.8%	8.3%	11.7%
Average number of vehicles per occupied housing unit, 2006-2010	2.0	1.8	1.7

Source(s): 2010 Decennial Census, 2006-2010 American Community Survey

Households

Census defines a household as the group of people occupying distinct living quarters. This group lives and eats separately from other persons, and must have direct access to their housing unit from outside or a common hall.

Household QuickFacts	East Brunswick	Middlesex County	New Jersey
Households, 2006-2010	16,443	277,398	3,176,069
Persons per household, 2006-2010	2.88	2.78	2.69

Source: 2006-2010 American Community Survey

Economic Characteristics

Occupations and Industries of Residents (Labor Force)

During 2006-2010, of the 37,237 individuals age 16 and over, 69.8% were in the labor force. Based on data from the American Community Survey, the three largest professions were:

- Management, business, science and arts occupations, 53.1%
- Sales and office occupations, 27.0%
- Service occupations, 10.3%

When grouped by industry, the three largest shares of the municipal labor force worked in:

- Educational services, health care and social assistance, 24.3%
- Professional, scientific, and management, and administrative and waste management services, 13.5%
- Finance and insurance, and real estate and rental and leasing, 13.4%

Income

During 2006-2010, the median household income in East Brunswick Township was \$100,655, while the average household income was \$117,853. On a per capita basis, individual income was \$41,518, while 3.4% of the population was living below the poverty level.

Income QuickFacts	East Brunswick	Middlesex County	New Jersey
Per capita money income in past 12 months (2010 dollars) 2006-2010	\$41,518	\$33,289	\$34,858
Median household income, (2010 dollars) 2006-2010	\$100,655	\$77,615	\$69,811
Persons below poverty level, percent, 2006-2010	3.4%	7.4%	9.1%

Source: 2006-2010 American Community Survey

Businesses

Business data is drawn from two datasets produced by the US Census Bureau. The Economic Census, published every 5 years and last released in 2007, is based on a pure population count, similar to the decennial census. It provides information about the size and number of firms, broken out by industry sector. The Survey of Business Owners, published every 5 years and last released in 2007, is based on statistical methodologies and random sampling. It provides information about the number, size and payroll of firms, broken out by sector, gender, ethnicity, race and veteran status.

Business QuickFacts	East Brunswick	Middlesex County	New Jersey
Total number of firms, 2007	1,811	19,056	199,359
Total number of employees, 2007	26,971	404,252	3,631,658
Manufacturers' shipments, 2007 (\$1000)	168,665	12,207,299	116,608,094
Merchant wholesaler sales, 2007 (\$1000)	\$567,878	\$32,631,795	\$233,413,004
Retail sales, 2007 (\$1000)	\$1,128,099	\$11,131,032	\$124,813,580
Retail sales per capita, 2007	\$24,056	\$14,274	\$14,453
Accommodation and food services sales, 2007 (\$1000)	\$119,582	\$1,275,068	\$19,993,613
Accommodation and food services sales per capita, 2007	\$2,550	\$1,635	\$2,315

Source(s): 2007 Economic Census, 2007 Survey of Business Owners

Construction

The New Jersey Department of Community Affairs publishes construction statistics based on certificates of occupancy, issued by local construction officials and reported to the state. During 2001-2010, East Brunswick accounted for 1.0% of residential COs in Middlesex County, and 1.7% of nonresidential square footage.

Construction QuickFacts	East Brunswick	Middlesex County	New Jersey
Residential COs for housing units, 2001-2010	192	19,637	241,645
Residential COs, Units, Municipal Ranking in Middlesex County, 2001-2010	17	N/A	N/A
Nonresidential COs, total square feet of floor area, 2001-2010	1,176,755	69,483,581	452,960,897
Nonresidential COs, Sq. Ft., Municipal Ranking in Middlesex County, 2001-2010	13	N/A	N/A

Source(s): 2001-2010 NJ Department of Community Affairs Construction Reporter

Work Travel Behavior and Employment Characteristics

Commute Shed

From 2006-2010, an average of 20,602 covered jobs were held by East Brunswick residents, while a total of 2,813 residents held covered jobs located in East Brunswick. The majority of residents were employed outside Middlesex County, with the largest share of those commuters travelling to Somerset County. At the municipality level, the largest share of resident commuters stay within East Brunswick, while the second largest share commutes into Manhattan.

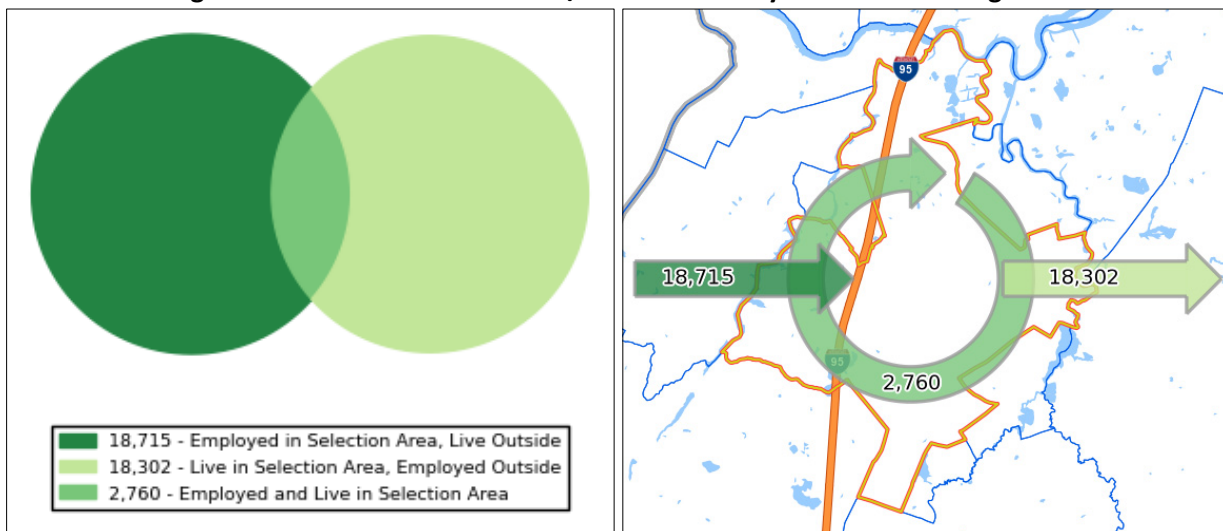
<i>Labor Force: Where Residents are Employed</i>	Number	Percent
Total Primary Jobs, 2006-2010 average	20,602	--
Top-5 Destinations by Municipality		
East Brunswick Twp., NJ	2,813	13.7%
Manhattan Borough, NY	1,434	7.0%
New Brunswick City, NJ	1,155	5.6%
Edison Township, NJ	1,100	5.3%
Piscataway Township, NJ	602	2.9%
Top-5 Destinations by County		
Middlesex County, NJ	9,482	46.0%
Somerset County, NJ	1,487	7.2%
New York County, NY	1,434	7.0%
Mercer County, NJ	1,209	5.9%
Monmouth County, NJ	1,185	5.8%

Labor Shed

An average of 22,986 people had primary covered employment in East Brunswick Township during the 2006-2010 period. Slightly less than half of these people lived in Middlesex County, with the next largest share coming from Monmouth County. The largest municipal share outside of East Brunswick itself came from Old Bridge Township, followed by Sayreville Borough.

<i>Workforce: Where Employees Reside</i>	Number	Percent
Total Primary Jobs, 2006-2010 average	22,986	--
Top-5 Origins by Municipality		
East Brunswick Twp., NJ	2,813	12.2%
Old Bridge Township, NJ	1,025	4.5%
Sayreville Borough, NJ	683	3.0%
Edison Township, NJ	639	2.8%
Woodbridge Township, NJ	578	2.5%
Top-5 Origins by County		
Middlesex County, NJ	10,080	43.9%
Monmouth County, NJ	2,786	12.1%
Somerset County, NJ	1,250	5.4%
Ocean County, NJ	1,034	4.5%
Union County, NJ	1,007	4.4%

Figure 4-1: East Brunswick Inflow/Outflow Primary Job Counts during 2010



Source: US Census Bureau, Longitudinal Employer-Household Dynamics (LEHD)

Journey-to-Work

During the 2006-2010 period, a majority of people commuting from East Brunswick (74.6%) drove to work in cars occupied solely by the driver. This was true for both commuters within Middlesex County, as well as commuters that left the county, but remained in-state.

Commuting QuickFacts	East Brunswick	Middlesex County	New Jersey
Mean travel time to work (minutes), workers age 16+, 2006-2010	37.2	31.7	29.8
Drove alone to work, percent of workers, 2006-2010	74.6%	73.1%	71.6%
Public transportation to work, percent of workers, 2006-2010	11.8%	9.8%	10.6%

Source: 2006-2010 American Community Survey

A majority of people commuting out-of-state used public transit to reach their destination, while 1.0% of all commuters walked to work. An additional 4.0% worked from home, and therefore did not have a significant impact on the morning or evening rush hours.

Means of Commuting	All Places of Work		In-state, In-county		In-state, Out-of-county		Out-of-State	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Drove Alone	17,766	74.6%	10,406	80.2%	6,378	87.4%	982	27.6%
Carpooled	1,772	7.4%	877	6.8%	586	8.0%	309	8.7%
Public Transit	2,801	11.8%	246	1.9%	315	4.3%	2,240	63.0%
Taxi, Motorcycle, Bicycle, or Other	281	1.2%	255	2.0%	16	0.2%	10	0.3%
Walked	248	1.0%	235	1.8%	0	0.0%	13	0.4%
Worked from Home	962	4.0%	962	7.4%	--	--	--	--
Total	23,830	100.0%	12,981	100.0%	7,295	100.0%	3,554	100.0%

Source: 2006-2010 American Community Survey

Transportation Planning Documents

East Brunswick most recently updated their Master Plan in April of 1990, at which time the circulation element was also updated. The most recent reexamination report is from February of 2011. The following potential improvements were included in the East Brunswick Township Master Plan:

Table 4-1 East Brunswick Roadway Recommendations

Jurisdiction	Type	Location	Description	Status
County	Expansion	Ryders Lane from Milltown Rd to Route 1	Widening/Restriping	X
County	Expansion	Cranbury Road from Route 18 to South Brunswick	Widening/Restriping	X
County	Expansion	Milltown Road from Harts Lane to Route 18	Widening	
Local	Expansion	Tices Lane from Harts Lane to Route 18	Widening/Restriping	
Local	New Construction	Civic Center Dr	Extend from Old Ryders Ln to New Ryders Ln to Cranbury Rd	
Local	New Construction	West Ferris St from stub to Harts Ln	Extend to Harts Ln as a collector road	
Local	New Construction	Edgeboro Rd	Extend to site of Marina on Lawrence Brook to allow separation of residential and marina traffic	X
State	Miscellaneous	Route 18 (various)	Various based on "Route 18 Preliminary Study"	
County	Expansion	Ryders Lane between Civic Center Dr and Dunham's Corner Rd and if possible to Milltown Rd	Widening/Restriping	X

Table 4-2 East Brunswick Intersection Recommendations

Jurisdiction	Type	Location	Description	Status
County	Traffic Control	Ryders Ln and Sullivan Way	Signalization	X
County	Traffic Control	New Ryders Ln and Civic Center Dr Extension	Signalization	
County	Traffic Control	Ryders Ln and Winton Rd	Signalization	X
County	Traffic Control	Cranbury Rd and Civic Center Dr	Signalization	X
Local	Traffic Control	New Brunswick Ave and Old Stage Rd	Signalization	X
County	Traffic Control	Milltown Rd and Merrill Ave	Signalization	X
Local	Traffic Control	Tices Ln and Renee Rd	Signalization	X
Local	Traffic Control	Tices Ln and University Ave	Signalization	X
Local	Traffic Control	Hardenburg Ln and Riva Ave	Signalization	X
Local	Traffic Control	Hardenburg Ln and Dunham's Corner Rd	Signalization	X

Table 4-3 East Brunswick Bicycle/Pedestrian Recommendations

Jurisdiction	Type	Location	Description	Status
Local/County	Multi-user	various	comprehensive bikeway/pedestrian plan	

5. Edison Township

Background

Edison Township is a municipality located in northern Middlesex County. Originally incorporated as Raritan Township in 1870, the name was changed in 1954 to honor inventor Thomas A. Edison, whose main laboratory was located in the township's Menlo Park neighborhood. Formed from parts of Piscataway Township and Woodbridge Township, land has subsequently been taken to form Metuchen and Highland Park. The township has a total land area of 29.9 square miles, and shares borders with South Plainfield Borough, Piscataway Township, Highland Park Borough, New Brunswick, East Brunswick Township, Sayreville Borough and Woodbridge Township in Middlesex County, and Clark, Scotch Plains and Plainfield in Union County. Edison also completely surrounds Metuchen Borough, located near the geographic center of Edison.

Geography QuickFacts	Edison	Middlesex County	New Jersey
Land area in square miles, 2010	29.9	308.9	7,354.2
Persons per square mile of land area, 2010	3,339.0	2,621.6	1,195.5
Population density, municipal ranking in Middlesex County, 2010	15	N/A	N/A
Housing units per square mile of land area, 2010	1,212.5	954.3	483.2
Housing unit density, municipal ranking in Middlesex County, 2010	15	N/A	N/A
Water area in square miles, 2010	0.7	13.9	1,368.4
Total area in square miles, 2010	30.6	322.8	8,722.6

Source: 2010 Decennial Census

Population, Housing and Households

Population

During the 2010 Census, Edison Township had a population of 99,967. Average data for the 2006-2010 period comes from the American Community Survey 5-year estimates.

Population QuickFacts	Edison	Middlesex County	New Jersey
Population, 2011 estimate	100,513	814,217	8,821,155
Population, 2010	99,967	809,858	8,791,894
Population change, 2000 to 2010	+ 2,280	+ 59,696	+ 377,544
Population, percent change, 2000 to 2010	+ 2.3%	+ 8.0%	+ 4.5%
Population, 2000	97,687	750,162	8,414,350
Persons under 5 years, percent, 2010	6.4%	6.2%	6.2%
Persons under 18 years, percent, 2010	22.7%	22.9%	23.5%
Persons 65 years and over, percent, 2010	12.6%	12.3%	13.5%
Median age of population, 2010	38.1	37.2	39.0
Living in same house 1 year & over, 2006-2010	85.5%	88.3%	89.4%
Foreign born persons, percent, 2006-2010	38.9%	29.4%	20.3%
Language other than English spoken at home, pct age 5+, 2006-2010	47.8%	39.5%	28.7%
High school graduates, percent of persons age 25+, 2006-2010	91.4%	88.0%	87.3%
Bachelor's degree or higher, pct of persons age 25+, 2006-2010	49.8%	38.4%	34.6%

Source(s): 2010 Decennial Census, 2006-2010 American Community Survey

Housing

The same census indicated that there were 36,302 housing units in Edison. Of these houses, 54.4% were built in 1970 or later, and 14.4% were built in 1990 or later. The median home value was \$382,300, and 71.0% of housing units had a mortgage.

Housing QuickFacts	Edison	Middlesex County	New Jersey
Housing units, 2010	36,302	294,800	3,553,562
Housing units change, 2000 to 2010	+ 284	+ 21,163	+ 243,287
Housing units, percent change, 2000 to 2010	+ 0.8%	+ 7.7%	+ 7.3%
Housing units, 2000	36,018	273,637	3,310,275
Homeownership rate, 2006-2010	64.0%	67.0%	66.9%
Housing units in multi-unit structures, percent, 2006-2010	37.8%	34.4%	35.9%
Median value of owner-occupied housing units, 2006-2010	\$382,300	\$356,000	\$357,000
Occupied housing units with no vehicle available, percent, 2006-2010	5.9%	8.3%	11.7%
Average number of vehicles per occupied housing unit, 2006-2010	1.8	1.8	1.7

Source(s): 2010 Decennial Census, 2006-2010 American Community Survey

Households

Census defines a household as the group of people occupying distinct living quarters. This group lives and eats separately from other persons, and must have direct access to their housing unit from outside or a common hall.

Household QuickFacts	Edison	Middlesex County	New Jersey
Households, 2006-2010	33,293	277,398	3,176,069
Persons per household, 2006-2010	2.84	2.78	2.69

Source: 2006-2010 American Community Survey

Economic Characteristics

Occupations and Industries of Residents (Labor Force)

During 2006-2010, of the 79,479 individuals age 16 and over, 66.4% were in the labor force. Based on data from the American Community Survey, the three largest professions were:

- Management, business, science and arts occupations, 51.6%
- Sales and office occupations, 24.8%
- Service occupations, 10.4%

When grouped by industry, the three largest shares of the municipal labor force worked in:

- Educational services, health care and social assistance, 20.7%
- Professional, scientific, and management, and administrative and waste management services, 17.3%
- Finance and insurance, and real estate and rental and leasing, 11.8%

Income

During 2006-2010, the median household income in Edison Township was \$86,725, while the average household income was \$106,078. On a per capita basis, individual income was \$36,464, while 7.2% of the population was living below the poverty level.

Income QuickFacts	Edison	Middlesex County	New Jersey
Per capita money income in past 12 months (2010 dollars) 2006-2010	\$36,464	\$33,289	\$34,858
Median household income, (2010 dollars) 2006-2010	\$86,725	\$77,615	\$69,811
Persons below poverty level, percent, 2006-2010	7.2%	7.4%	9.1%

Source: 2006-2010 American Community Survey

Businesses

Business data is drawn from two datasets produced by the US Census Bureau. The Economic Census, published every 5 years and last released in 2007, is based on a pure population count, similar to the decennial census. It provides information about the size and number of firms, broken out by industry sector. The Survey of Business Owners, published every 5 years and last released in 2007, is based on statistical methodologies and random sampling. It provides information about the number, size and payroll of firms, broken out by sector, gender, ethnicity, race and veteran status.

Business QuickFacts	Edison	Middlesex County	New Jersey
Total number of firms, 2007	3,311	19,056	199,359
Total number of employees, 2007	85,760	404,252	3,631,658
Manufacturers' shipments, 2007 (\$1000)	1,796,167	12,207,299	116,608,094
Merchant wholesaler sales, 2007 (\$1000)	\$5,285,527	\$32,631,795	\$233,413,004
Retail sales, 2007 (\$1000)	\$3,083,445	\$11,131,032	\$124,813,580
Retail sales per capita, 2007	\$31,223	\$14,274	\$14,453
Accommodation and food services sales, 2007 (\$1000)	\$214,507	\$1,275,068	\$19,993,613
Accommodation and food services sales per capita, 2007	\$2,172	\$1,635	\$2,315

Source(s): 2007 Economic Census, 2007 Survey of Business Owners

Construction

The New Jersey Department of Community Affairs publishes construction statistics based on certificates of occupancy, issued by local construction officials and reported to the state. During 2001-2010, Edison accounted for 4.4% of residential COs in Middlesex County, and 7.9% of nonresidential square footage.

Construction QuickFacts	Edison	Middlesex County	New Jersey
Residential COs for housing units, 2001-2010	867	19,637	241,645
Residential COs, Units, Municipal Ranking in Middlesex County, 2001-2010	8	N/A	N/A
Nonresidential COs, total square feet of floor area, 2001-2010	5,506,59	69,483,581	452,960,89
Nonresidential COs, Sq. Ft., Municipal Ranking in Middlesex County, 2001-2010	9	N/A	7
	6	N/A	N/A

Source(s): 2001-2010 NJ Department of Community Affairs Construction Reporter

Work Travel Behavior and Employment Characteristics

Commuter Shed

From 2006-2010, an average of 46,206 covered jobs were held by Edison residents, while a total of 8,569 residents held covered jobs located in Edison. The majority of residents were employed outside Middlesex County, with the largest share of those commuters travelling to Union County. At the municipality level, the largest share of resident commuters stay within Edison, while the second largest share commutes into Manhattan.

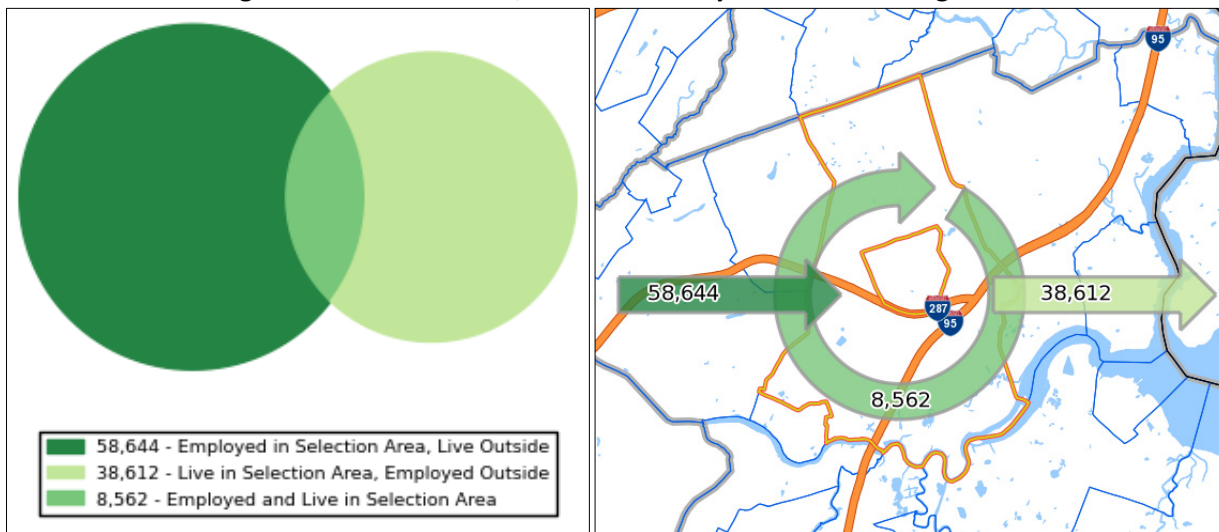
<i>Labor Force: Where Residents are Employed</i>	Number	Percent
Total Primary Jobs, 2006-2010 average	46,206	--
Top-5 Destinations by Municipality		
Edison Township, NJ	8,569	18.5%
Manhattan Borough, NY	3,827	8.3%
Woodbridge Twp., NJ	2,282	4.9%
Piscataway Township, NJ	1,702	3.7%
New Brunswick City, NJ	1,471	3.2%
Top-5 Destinations by County		
Middlesex County, NJ	19,997	43.3%
Union County, NJ	4,507	9.8%
New York County, NY	3,827	8.3%
Somerset County, NJ	3,215	7.0%
Essex County, NJ	2,548	5.5%

Labor Shed

An average of 70,104 people had primary covered employment in Edison Township during the 2006-2010 period. Less than half of these people lived in Middlesex County, with the next largest share coming from Union County. The largest municipal share outside of Edison Township itself came from Woodbridge Township, followed by the City of Perth Amboy.

<i>Workforce: Where Employees Reside</i>	Number	Percent
Total Primary Jobs, 2006-2010 average	70,104	--
Top-5 Origins by Municipality		
Edison Township, NJ	8,569	12.2%
Woodbridge Twp., NJ	4,180	6.0%
Perth Amboy City, NJ	2,604	3.7%
Piscataway Township, NJ	1,578	2.3%
Elizabeth City, NJ	1,434	2.0%
Top-5 Origins by County		
Middlesex County, NJ	28,266	40.3%
Union County, NJ	6,922	9.9%
Monmouth County, NJ	5,336	7.6%
Somerset County, NJ	4,178	6.0%
Essex County, NJ	3,075	4.4%

Figure 5-1: Edison Inflow/Outflow Primary Job Counts during 2010



Source: US Census Bureau, Longitudinal Employer-Household Dynamics (LEHD)

Journey-to-Work

During the 2006-2010 period, a majority of people commuting from Edison (70.4%) drove to work in cars occupied solely by the driver. This was true for both commuters within Middlesex County, as well as commuters that left the county, but remained in-state.

Commuting QuickFacts	Edison	Middlesex County	New Jersey
Mean travel time to work (minutes), workers age 16+, 2006-2010	35.8	31.7	29.8
Drove alone to work, percent of workers, 2006-2010	70.4%	73.1%	71.6%
Public transportation to work, percent of workers, 2006-2010	14.6%	9.8%	10.6%

Source: 2006-2010 American Community Survey

A majority of people commuting out-of-state used public transit to reach their destination, while 2.2% of commuters walked to work. An additional 3.2% worked from home, and therefore did not have a significant impact on the morning or evening rush hours.

Means of Commuting	All Places of Work		In-state, In-county		In-state, Out-of-county		Out-of-State	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Drove Alone	33,169	70.4%	18,192	77.0%	13,219	83.6%	1,758	23.0%
Carpooled	4,240	9.0%	2,524	10.7%	1,409	8.9%	307	4.0%
Public Transit	6,855	14.6%	356	1.5%	1,155	7.3%	5,344	69.8%
Taxi, Motorcycle, Bicycle, or Other	293	0.6%	78	0.3%	23	0.1%	192	2.5%
Walked	1,039	2.2%	968	4.1%	15	0.1%	56	0.7%
Worked from Home	1,516	3.2%	1,516	6.4%	--	--	--	--
Total	47,112	100.0%	23,634	100.0%	15,821	100.0%	7,657	100.0%

Source: 2006-2010 American Community Survey

Transportation Planning Documents

Edison most recently updated their Master Plan in August of 2003, at which time the circulation element was also updated. The following potential improvements were included in the Edison Township Master Plan:

Table 5-1 Edison Roadway Recommendations

Jurisdiction	Type	Location	Description	Status
State	Expansion	Oak Tree Road/Green Street	Add Capacity	
State	Expansion	U.S. 1 between Pierson Avenue and south of Garden State Parkway	Widen Roadway (Add Lanes)	
State	Expansion	Amtrak Structure - Evergreen Road	Widen Roadway	

Table 5-2 Edison Intersection Recommendations

Jurisdiction	Type	Location	Description	Status
State	New Construction	Rt. 27/Wood Avenue	Grade Separated Interchange	
County/Local	Traffic Control	Plainfield Road/Stephenville Parkway	Signalization	
County/Local	Expansion	Plainfield Avenue/Kilmer to Ethel	Widening/Signalization	
County/Local	Traffic Control	Inman Avenue/Wood Avenue	Signal Upgrade	
County/Local	Traffic Control	Woodbridge Avenue/Plainfield Avenue	Signal Upgrade	
County/Local	Traffic Control	Woodbridge Avenue/Duclos Lane	Signalization/Traffic Calming	
County/Local	Traffic Control	Woodbridge Avenue/Gurley Road	Signalization/Traffic Calming	
County/Local	Traffic Control	Main Street/Morris Avenue	Signalization/Traffic Calming	
County/Local	Traffic Control	Oak Tree Road/Sugar Tree Plaza	Signalization/Traffic Calming	
County/Local	Traffic Control	Inman Avenue/Featherbed Lane	Signalization/Traffic Calming	
County/Local	Traffic Control	Inman Avenue/Rahway Road	Signalization/Traffic Calming	
County/Local	Traffic Control	Inman Avenue/Old Raritan Road	Signalization/Traffic Calming	
County/Local	Traffic Control	Inman Avenue/Tingley Lane	Signalization/Traffic Calming	
County/Local	Traffic Control	Oak Tree Road/Woodland Avenue	Signalization/Traffic Calming	
County/Local	Traffic Control	Park Avenue/Stephenville Parkway	Signalization/Traffic Calming	
County/Local	Reconfiguration	Oak Tree Road/Plainfield Road/New Dover Road	Left-Hand Storage Lanes	
	Reconfiguration	Rt. 27/Talmadge Road	Modify signal timing, provide additional lanes	
	Study Required	I-287 SB at National Road and Mack Road	Additional entrance ramps for trucks	
	Study Required	U.S. 1/Plainfield Avenue		
	Study Required	Ramp from old Woodbridge Avenue EB to new Woodbridge Avenue WB		
	Study Required	Ramp from old Woodbridge Avenue WB to		

Jurisdiction	Type	Location	Description	Status
		new Woodbridge Avenue WB		
	Study Required	Woodbridge Avenue/Mill Road		
	Study Required	Rt. 27/Plainfield Avenue		
	Study Required	Plainfield Avenue/Central Avenue		
	Study Required	Talmadge Road/New Durham Road		
	Study Required	Talmadge Road/Ethel Road		
	Study Required	New Durham Road/Reading Road		
	Study Required	Old Post Road/Boulevard of the Eagles		
	Study Required	I-287 NB to U.S. 1 NB		
	Study Required	Amboy Avenue/Jackson Avenue		
	Study Required	Amboy Avenue/Woodbridge Avenue		
	Study Required	Amboy Avenue/Maplewood Avenue		
	Study Required	Amboy Avenue/King Georges Post Road		
	Study Required	Parsonage Road/Oakwood Avenue		
	Study Required	Evergreen Road/Thornall Street		
	Study Required	Calvert Avenue/Grove Avenue		
	Study Required	Calvert Avenue/Calvert Avenue East		
	Study Required	New Dover Road/Grove Street		
	Study Required	Featherbed Lane near Oak Ridge Road		
	Study Required	Inman Avenue/Grove Avenue		
	Study Required	Oak Tree Road between Marion Street and Lehigh Valley Railroad		
	Study Required	Talmadge Road/Park Avenue		
	Study Required	Plainfield Road/Woodrow Wilson Drive		
	Study Required	Plainfield Road between Edward Avenue and Metuchen Borough boundary		

Table 5-3 Edison Bicycle/Pedestrian Recommendations

Jurisdiction	Type	Location	Description	Status
State	Pedestrian	U.S. 1 - Utility Corridor Trail	12 foot wide multipurpose trail (Edison and Woodbridge)	

Table 5-4 Edison Railroad Recommendations

Jurisdiction	Type	Location	Description	Status
Amtrak/State	Study Required	Parsonage Road between Rt. 27 and Oakwood Avenue	Widen Railroad Underpasses (2)	

Table 5-5 Edison Miscellaneous Recommendations

Type	Description	Status
Bike/Ped	Implement Edison Bikeway Plan from 1994 Street Index Map	
Bike/Ped	Consider traffic calming measures on residential blocks	
Bike/Ped	Add crosswalks and pedestrian signage where necessary	

6. Helmetta Borough

Background

Helmetta Borough is a municipality located in central Middlesex County. It was formed by an act of the state legislature in 1888 in response to a public referendum, and initially known as Railroad Mills.

Created from portions of East Brunswick Township, Helmetta was a factory town centered around the G.W. Helme tobacco mill, which closed in the 1980s. The borough has a total land area of 0.85 square miles, and shares borders with East Brunswick Township, Monroe Township and Spotswood Borough.

Geography QuickFacts	Helmetta	Middlesex County	New Jersey
Land area in square miles, 2010	0.8	308.9	7,354.2
Persons per square mile of land area, 2010	2,562.9	2,621.6	1,195.5
Population density, municipal ranking in Middlesex County, 2010	19	N/A	N/A
Housing units per square mile of land area, 2010	1,082.6	954.3	483.2
Housing unit density, municipal ranking in Middlesex County, 2010	16	N/A	N/A
Water area in square miles, 2010	0.1	13.9	1,368.4
Total area in square miles, 2010	0.9	322.8	8,722.6

Source: 2010 Decennial Census

Population, Housing and Households

Population

During the 2010 Census, Helmetta Borough had a population of 2,178. Average data for the 2006-2010 period comes from the American Community Survey 5-year estimates.

Population QuickFacts	Helmetta	Middlesex County	New Jersey
Population, 2011 estimate	2,190	814,217	8,821,155
Population, 2010	2,178	809,858	8,791,894
Population change, 2000 to 2010	+ 353	+ 59,696	+ 377,544
Population, percent change, 2000 to 2010	+ 19.3%	+ 8.0%	+ 4.5%
Population, 2000	1,825	750,162	8,414,350
Persons under 5 years, percent, 2010	6.3%	6.2%	6.2%
Persons under 18 years, percent, 2010	20.8%	22.9%	23.5%
Persons 65 years and over, percent, 2010	9.6%	12.3%	13.5%
Median age of population, 2010	40.3	37.2	39.0
Living in same house 1 year & over, 2006-2010	95.4%	88.3%	89.4%
Foreign born persons, percent, 2006-2010	11.5%	29.4%	20.3%
Language other than English spoken at home, pct age 5+, 2006-2010	17.5%	39.5%	28.7%
High school graduates, percent of persons age 25+, 2006-2010	92.9%	88.0%	87.3%
Bachelor's degree or higher, pct of persons age 25+, 2006-2010	28.3%	38.4%	34.6%

Source(s): 2010 Decennial Census, 2006-2010 American Community Survey

Housing

The same census indicated that there were 920 housing units in Helmetta. Of these houses, 67.6% were built in 1970 or later, and 38.0% were built in 1990 or later. The median home value was \$255,200, and 84.2% of housing units had a mortgage.

Housing QuickFacts	Helmetta	Middlesex County	New Jersey
Housing units, 2010	920	294,800	3,553,562
Housing units change, 2000 to 2010	+ 151	+ 21,163	+ 243,287
Housing units, percent change, 2000 to 2010	+ 19.6%	+ 7.7%	+ 7.3%
Housing units, 2000	769	273,637	3,310,275
Homeownership rate, 2006-2010	96.2%	67.0%	66.9%
Housing units in multi-unit structures, percent, 2006-2010	35.9%	34.4%	35.9%
Median value of owner-occupied housing units, 2006-2010	\$255,200	\$356,000	\$357,000
Occupied housing units with no vehicle available, percent, 2006-2010	2.4%	8.3%	11.7%
Average number of vehicles per occupied housing unit, 2006-2010	2.0	1.8	1.7

Source(s): 2010 Decennial Census, 2006-2010 American Community Survey

Households

Census defines a household as the group of people occupying distinct living quarters. This group lives and eats separately from other persons, and must have direct access to their housing unit from outside or a common hall.

Household QuickFacts	Helmetta	Middlesex County	New Jersey
Households, 2006-2010	846	277,398	3,176,069
Persons per household, 2006-2010	2.49	2.78	2.69

Source: 2006-2010 American Community Survey

Economic Characteristics

Occupations and Industries of Residents (Labor Force)

During 2006-2010, of the 1,706 individuals age 16 and over, 74.2% were in the labor force. Based on data from the American Community Survey, the three largest professions were:

- Management, business, science and arts occupations, 34.3%
- Sales and office occupations, 31.7%
- Natural resources, construction, and maintenance occupations, 12.0%

When grouped by industry, the three largest shares of the municipal labor force worked in:

- Educational services, health care and social assistance, 22.7%
- Retail trade, 14.3%
- Professional, scientific, and management, and administrative and waste management services, 10.7%

Income

During 2006-2010, the median household income in Helmetta Borough was \$80,690, while the average household income was \$90,185. On a per capita basis, individual income was \$36,941, while 3.7% of the population was living below the poverty level.

Income QuickFacts	Helmetta	Middlesex County	New Jersey
Per capita money income in past 12 months (2010 dollars) 2006-2010	\$36,941	\$33,289	\$34,858
Median household income, (2010 dollars) 2006-2010	\$80,690	\$77,615	\$69,811
Persons below poverty level, percent, 2006-2010	3.7%	7.4%	9.1%

Source: 2006-2010 American Community Survey

Businesses

Business data is drawn from two datasets produced by the US Census Bureau. The Economic Census, published every 5 years and last released in 2007, is based on a pure population count, similar to the decennial census. It provides information about the size and number of firms, broken out by industry sector. The Survey of Business Owners, published every 5 years and last released in 2007, is based on statistical methodologies and random sampling. It provides information about the number, size and payroll of firms, broken out by sector, gender, ethnicity, race and veteran status.

Business QuickFacts	Helmetta	Middlesex County	New Jersey
Total number of firms, 2007	N/A	19,056	199,359
Total number of employees, 2007	N/A	404,252	3,631,658
Manufacturers' shipments, 2007 (\$1000)	N/A	12,207,299	116,608,094
Merchant wholesaler sales, 2007 (\$1000)	N/A	\$32,631,795	\$233,413,004
Retail sales, 2007 (\$1000)	N/A	\$11,131,032	\$124,813,580
Retail sales per capita, 2007	N/A	\$14,274	\$14,453
Accommodation and food services sales, 2007 (\$1000)	N/A	\$1,275,068	\$19,993,613
Accommodation and food services sales per capita, 2007	N/A	\$1,635	\$2,315

Source(s): 2007 Economic Census, 2007 Survey of Business Owners

Construction

The New Jersey Department of Community Affairs publishes construction statistics based on certificates of occupancy, issued by local construction officials and reported to the state. During 2001-2010, Helmetta accounted for 0.4% of residential COs in Middlesex County, and 0.03% of nonresidential square footage.

Construction QuickFacts	Helmetta	Middlesex County	New Jersey
Residential COs for housing units, 2001-2010	72	19,637	241,645
Residential COs, Units, Municipal Ranking in Middlesex County, 2001-2010	21	N/A	N/A
Nonresidential COs, total square feet of floor area, 2001-2010	23,564	69,483,581	452,960,897
Nonresidential COs, Sq. Ft., Municipal Ranking in Middlesex County, 2001-2010	25	N/A	N/A

Source(s): 2001-2010 NJ Department of Community Affairs Construction Reporter

Work Travel Behavior and Employment Characteristics

Commute Shed

From 2006-2010, an average of 1,172 covered jobs were held by Helmetta residents, while a total of 16 residents held covered jobs located in Helmetta. The majority of residents were employed in Middlesex County, with the largest share of outbound commuters travelling to Monmouth County. At the municipality level, the largest share of resident commuters travel to East Brunswick, while the second largest share commutes to South Brunswick.

<i>Labor Force: Where Residents are Employed</i>	Number	Percent
Total Primary Jobs, 2006-2010 average	1,172	--
Top-5 Destinations by Municipality		
East Brunswick Twp., NJ	81	6.9%
South Brunswick Twp., NJ	74	6.3%
Manhattan Borough, NY	70	6.0%
New Brunswick City, NJ	67	5.7%
Edison Township, NJ	46	3.9%
Top-5 Destinations by County		
Middlesex County, NJ	600	51.2%
Monmouth County, NJ	79	6.7%
Somerset County, NJ	75	6.4%
New York County, NY	70	6.0%
Mercer County, NJ	65	5.5%

Labor Shed

An average of 142 people had primary covered employment in Helmetta Borough during the 2006-2010 period. More than half of these people lived in Middlesex County, with the next largest share coming from Monmouth County. The largest municipal share outside of Helmetta itself came from Monroe Township, followed by Jamesburg Borough.

<i>Workforce: Where Employees Reside</i>	Number	Percent
Total Primary Jobs, 2006-2010 average	142	--
Top-5 Origins by Municipality		
Helmetta Borough, NJ	16	11.3%
Monroe Township, NJ	14	9.9%
Jamesburg Borough, NJ	10	7.0%
Spotswood Borough, NJ	8	5.6%
East Brunswick Twp., NJ	7	4.9%
Top-5 Origins by County		
Middlesex County, NJ	89	62.7%
Monmouth County, NJ	7	4.9%
Ocean County, NJ	5	3.5%
Mercer County, NJ	4	2.8%
Union County, NJ	1	0.7%

Figure 6-1: Helmetta Inflow/Outflow Primary Job Counts during 2010



Source: US Census Bureau, Longitudinal Employer-Household Dynamics (LEHD)

Journey-to-Work

During the 2006-2010 period, a majority of people commuting from Helmetta (88.0%) drove to work in cars occupied solely by the driver. This was true for both commuters within Middlesex County, as well as commuters leaving the county and the state.

Commuting QuickFacts	Helmetta	Middlesex County	New Jersey
Mean travel time to work (minutes), workers age 16+, 2006-2010	31.4	31.7	29.8
Drove alone to work, percent of workers, 2006-2010	88.0%	73.1%	71.6%
Public transportation to work, percent of workers, 2006-2010	2.0%	9.8%	10.6%

Source: 2006-2010 American Community Survey

An additional 1.8% of commuters walked to work, while 2.0% more worked from home, and therefore did not have a significant impact on the morning or evening rush hours.

Means of Commuting	All Places of Work		In-state, In-county		In-state, Out-of-county		Out-of-State	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Drove Alone	1,031	88.0%	646	87.5%	353	94.4%	32	53.3%
Carpooled	74	6.3%	48	6.5%	21	5.6%	5	8.3%
Public Transit	23	2.0%	0	0.0%	0	0.0%	23	38.3%
Taxi, Motorcycle, Bicycle, or Other	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Walked	21	1.8%	21	2.8%	0	0.0%	0	0.0%
Worked from Home	23	2.0%	23	3.1%	--	--	--	--
Total	1,172	100.0%	738	100.0%	374	100.0%	60	100.0%

Source: 2006-2010 American Community Survey

Transportation Planning Documents

Helmetta most recently updated their Master Plan in March of 1987, at which time the circulation element was also updated. The most recent reexamination report is from July of 2008. The following potential improvements were included in the Helmetta Borough Master Plan:

Table 6-1 Helmetta Roadway Recommendations

Jurisdiction	Type	Location	Description	Status
	Expansion	Helmetta Boulevard	60 foot ROW width, 40 foot pavement	
	Expansion	Maple Street	60 foot ROW width, 40 foot pavement	
	Expansion	Old Forge Road	60 foot ROW width, 40 foot pavement	
	Expansion	Lake Avenue	50 foot ROW width, 36 foot pavement	
	Expansion	High Street	50 foot ROW width, 36 foot pavement	

Table 6-2 Helmetta Intersection Recommendations

Jurisdiction	Type	Location	Description	Status
	Realignment	Old Forge Road/Main Street	Realign to meet at right angle	
	Realignment	N-S Lake Avenue/E-W Lake Avenue	Realign to meet at right angle	
	Realignment	Helmetta Boulevard/Maple Street	Realign to meet at right angle	

Table 6-3 Helmetta Railroad Recommendations

Jurisdiction	Type	Location	Description	Status
	Reconfiguration	105 ft. east of Main Street/North 12th Street	Add at-grade railroad crossing	

7. Highland Park Borough

Background

Highland Park Borough is a municipality located in northern Middlesex County. The area broke away from Edison (then Raritan Township) in 1905 over issues of educational policy and local autonomy. Originally a farming community, the area developed into a residential and industrial suburb of New Brunswick during the 1870s. However, industry largely departed by the 1960s, leaving a predominantly residential community. The borough has a total land area of 1.8 square miles, and shares borders with Piscataway Township, Edison Township and New Brunswick.

Geography QuickFacts	Highland Park	Middlesex County	New Jersey
Land area in square miles, 2010	1.8	308.9	7,354.2
Persons per square mile of land area, 2010	7,728.1	2,621.6	1,195.5
Population density, municipal ranking in Middlesex County, 2010	3	N/A	N/A
Housing units per square mile of land area, 2010	3,428.5	954.3	483.2
Housing unit density, municipal ranking in Middlesex County, 2010	2	N/A	N/A
Water area in square miles, 2010	0.0	13.9	1,368.4
Total area in square miles, 2010	1.8	322.8	8,722.6

Source: 2010 Decennial Census

Population, Housing and Households

Population

During the 2010 Census, Highland Park Borough had a population of 13,982. Average data for the 2006-2010 period comes from the American Community Survey 5-year estimates.

Population QuickFacts	Highland Park	Middlesex County	New Jersey
Population, 2011 estimate	14,060	814,217	8,821,155
Population, 2010	13,982	809,858	8,791,894
Population change, 2000 to 2010	- 17	+ 59,696	+ 377,544
Population, percent change, 2000 to 2010	- 0.1%	+ 8.0%	+ 4.5%
Population, 2000	13,999	750,162	8,414,350
Persons under 5 years, percent, 2010	5.8%	6.2%	6.2%
Persons under 18 years, percent, 2010	21.1%	22.9%	23.5%
Persons 65 years and over, percent, 2010	11.6%	12.3%	13.5%
Median age of population, 2010	34.8	37.2	39.0
Living in same house 1 year & over, 2006-2010	80.8%	88.3%	89.4%
Foreign born persons, percent, 2006-2010	29.6%	29.4%	20.3%
Language other than English spoken at home, pct age 5+, 2006-2010	37.0%	39.5%	28.7%
High school graduates, percent of persons age 25+, 2006-2010	94.7%	88.0%	87.3%
Bachelor's degree or higher, pct of persons age 25+, 2006-2010	63.2%	38.4%	34.6%

Source(s): 2010 Decennial Census, 2006-2010 American Community Survey

Housing

The same census indicated that there were 6,203 housing units in Highland Park. Of these houses, 23.9% were built in 1970 or later, and 4.9% were built in 1990 or later. The median home value was \$378,200, and 65.6% of housing units had a mortgage.

Housing QuickFacts	Highland Park	Middlesex County	New Jersey
Housing units, 2010	6,203	294,800	3,553,562
Housing units change, 2000 to 2010	+ 132	+ 21,163	+ 243,287
Housing units, percent change, 2000 to 2010	+ 2.2%	+ 7.7%	+ 7.3%
Housing units, 2000	6,071	273,637	3,310,275
Homeownership rate, 2006-2010	47.4%	67.0%	66.9%
Housing units in multi-unit structures, percent, 2006-2010	52.5%	34.4%	35.9%
Median value of owner-occupied housing units, 2006-2010	\$378,300	\$356,000	\$357,000
Occupied housing units with no vehicle available, percent, 2006-2010	7.9%	8.3%	11.7%
Average number of vehicles per occupied housing unit, 2006-2010	1.5	1.8	1.7

Source(s): 2010 Decennial Census, 2006-2010 American Community Survey

Households

Census defines a household as the group of people occupying distinct living quarters. This group lives and eats separately from other persons, and must have direct access to their housing unit from outside or a common hall.

Household QuickFacts	Highland Park	Middlesex County	New Jersey
Households, 2006-2010	5,786	277,398	3,176,069
Persons per household, 2006-2010	2.42	2.78	2.69

Source: 2006-2010 American Community Survey

Economic Characteristics

Occupations and Industries of Residents (Labor Force)

During 2006-2010, of the 11,123 individuals age 16 and over, 70.6% were in the labor force. Based on data from the American Community Survey, the three largest professions were:

- Management, business, science and arts occupations, 65.9%
- Sales and office occupations, 18.5%
- Service occupations, 7.9%

When grouped by industry, the three largest shares of the municipal labor force worked in:

- Educational services, health care and social assistance, 35.9%
- Professional, scientific, and management, and administrative and waste management services, 14.0%
- Retail trade, 9.8%

Income

During 2006-2010, the median household income in Highland Park Borough was \$78,821, while the average household income was \$98,329. On a per capita basis, individual income was \$41,300, while 8.9% of the population was living below the poverty level.

Income QuickFacts	Highland Park	Middlesex County	New Jersey
Per capita money income in past 12 months (2010 dollars) 2006-2010	\$41,300	\$33,289	\$34,858
Median household income, (2010 dollars) 2006-2010	\$78,821	\$77,615	\$69,811
Persons below poverty level, percent, 2006-2010	8.9%	7.4%	9.1%

Source: 2006-2010 American Community Survey

Businesses

Business data is drawn from two datasets produced by the US Census Bureau. The Economic Census, published every 5 years and last released in 2007, is based on a pure population count, similar to the decennial census. It provides information about the size and number of firms, broken out by industry sector. The Survey of Business Owners, published every 5 years and last released in 2007, is based on statistical methodologies and random sampling. It provides information about the number, size and payroll of firms, broken out by sector, gender, ethnicity, race and veteran status.

Business QuickFacts	Highland Park	Middlesex County	New Jersey
Total number of firms, 2007	311	19,056	199,359
Total number of employees, 2007	1,679	404,252	3,631,658
Manufacturers' shipments, 2007 (\$1000)	N/A	12,207,299	116,608,094
Merchant wholesaler sales, 2007 (\$1000)	\$2,109	\$32,631,795	\$233,413,004
Retail sales, 2007 (\$1000)	\$86,807	\$11,131,032	\$124,813,580
Retail sales per capita, 2007	\$6,177	\$14,274	\$14,453
Accommodation and food services sales, 2007 (\$1000)	\$9,826	\$1,275,068	\$19,993,613
Accommodation and food services sales per capita, 2007	\$699	\$1,635	\$2,315

Source(s): 2007 Economic Census, 2007 Survey of Business Owners

Construction

The New Jersey Department of Community Affairs publishes construction statistics based on certificates of occupancy, issued by local construction officials and reported to the state. During 2001-2010, Highland Park accounted for 0.7% of residential COs in Middlesex County, and 0.3% of nonresidential square footage.

Construction QuickFacts	Highland Park	Middlesex County	New Jersey
Residential COs for housing units, 2001-2010	144	19,637	241,645
Residential COs, Units, Municipal Ranking in Middlesex County, 2001-2010	19	N/A	N/A
Nonresidential COs, total square feet of floor area, 2001-2010	222,498	69,483,581	452,960,897
Nonresidential COs, Sq. Ft., Municipal Ranking in Middlesex County, 2001-2010	18	N/A	N/A

Source(s): 2001-2010 NJ Department of Community Affairs Construction Reporter

Work Travel Behavior and Employment Characteristics

Commute Shed

From 2006-2010, an average of 5,412 covered jobs were held by Highland Park residents, while a total of 288 residents held covered jobs located in Highland Park. A narrow majority of residents were employed outside Middlesex County, with the largest share of outbound commuters travelling to Somerset County. At the municipality level, the largest share of resident commuters travel to New Brunswick, while the second largest share commutes to Edison.

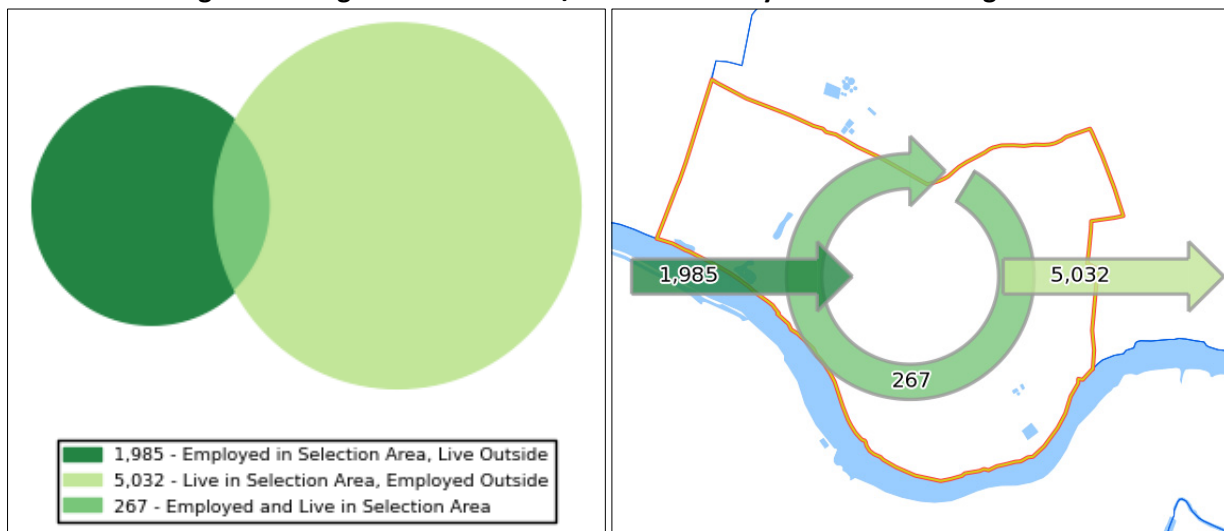
<i>Labor Force: Where Residents are Employed</i>	Number	Percent
Total Primary Jobs, 2006-2010 average	5,412	--
Top-5 Destinations by Municipality		
New Brunswick City, NJ	663	12.3%
Edison Township, NJ	438	8.1%
Piscataway Township, NJ	301	5.6%
Highland Park Borough, NJ	288	5.3%
Manhattan Borough, NY	211	3.9%
Top-5 Destinations by County		
Middlesex County, NJ	2,590	47.9%
Somerset County, NJ	513	9.5%
Union County, NJ	324	6.0%
Essex County, NJ	269	5.0%
Mercer County, NJ	240	4.4%

Labor Shed

An average of 2,417 people had primary covered employment in Highland Park during the 2006-2010 period. More than half of these people lived in Middlesex County, with the next largest share coming from Somerset County. The largest municipal share outside of Highland Park itself came from Edison Township, followed by East Brunswick Township.

<i>Workforce: Where Employees Reside</i>	Number	Percent
Total Primary Jobs, 2006-2010 average	2,417	--
Top-5 Origins by Municipality		
Highland Park Borough, NJ	288	11.9%
Edison Township, NJ	221	3.1%
East Brunswick Township, NJ	93	3.8%
North Brunswick Township, NJ	90	3.7%
Franklin Township, NJ	87	3.6%
Top-5 Origins by County		
Middlesex County, NJ	1,266	52.4%
Somerset County, NJ	226	9.4%
Monmouth County, NJ	164	6.8%
Union County, NJ	115	4.8%
Mercer County, NJ	76	3.1%

Figure 7-1: Highland Park Inflow/Outflow Primary Job Counts during 2010



Source: US Census Bureau, Longitudinal Employer-Household Dynamics (LEHD)

Journey-to-Work

During the 2006-2010 period, a majority of people commuting from Highland Park (67.2%) drove to work in cars occupied solely by the driver. This was true for both commuters within Middlesex County, as well as commuters that left the county, but remained in-state.

Commuting QuickFacts	Highland Park	Middlesex County	New Jersey
Mean travel time to work (minutes), workers age 16+, 2006-2010	30.3	31.7	29.8
Drove alone to work, percent of workers, 2006-2010	67.2%	73.1%	71.6%
Public transportation to work, percent of workers, 2006-2010	13.4%	9.8%	10.6%

Source: 2006-2010 American Community Survey

A majority of people commuting out-of-state used public transit to reach their destination, while 4.6% of all commuters walked to work. An additional 3.5% worked from home, and therefore did not have a significant impact on the morning or evening rush hours.

Means of Commuting	All Places of Work		In-state, In-county		In-state, Out-of-county		Out-of-State	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Drove Alone	4,758	67.2%	3,165	71.2%	1,367	72.3%	226	30.4%
Carpooled	643	9.1%	449	10.1%	183	9.7%	11	1.5%
Public Transit	950	13.4%	206	4.6%	273	14.4%	471	63.4%
Taxi, Motorcycle, Bicycle, or Other	154	2.2%	111	2.5%	43	2.3%	0	0.0%
Walked	324	4.6%	265	6.0%	24	1.3%	35	4.7%
Worked from Home	249	3.5%	249	5.6%	--	--	--	--
Total	7,078	100.0%	4,445	100.0%	1,890	100.0%	743	100.0%

Source: 2006-2010 American Community Survey

Transportation Planning Documents

Highland Park most recently updated their Master Plan in May of 2003, at which time the circulation element was also updated. The following potential improvements were included in the Highland Park Borough Master Plan:

Table 7-1 Highland Park Roadway Recommendations

Jurisdiction	Type	Location	Description	Status
State	Study Required	Raritan Avenue (east of Sixth Avenue)	Change Lane Sizes/Quantity	
	Reconfiguration	Cedar Lane	Change Lane Sizes/Quantity	
	Realignment	River Road	Change at Amtrak overpass	
Local	Pedestrian	North 4th Avenue/Madison Avenue - Cleveland Avenue - River Road	Traffic Calming	
Local	Pedestrian	Harrison Avenue (Between Second Avenue and Madison Avenue)	Traffic Calming	
Local	Pedestrian	Woodbridge Avenue (at Irving Primary School)	Traffic Calming	
	Pedestrian	Raritan Avenue	Install "Turning Vehicles Yield to Pedestrians" signs	
	Pedestrian	Raritan Avenue	Curb Extensions	
	Traffic Control	Raritan Avenue	Install pedestal mounted traffic signals where missing	

Table 7-2 Highland Park Intersection Recommendations

Jurisdiction	Type	Location	Description	Status
County/Local	Study Required	Cedar Lane/River Road		
Local	Traffic Control	Parker Street/Alcazar Street	Stop/Yield Sign	
Local	Traffic Control	Parker Street/Exeter Street	Stop/Yield Sign	
	Traffic Control	Woodbridge Avenue/Duclos Lane	Signalization/Traffic Calming	
	Pedestrian	Raritan Avenue and River Road	Install signal heads east of eastbound stop bar of Raritan Ave.	

Table 7-3 Highland Park Bicycle/Pedestrian Recommendations

Jurisdiction	Type	Location	Description	Status
	Pedestrian	Raritan Avenue	Review need for midblock crosswalks	
	Pedestrian	River Road	Install pedestrian-actuated crossing signage	

Table 7-4 Highland Park Public Transit Recommendations

Jurisdiction	Type	Location	Description	Status
	New Construction	Main Street (Village Center)	Busway Construction	

Table 7-5 Highland Park Miscellaneous Recommendations

Type	Description	Status
	Reduce SL on Raritan between 8th and 10th	
	Reduce SL on Raritan in CBD from 30 to 25	
	Reduce SL on Upper Raritan from 40 to 35	
	Mark "No Parking" areas consistently throughout the Borough	
	Encourage lined driveways/parking areas	
	Install signs to encourage use of Borough-owned public parking	
Bike/Ped	Consider traffic calming measures on residential blocks	
Bike/Ped	Install handicapped-accessible curb ramps	
Bike/Ped	Install pedestrian indications at traffic signals	
Bike/Ped	Install longitudinal crosswalk markings	
Bike/Ped	Install bike route signage	
Bike/Ped	Install bike racks	
Bike/Ped	Improve CBD Streetscape	
Bus/Rail	Install bus shelters at intersection of Raritan Ave and Woodbridge Ave., Fourth Ave.	

8. Jamesburg Borough

Background

Jamesburg Borough is a municipality located in southern Middlesex County. It was formed from portions of Monroe Township, based on the results of an 1887 public referendum. European settlement in the area dates to the late 1600s, when agriculture and raw goods processing formed the core of the community. While industry and agriculture have played major roles over the years, the town is today primarily residential. The borough has a total land area of 0.9 square miles, and is completely surrounded by Monroe Township.

Geography QuickFacts	Jamesburg	Middlesex County	New Jersey
Land area in square miles, 2010	0.9	308.9	7,354.2
Persons per square mile of land area, 2010	6,741.8	2,621.6	1,195.5
Population density, municipal ranking in Middlesex County, 2010	5	N/A	N/A
Housing units per square mile of land area, 2010	2,583.9	954.3	483.2
Housing unit density, municipal ranking in Middlesex County, 2010	4	N/A	N/A
Water area in square miles, 2010	0.0	13.9	1,368.4
Total area in square miles, 2010	0.9	322.8	8,722.6

Source: 2010 Decennial Census

Population, Housing and Households

Population

During the 2010 Census, Jamesburg Borough had a population of 5,915. Average data for the 2006-2010 period comes from the American Community Survey 5-year estimates.

Population QuickFacts	Jamesburg	Middlesex County	New Jersey
Population, 2011 estimate	5,948	814,217	8,821,155
Population, 2010	5,915	809,858	8,791,894
Population change, 2000 to 2010	- 110	+ 59,696	+ 377,544
Population, percent change, 2000 to 2010	- 1.8%	+ 8.0%	+ 4.5%
Population, 2000	6,025	750,162	8,414,350
Persons under 5 years, percent, 2010	8.5%	6.2%	6.2%
Persons under 18 years, percent, 2010	25.3%	22.9%	23.5%
Persons 65 years and over, percent, 2010	8.5%	12.3%	13.5%
Median age of population, 2010	35.9	37.2	39.0
Living in same house 1 year & over, 2006-2010	91.6%	88.3%	89.4%
Foreign born persons, percent, 2006-2010	17.6%	29.4%	20.3%
Language other than English spoken at home, pct age 5+, 2006-2010	19.1%	39.5%	28.7%
High school graduates, percent of persons age 25+, 2006-2010	84.5%	88.0%	87.3%
Bachelor's degree or higher, pct of persons age 25+, 2006-2010	24.7%	38.4%	34.6%

Source(s): 2010 Decennial Census, 2006-2010 American Community Survey

Housing

The same census indicated that there were 2,267 housing units in Jamesburg Borough. Of these houses, 45.1% were built in 1970 or later, and 13.7% were built in 1990 or later. The median home value was \$312,700, and 78.8% of housing units had a mortgage.

Housing QuickFacts	Jamesburg	Middlesex County	New Jersey
Housing units, 2010	2,267	294,800	3,553,562
Housing units change, 2000 to 2010	+ 27	+ 21,163	+ 243,287
Housing units, percent change, 2000 to 2010	+ 1.2%	+ 7.7%	+ 7.3%
Housing units, 2000	2,240	273,637	3,310,275
Homeownership rate, 2006-2010	62.4%	67.0%	66.9%
Housing units in multi-unit structures, percent, 2006-2010	37.1%	34.4%	35.9%
Median value of owner-occupied housing units, 2006-2010	\$312,700	\$356,000	\$357,000
Occupied housing units with no vehicle available, percent, 2006-2010	8.9%	8.3%	11.7%
Average number of vehicles per occupied housing unit, 2006-2010	1.6	1.8	1.7

Source(s): 2010 Decennial Census, 2006-2010 American Community Survey

Households

Census defines a household as the group of people occupying distinct living quarters. This group lives and eats separately from other persons, and must have direct access to their housing unit from outside or a common hall.

Household QuickFacts	Jamesburg	Middlesex County	New Jersey
Households, 2006-2010	2,307	277,398	3,176,069
Persons per household, 2006-2010	2.45	2.78	2.69

Source: 2006-2010 American Community Survey

Economic Characteristics

Occupations and Industries of Residents (Labor Force)

During 2006-2010, of the 4,551 individuals age 16 and over, 67.1% were in the labor force. Based on data from the American Community Survey, the three largest professions were:

- Management, business, science and arts occupations, 28.8%
- Sales and office occupations, 24.7%
- Production, transportation, and material moving occupations, 18.7%

When grouped by industry, the three largest shares of the municipal labor force worked in:

- Educational services, health care and social assistance, 15%
- Manufacturing, 14.6%
- Retail trade, 13.2%

Income

During 2006-2010, the median household income in Jamesburg Borough was \$52,169, while the average household income was \$71,211. On a per capita basis, individual income was \$28,668, while 8.1% of the population was living below the poverty level.

Income QuickFacts	Jamesburg	Middlesex County	New Jersey
Per capita money income in past 12 months (2010 dollars) 2006-2010	\$28,668	\$33,289	\$34,858
Median household income, (2010 dollars) 2006-2010	\$52,169	\$77,615	\$69,811
Persons below poverty level, percent, 2006-2010	8.1%	7.4%	9.1%

Source: 2006-2010 American Community Survey

Businesses

Business data is drawn from two datasets produced by the US Census Bureau. The Economic Census, published every 5 years and last released in 2007, is based on a pure population count, similar to the decennial census. It provides information about the size and number of firms, broken out by industry sector. The Survey of Business Owners, published every 5 years and last released in 2007, is based on statistical methodologies and random sampling. It provides information about the number, size and payroll of firms, broken out by sector, gender, ethnicity, race and veteran status.

Business QuickFacts	Jamesburg	Middlesex County	New Jersey
Total number of firms, 2007	126	19,056	199,359
Total number of employees, 2007	910	404,252	3,631,658
Manufacturers' shipments, 2007 (\$1000)	N/A	12,207,299	116,608,094
Merchant wholesaler sales, 2007 (\$1000)	\$10,860	\$32,631,795	\$233,413,004
Retail sales, 2007 (\$1000)	\$44,657	\$11,131,032	\$124,813,580
Retail sales per capita, 2007	\$7,067	\$14,274	\$14,453
Accommodation and food services sales, 2007 (\$1000)	\$7,496	\$1,275,068	\$19,993,613
Accommodation and food services sales per capita, 2007	\$1,186	\$1,635	\$2,315

Source(s): 2007 Economic Census, 2007 Survey of Business Owners

Construction

The New Jersey Department of Community Affairs publishes construction statistics based on certificates of occupancy, issued by local construction officials and reported to the state. During 2001-2010, Jamesburg accounted for 0.3% of residential COs in Middlesex County, and 0.05% of nonresidential square footage.

Construction QuickFacts	Jamesburg	Middlesex County	New Jersey
Residential COs for housing units, 2001-2010	61	19,637	241,645
Residential COs, Units, Municipal Ranking in Middlesex County, 2001-2010	23	N/A	N/A
Nonresidential COs, total square feet of floor area, 2001-2010	33,036	69,483,581	452,960,897
Nonresidential COs, Sq. Ft., Municipal Ranking in Middlesex County, 2001-2010	23	N/A	N/A

Source(s): 2001-2010 NJ Department of Community Affairs Construction Reporter

Work Travel Behavior and Employment Characteristics

Commute Shed

From 2006-2010, an average of 3,076 covered jobs were held by Jamesburg residents, while a total of 231 residents held covered jobs located in Jamesburg. A narrow majority of residents were employed outside Middlesex County, with the largest share of those commuters travelling to Monmouth County. At the municipality level, the largest share of resident commuters stay within Jamesburg, with the second largest share travelling to South Brunswick.

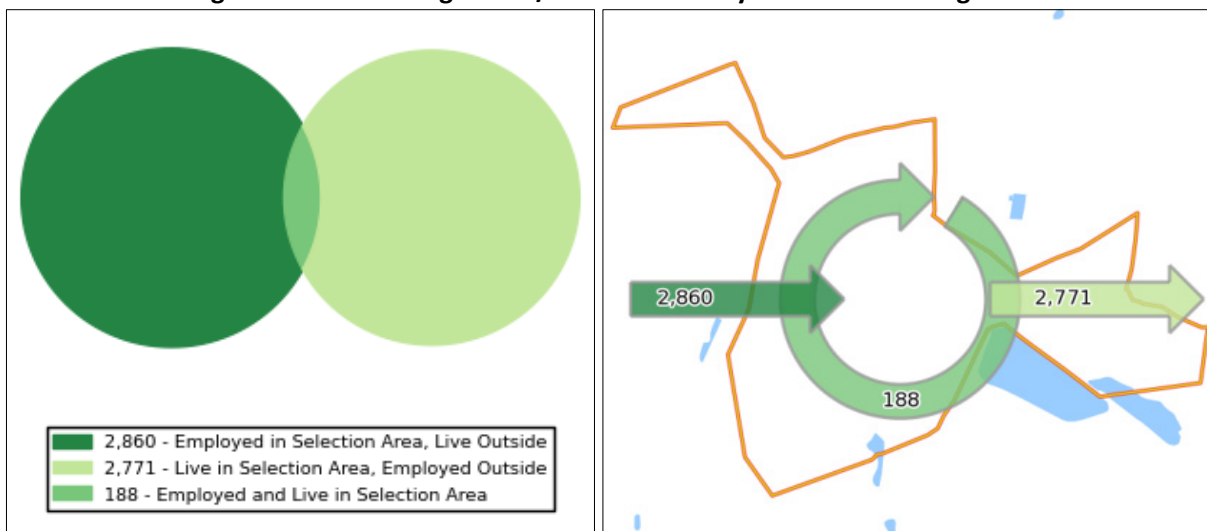
<i>Labor Force: Where Residents are Employed</i>	Number	Percent
Total Primary Jobs, 2006-2010 average	3,076	--
Top-5 Destinations by Municipality		
Jamesburg Borough, NJ	231	7.5%
South Brunswick Township, NJ	204	6.6%
Manhattan Borough, NY	187	6.1%
Monroe Township, NJ	165	5.4%
New Brunswick City, NJ	127	4.1%
Top-5 Destinations by County		
Middlesex County, NJ	1,486	48.3%
Monmouth County, NJ	198	6.4%
New York County, NY	187	6.1%
Mercer County, NJ	181	5.9%
Union County, NJ	162	5.3%

Labor Shed

An average of 3,046 people had primary covered employment in Jamesburg Borough during the 2006-2010 period. More than half of these people lived in Middlesex County, with the next largest share coming from Mercer County. The largest municipal share came from Monroe Township, with the second largest from within Jamesburg itself, followed by East Windsor Township in neighboring Mercer County.

<i>Workforce: Where Employees Reside</i>	Number	Percent
Total Primary Jobs, 2006-2010 average	3,046	--
Top-5 Origins by Municipality		
Monroe Township, NJ	347	11.4%
Jamesburg Borough, NJ	231	7.6%
East Windsor Township, NJ	196	6.4%
North Brunswick Township, NJ	124	4.1%
South Brunswick Township, NJ	96	3.2%
Top-5 Origins by County		
Middlesex County, NJ	1,624	53.3%
Mercer County, NJ	423	13.9%
Monmouth County, NJ	249	8.2%
Ocean County, NJ	121	4.0%
Somerset County, NJ	118	3.9%

Figure 8-1: Jamesburg Inflow/Outflow Primary Job Counts during 2010



Source: US Census Bureau, Longitudinal Employer-Household Dynamics (LEHD)

Journey-to-Work

During the 2006-2010 period, the overwhelming majority of people commuting from Jamesburg (82.4%) drove to work in cars occupied solely by the driver. This was true for both commuters within Middlesex County, as well as commuters that left the county, but remained in-state.

Commuting QuickFacts	Jamesburg	Middlesex County	New Jersey
Mean travel time to work (minutes), workers age 16+, 2006-2010	27.0	31.7	29.8
Drove alone to work, percent of workers, 2006-2010	82.4%	73.1%	71.6%
Public transportation to work, percent of workers, 2006-2010	2.9%	9.8%	10.6%

Source: 2006-2010 American Community Survey

A majority of people commuting out-of-state used public transit to reach their destination, while 5.6% of all commuters walked to work. An additional 1.9% worked from home, and therefore did not have a significant impact on the morning or evening rush hours.

Means of Commuting	All Places of Work		In-state, In-county		In-state, Out-of-county		Out-of-State	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Drove Alone	2,220	82.4%	1,497	83.0%	664	90.0%	59	38.6%
Carpooled	196	7.3%	126	7.0%	54	7.3%	16	10.5%
Public Transit	78	2.9%	0	0.0%	0	0.0%	78	51.0%
Taxi, Motorcycle, Bicycle, or Other	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Walked	151	5.6%	131	7.3%	20	2.7%	0	0.0%
Worked from Home	50	1.9%	50	2.8%	--	--	--	--
Total	2,695	100.0%	1,804	100.0%	738	100.0%	153	100.0%

Source: 2006-2010 American Community Survey

Transportation Planning Documents

Jamesburg most recently updated their Master Plan in October of 2002, at which time the circulation element was also updated. The most recent reexamination report is from January of 2010. The following potential improvements were included in the Jamesburg Borough Master Plan:

Table 8-1 Jamesburg Roadway Recommendations

Jurisdiction	Type	Location	Description	Status
County/Local	Expansion	Forge Street	Widen to uniform width of 43 feet	
Local	Reconfiguration	East of Railroad ROW between Warren St. and Vine St.	Possibly implement one-way circulation system	
County/Local	Realignment	Forsgate Drive	Realign away from Manalapan Lake	

Table 8-2 Jamesburg Intersection Recommendations

Jurisdiction	Type	Location	Description	Status
County/Local	Realignment	Forsgate Drive/Pergola Avenue	Create Intersection	
County/Local	Traffic Control	Gatzmer Ave./Willow St./Forsgate Dr./Perrineville Rd.	Signalization	
County/Local	Traffic Control	Lincoln Ave./E. RR Ave. - Jamesburg Half Acre Rd./Gatzmer Ave.	Signalization	
Local	Traffic Control	Lower Church Street/East Railroad Avenue	Signalization	
County/Local	Reconfiguration	East Railroad Avenue/Buckelew Avenue	Intersection Improvements	

Table 8-3 Jamesburg Bicycle/Pedestrian Recommendations

Jurisdiction	Type	Location	Description	Status
	Pedestrian	Half Acre Road between Forsgate Drive and Gatzmer Avenue	Curb and Sidewalk (both sides)	
County/Local	Pedestrian	Pergola Avenue between Buckelew Avenue and Forge Street	Curb and Sidewalk (both sides)	
	Pedestrian	Gatzmer Ave. between Bordentown South-Amboy Tpke Rd. and Mott Ave.	Curb and Sidewalk (both sides)	
	Pedestrian	Lincoln Ave. between Stockton Ave. and Augusta St.	Curb and Sidewalk (both sides)	

Table 8-4 Jamesburg Parking Recommendations

Jurisdiction	Type	Location	Description	Status
	Reconfiguration	West Railroad Avenue	Install angled parking	

Table 8-5 Jamesburg Miscellaneous Recommendations

Type	Description	Status
Bus/Rail	Determine feasibility of local bus service, Park-n-ride shuttle service	
Bus/Rail	Identify acceptable bus stop/shelter locations	
	Restrict Parking near intersections with severe congestion	
	Develop off-street parking facilities in CBD	
	Work with county on drainage, curbing, sidewalk and signalization timing	
Bike/Ped	Study need for more crosswalks, increased pedestrian signage	
Bike/Ped	Apply traffic calming measures throughout borough	

9. Metuchen Borough

Background

Metuchen Borough is a municipality located in northern Middlesex County. It was incorporated by the state legislature in 1900, with land taken from Edison Township (then Raritan Township). Growth in the area was driven by the 1836 completion of the United New Jersey Railroad, the predecessor to the modern Northeast Corridor. While the downtown area would continue to grow, by 1900, the community was a major commuting suburb for New York workers. The borough has a total land area of 2.8 square miles, and is completely surrounded by Edison Township.

Geography QuickFacts	Metuchen	Middlesex County	New Jersey
Land area in square miles, 2010	2.8	308.9	7,354.2
Persons per square mile of land area, 2010	4,910.4	2,621.6	1,195.5
Population density, municipal ranking in Middlesex County, 2010	9	N/A	N/A
Housing units per square mile of land area, 2010	1,967.9	954.3	483.2
Housing unit density, municipal ranking in Middlesex County, 2010	8	N/A	N/A
Water area in square miles, 2010	0.0	13.9	1,368.4
Total area in square miles, 2010	2.8	322.8	8,722.6

Source: 2010 Decennial Census

Population, Housing and Households

Population

During the 2010 Census, Metuchen Borough had a population of 13,574. Average data for the 2006-2010 period comes from the American Community Survey 5-year estimates.

Population QuickFacts	Metuchen	Middlesex County	New Jersey
Population, 2011 estimate	13,648	814,217	8,821,155
Population, 2010	13,574	809,858	8,791,894
Population change, 2000 to 2010	+ 734	+ 59,696	+ 377,544
Population, percent change, 2000 to 2010	+ 5.7%	+ 8.0%	+ 4.5%
Population, 2000	12,840	750,162	8,414,350
Persons under 5 years, percent, 2010	6.4%	6.2%	6.2%
Persons under 18 years, percent, 2010	24.2%	22.9%	23.5%
Persons 65 years and over, percent, 2010	13.8%	12.3%	13.5%
Median age of population, 2010	41.1	37.2	39.0
Living in same house 1 year & over, 2006-2010	92.0%	88.3%	89.4%
Foreign born persons, percent, 2006-2010	16.3%	29.4%	20.3%
Language other than English spoken at home, pct age 5+, 2006-2010	18.9%	39.5%	28.7%
High school graduates, percent of persons age 25+, 2006-2010	96.0%	88.0%	87.3%
Bachelor's degree or higher, pct of persons age 25+, 2006-2010	56.1%	38.4%	34.6%

Source(s): 2010 Decennial Census, 2006-2010 American Community Survey

Housing

The same census indicated that there were 5,440 housing units in Metuchen Borough. Of these houses, 26.0% were built in 1970 or later, and 15.3% were built in 1990 or later. The median home value was \$402,900, and 68.5% of housing units had a mortgage.

Housing QuickFacts	Metuchen	Middlesex County	New Jersey
Housing units, 2010	5,440	294,800	3,553,562
Housing units change, 2000 to 2010	+ 336	+ 21,163	+ 243,287
Housing units, percent change, 2000 to 2010	+ 6.6%	+ 7.7%	+ 7.3%
Housing units, 2000	5,104	273,637	3,310,275
Homeownership rate, 2006-2010	81.9%	67.0%	66.9%
Housing units in multi-unit structures, percent, 2006-2010	20.8%	34.4%	35.9%
Median value of owner-occupied housing units, 2006-2010	\$402,900	\$356,000	\$357,000
Occupied housing units with no vehicle available, percent, 2006-2010	3.7%	8.3%	11.7%
Average number of vehicles per occupied housing unit, 2006-2010	1.8	1.8	1.7

Source(s): 2010 Decennial Census, 2006-2010 American Community Survey

Households

Census defines a household as the group of people occupying distinct living quarters. This group lives and eats separately from other persons, and must have direct access to their housing unit from outside or a common hall.

Household QuickFacts	Metuchen	Middlesex County	New Jersey
Households, 2006-2010	5,249	277,398	3,176,069
Persons per household, 2006-2010	2.56	2.78	2.69

Source: 2006-2010 American Community Survey

Economic Characteristics

Occupations and Industries of Residents (Labor Force)

During 2006-2010, of the 10,554 individuals age 16 and over, 70.4% were in the labor force. Based on data from the American Community Survey, the three largest professions were:

- Management, business, science and arts occupations, 59.3%
- Sales and office occupations, 24.2%
- Service occupations, 8%

When grouped by industry, the three largest shares of the municipal labor force worked in:

- Educational services, health care and social assistance, 24.7%
- Professional, scientific, management, administrative and waste management services, 14.8%
- Finance and insurance, and real estate and rental and leasing, 11.2%

Income

During 2006-2010, the median household income in Metuchen Borough was \$94,410, while the average household income was \$118,379. On a per capita basis, individual income was \$46,949, while 2.5% of the population was living below the poverty level.

Income QuickFacts	Metuchen	Middlesex County	New Jersey
Per capita money income in past 12 months (2010 dollars) 2006-2010	\$46,949	\$33,289	\$34,858
Median household income, (2010 dollars) 2006-2010	\$94,410	\$77,615	\$69,811
Persons below poverty level, percent, 2006-2010	2.5%	7.4%	9.1%

Source: 2006-2010 American Community Survey

Businesses

Business data is drawn from two datasets produced by the US Census Bureau. The Economic Census, published every 5 years and last released in 2007, is based on a pure population count, similar to the decennial census. It provides information about the size and number of firms, broken out by industry sector. The Survey of Business Owners, published every 5 years and last released in 2007, is based on statistical methodologies and random sampling. It provides information about the number, size and payroll of firms, broken out by sector, gender, ethnicity, race and veteran status.

Business QuickFacts	Metuchen	Middlesex County	New Jersey
Total number of firms, 2007	612	19,056	199,359
Total number of employees, 2007	4,266	404,252	3,631,658
Manufacturers' shipments, 2007 (\$1000)	101,804	12,207,299	116,608,094
Merchant wholesaler sales, 2007 (\$1000)	\$335,556	\$32,631,795	\$233,413,004
Retail sales, 2007 (\$1000)	\$89,506	\$11,131,032	\$124,813,580
Retail sales per capita, 2007	\$6,882	\$14,274	\$14,453
Accommodation and food services sales, 2007 (\$1000)	\$9,554	\$1,275,068	\$19,993,613
Accommodation and food services sales per capita, 2007	\$735	\$1,635	\$2,315

Source(s): 2007 Economic Census, 2007 Survey of Business Owners

Construction

Construction

The New Jersey Department of Community Affairs publishes construction statistics based on certificates of occupancy, issued by local construction officials and reported to the state. During 2001-2010, Metuchen accounted for 1.6% of residential COs in Middlesex County, and 0.8% of nonresidential square footage.

Construction QuickFacts	Metuchen	Middlesex County	New Jersey
Residential COs for housing units, 2001-2010	307	19,637	241,645
Residential COs, Units, Municipal Ranking in Middlesex County, 2001-2010	15	N/A	N/A
Nonresidential COs, total square feet of floor area, 2001-2010	574,372	69,483,581	452,960,897
Nonresidential COs, Sq. Ft., Municipal Ranking in Middlesex County, 2001-2010	16	N/A	N/A

Source(s): 2001-2010 NJ Department of Community Affairs Construction Reporter

Work Travel Behavior and Employment Characteristics

Commuter Shed

From 2006-2010, an average of 5,982 covered jobs were held by Metuchen residents, while a total of 592 residents held covered jobs located in Metuchen. The majority of residents were employed outside Middlesex County, with the largest share of those commuters travelling to Union County. At the municipality level, the largest share of resident commuters travel to surrounding Edison Township, with the second largest share staying in Metuchen.

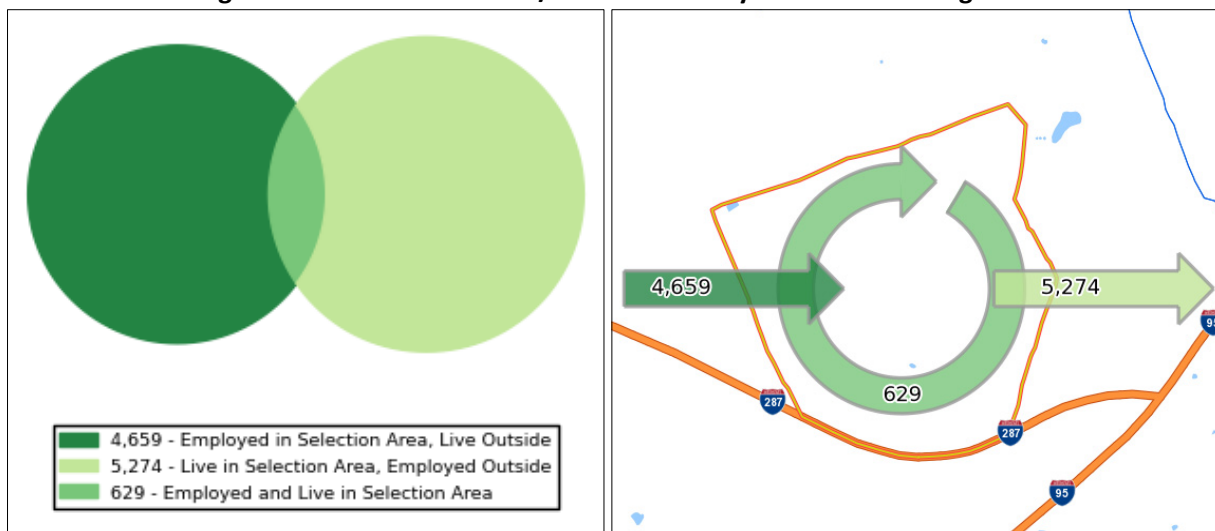
<i>Labor Force: Where Residents are Employed</i>	Number	Percent
Total Primary Jobs, 2006-2010 average	5,982	--
Top-5 Destinations by Municipality		
Edison Township, NJ	743	12.4%
Metuchen Borough, NJ	592	9.9%
Manhattan Borough, NY	439	7.3%
Woodbridge Township, NJ	253	4.2%
New Brunswick City, NJ	233	3.9%
Top-5 Destinations by County		
Middlesex County, NJ	2,692	45.0%
Union County, NJ	573	9.6%
Somerset County, NJ	457	7.6%
New York County, NY	439	7.3%
Essex County, NJ	323	5.4%

Labor Shed

An average of 5,321 people had primary covered employment in Metuchen Borough Township during the 2006-2010 period. More than half of these people lived in Middlesex County, with the next largest share coming from Union County. The largest municipal share came from Edison Township, with the second largest from within Metuchen itself, followed by Woodbridge Township.

<i>Workforce: Where Employees Reside</i>	Number	Percent
Total Primary Jobs, 2006-2010 average	5,321	--
Top-5 Origins by Municipality		
Edison Township, NJ	787	14.8%
Metuchen Borough, NJ	592	11.1%
Woodbridge Township, NJ	455	8.6%
Piscataway Township, NJ	135	2.5%
Perth Amboy City, NJ	113	2.1%
Top-5 Origins by County		
Middlesex County, NJ	2,940	55.3%
Union County, NJ	447	8.4%
Somerset County, NJ	294	5.5%
Monmouth County, NJ	285	5.4%
Essex County, NJ	182	3.4%

Figure 9-1: Metuchen Inflow/Outflow Primary Job Counts during 2010



Source: US Census Bureau, Longitudinal Employer-Household Dynamics (LEHD)

Journey-to-Work

During the 2006-2010 period, the overwhelming majority of people commuting from Metuchen (67.4%) drove to work in cars occupied solely by the driver. This was true for both commuters within Middlesex County, as well as commuters that left the county, but remained in-state.

Commuting QuickFacts	Metuchen	Middlesex County	New Jersey
Mean travel time to work (minutes), workers age 16+, 2006-2010	34.1	31.7	29.8
Drove alone to work, percent of workers, 2006-2010	67.4%	73.1%	71.6%
Public transportation to work, percent of workers, 2006-2010	20.3%	9.8%	10.6%

Source: 2006-2010 American Community Survey

A majority of people commuting out-of-state used public transit to reach their destination, while 2.4% of all commuters walked to work. An additional 4.0% worked from home, and therefore did not have a significant impact on the morning or evening rush hours.

Means of Commuting	All Places of Work		In-state, In-county		In-state, Out-of-county		Out-of-State	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Drove Alone	4,679	67.4%	3,034	78.1%	1,458	82.0%	187	14.7%
Carpooled	385	5.5%	287	7.4%	75	4.2%	23	1.8%
Public Transit	1,411	20.3%	128	3.3%	245	13.8%	1,038	81.5%
Taxi, Motorcycle, Bicycle, or Other	16	0.2%	16	0.4%	0	0.0%	0	0.0%
Walked	169	2.4%	143	3.7%	0	0.0%	26	2.0%
Worked from Home	278	4.0%	278	7.2%	--	--	--	--
Total	6,938	100.0%	3,886	100.0%	1,778	100.0%	1,274	100.0%

Source: 2006-2010 American Community Survey

Transportation Planning Documents

Metuchen most recently updated their Master Plan in July of 1988, at which time the circulation element was also updated. The most recent reexamination report is from July 2006. The following potential improvements were included in the Metuchen Borough Master Plan:

Table 9-1 Metuchen Roadway Recommendations

Jurisdiction	Type	Location	Description	Status
	Expansion	Bridge Street	Widen at Middlesex Avenue	
	New Construction	Middlesex Greenway between New Durham Road and Liberty Street industrial district	Limited access roadway, separated from bike path within Greenway corridor	
	Study Required	Rt. 27/CR 501 at Northeast Corridor	Alleviate traffic caused by funneling under rail lines	

Table 9-2 Metuchen Intersection Recommendations

Jurisdiction	Type	Location	Description	Status
State	New Construction	I-287/Rt. 27	Grade Separated Interchange for all directional movements	
County/Local	Traffic Control	Lake Avenue/New Street	Signalization	
	Reconfiguration	Middlesex Avenue/Bridge Street	Intersection Improvements	
	Reconfiguration		Reconfigure six three-way "T" intersections within 1,200' of one another	

Table 9-3 Metuchen Bicycle/Pedestrian Recommendations

Jurisdiction	Type	Location	Description	Status
	Pedestrian	Veterans Memorial Park, near Northeast Corridor	Construct trailhead and facilities for Middlesex County Greenway	

Table 9-4 Metuchen Parking Recommendations

Jurisdiction	Type	Location	Description	Status
	Reconfiguration	Central Business District	Street spaces for parallel parking	

Table 9-5 Metuchen Miscellaneous Recommendations

Type	Description	Status
	Redesign or change Signalization at key intersections to improve traffic flow	
Bike/Ped	Improve walkway/sidewalk connections	
Bike/Ped	Implement traffic calming measures	
Bike/Ped	Accept and implement recommendations of the Middlesex County Open Space and Recreation Master Plan	

10. Middlesex Borough

Background

Middlesex Borough is a municipality located in northern Middlesex County. Pursuant to a referendum earlier that year, it was incorporated as a borough by the state legislature in 1913, with land taken from Piscataway Township. The borough has a total land area of 3.5 square miles, and shares borders with Dunellen Borough and Piscataway Township in Middlesex County, and South Bound Brook, Bound Brook, Bridgewater Township and Green Brook Township in Somerset County.

Geography QuickFacts	Middlesex	Middlesex County	New Jersey
Land area in square miles, 2010	3.5	308.9	7,354.2
Persons per square mile of land area, 2010	3,876.2	2,621.6	1,195.5
Population density, municipal ranking in Middlesex County, 2010	12	N/A	N/A
Housing units per square mile of land area, 2010	1,463.5	954.3	483.2
Housing unit density, municipal ranking in Middlesex County, 2010	12	N/A	N/A
Water area in square miles, 2010	0.0	13.9	1,368.4
Total area in square miles, 2010	3.5	322.8	8,722.6

Source: 2010 Decennial Census

Population, Housing and Households

Population

During the 2010 Census, Middlesex Borough had a population of 13,635. Average data for the 2006-2010 period comes from the American Community Survey 5-year estimates.

Population QuickFacts	Middlesex	Middlesex County	New Jersey
Population, 2011 estimate	13,710	814,217	8,821,155
Population, 2010	13,635	809,858	8,791,894
Population change, 2000 to 2010	- 82	+ 59,696	+ 377,544
Population, percent change, 2000 to 2010	- 0.6%	+ 8.0%	+ 4.5%
Population, 2000	13,717	750,162	8,414,350
Persons under 5 years, percent, 2010	5.5%	6.2%	6.2%
Persons under 18 years, percent, 2010	22.5%	22.9%	23.5%
Persons 65 years and over, percent, 2010	13.8%	12.3%	13.5%
Median age of population, 2010	40.7	37.2	39.0
Living in same house 1 year & over, 2006-2010	91.2%	88.3%	89.4%
Foreign born persons, percent, 2006-2010	18.5%	29.4%	20.3%
Language other than English spoken at home, pct age 5+, 2006-2010	23.8%	39.5%	28.7%
High school graduates, percent of persons age 25+, 2006-2010	89.7%	88.0%	87.3%
Bachelor's degree or higher, pct of persons age 25+, 2006-2010	29.0%	38.4%	34.6%

Source(s): 2010 Decennial Census, 2006-2010 American Community Survey

Housing

The same census indicated that there were 5, 148 housing units in Middlesex Borough. Of these houses, 26.9% were built in 1970 or later, and 7.0% were built in 1990 or later. The median home value was \$346,000, and 71.9% of housing units had a mortgage.

Housing QuickFacts	Middlesex	Middlesex County	New Jersey
Housing units, 2010	5,148	294,800	3,553,562
Housing units change, 2000 to 2010	+ 18	+ 21,163	+ 243,287
Housing units, percent change, 2000 to 2010	+ 0.4%	+ 7.7%	+ 7.3%
Housing units, 2000	5,130	273,637	3,310,275
Homeownership rate, 2006-2010	76.6%	67.0%	66.9%
Housing units in multi-unit structures, percent, 2006-2010	18.5%	34.4%	35.9%
Median value of owner-occupied housing units, 2006-2010	\$346,000	\$356,000	\$357,000
Occupied housing units with no vehicle available, percent, 2006-2010	6.5%	8.3%	11.7%
Average number of vehicles per occupied housing unit, 2006-2010	1.9	1.8	1.7

Source(s): 2010 Decennial Census, 2006-2010 American Community Survey

Households

Census defines a household as the group of people occupying distinct living quarters. This group lives and eats separately from other persons, and must have direct access to their housing unit from outside or a common hall.

Household QuickFacts	Middlesex	Middlesex County	New Jersey
Households, 2006-2010	5,160	277,398	3,176,069
Persons per household, 2006-2010	2.64	2.78	2.69

Source: 2006-2010 American Community Survey

Economic Characteristics

Occupations and Industries of Residents (Labor Force)

During 2006-2010, of the 11,180 individuals age 16 and over, 66.8% were in the labor force. Based on data from the American Community Survey, the three largest professions were:

- Management, business, science and arts occupations, 38.6%
- Sales and office occupations, 30.2%
- Service occupations, 12.1%

When grouped by industry, the three largest shares of the municipal labor force worked in:

- Educational services, health care and social assistance, 17.0%
- Professional, scientific, management, administrative and waste management services, 15.0%
- Retail trade, 12.1%

Income

During 2006-2010, the median household income in Middlesex Borough was \$80,338, while the average household income was \$89,605. On a per capita basis, individual income was \$34,607, while 2.1% of the population was living below the poverty level.

Income QuickFacts	Middlesex	Middlesex County	New Jersey
Per capita money income in past 12 months (2010 dollars) 2006-2010	\$34,607	\$33,289	\$34,858
Median household income, (2010 dollars) 2006-2010	\$80,338	\$77,615	\$69,811
Persons below poverty level, percent, 2006-2010	2.1%	7.4%	9.1%

Source: 2006-2010 American Community Survey

Businesses

Business data is drawn from two datasets produced by the US Census Bureau. The Economic Census, published every 5 years and last released in 2007, is based on a pure population count, similar to the decennial census. It provides information about the size and number of firms, broken out by industry sector. The Survey of Business Owners, published every 5 years and last released in 2007, is based on statistical methodologies and random sampling. It provides information about the number, size and payroll of firms, broken out by sector, gender, ethnicity, race and veteran status.

Business QuickFacts	Middlesex	Middlesex County	New Jersey
Total number of firms, 2007	588	19,056	199,359
Total number of employees, 2007	5,685	404,252	3,631,658
Manufacturers' shipments, 2007 (\$1000)	300,318	12,207,299	116,608,094
Merchant wholesaler sales, 2007 (\$1000)	\$207,110	\$32,631,795	\$233,413,004
Retail sales, 2007 (\$1000)	\$124,683	\$11,131,032	\$124,813,580
Retail sales per capita, 2007	\$9,204	\$14,274	\$14,453
Accommodation and food services sales, 2007 (\$1000)	\$10,385	\$1,275,068	\$19,993,613
Accommodation and food services sales per capita, 2007	\$767	\$1,635	\$2,315

Source(s): 2007 Economic Census, 2007 Survey of Business Owners

Construction

The New Jersey Department of Community Affairs publishes construction statistics based on certificates of occupancy, issued by local construction officials and reported to the state. During 2001-2010, Middlesex accounted for 0.3% of residential COs in Middlesex County, and 0.1% of nonresidential square footage.

Construction QuickFacts	Middlesex	Middlesex County	New Jersey
Residential COs for housing units, 2001-2010	68	19,637	241,645
Residential COs, Units, Municipal Ranking in Middlesex County, 2001-2010	22	N/A	N/A
Nonresidential COs, total square feet of floor area, 2001-2010	92,616	69,483,581	452,960,897
Nonresidential COs, Sq. Ft., Municipal Ranking in Middlesex County, 2001-2010	21	N/A	N/A

Source(s): 2001-2010 NJ Department of Community Affairs Construction Reporter

Work Travel Behavior and Employment Characteristics

Commute Shed

From 2006-2010, an average of 6,545 covered jobs were held by Middlesex residents, while a total of 650 residents held covered jobs located in Middlesex. The majority of residents were employed outside Middlesex County, with the largest share of those commuters travelling to Somerset County. At the municipality level, the largest share of resident commuters stay within Middlesex Borough, with the second largest share travelling to Bridgewater Township.

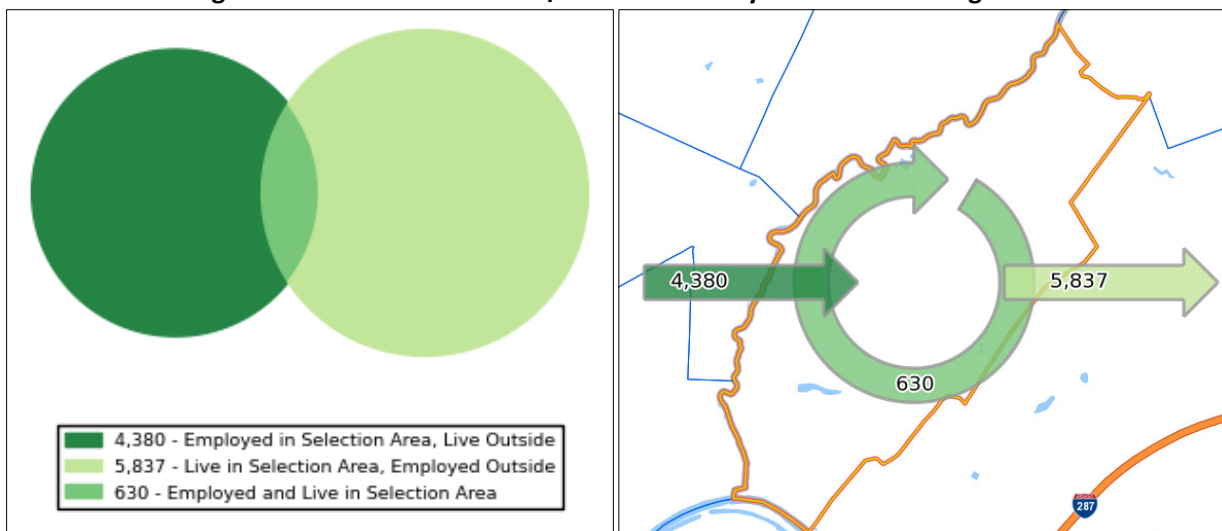
<i>Labor Force: Where Residents are Employed</i>	Number	Percent
Total Primary Jobs, 2006-2010 average	6,545	--
Top-5 Destinations by Municipality		
Middlesex Borough, NJ	650	9.9%
Bridgewater Township, NJ	385	5.9%
Piscataway Township, NJ	370	5.7%
Edison Township, NJ	272	4.2%
Franklin Township, NJ	261	4.0%
Top-5 Destinations by County		
Middlesex County, NJ	2,236	34.2%
Somerset County, NJ	1,814	27.7%
Union County, NJ	549	8.4%
Essex County, NJ	262	4.0%
Morris County, NJ	259	4.0%

Labor Shed

An average of 5,261 people had primary covered employment in Middlesex Borough during the 2006-2010 period. More than a third of these people lived in Middlesex County, with the next largest share coming from Somerset County. The largest municipal share outside of Middlesex Borough itself came from Piscataway Township, followed by Edison Township.

<i>Workforce: Where Employees Reside</i>	Number	Percent
Total Primary Jobs, 2006-2010 average	5,261	--
Top-5 Origins by Municipality		
Middlesex Borough, NJ	650	12.4%
Piscataway Township, NJ	361	6.9%
Edison Township, NJ	175	3.3%
Bridgewater Township, NJ	165	3.1%
Plainfield City, NJ	162	3.1%
Top-5 Origins by County		
Middlesex County, NJ	1,962	37.3%
Somerset County, NJ	954	18.1%
Union County, NJ	525	10.0%
Hunterdon County, NJ	259	4.9%
Monmouth County, NJ	188	3.6%

Figure 10-1: Middlesex Inflow/Outflow Primary Job Counts during 2010



Source: US Census Bureau, Longitudinal Employer-Household Dynamics (LEHD)

Journey-to-Work

During the 2006-2010 period, the overwhelming majority of people commuting from Middlesex (79.7%) drove to work in cars occupied solely by the driver. This was true for both commuters within Middlesex County, as well as commuters that left the county, but remained in-state.

Commuting QuickFacts	Middlesex	Middlesex County	New Jersey
Mean travel time to work (minutes), workers age 16+, 2006-2010	23.5	31.7	29.8
Drove alone to work, percent of workers, 2006-2010	79.7%	73.1%	71.6%
Public transportation to work, percent of workers, 2006-2010	5.2%	9.8%	10.6%

Source: 2006-2010 American Community Survey

A majority of people commuting out-of-state used public transit to reach their destination, while 3.4% of all commuters walked to work. An additional 4.1% worked from home, and therefore did not have a significant impact on the morning or evening rush hours.

Means of Commuting	All Places of Work		In-state, In-county		In-state, Out-of-county		Out-of-State	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Drove Alone	5,435	79.7%	2,091	73.4%	3,259	88.7%	85	28.6%
Carpooled	474	6.9%	232	8.1%	224	6.1%	18	6.1%
Public Transit	357	5.2%	15	0.5%	148	4.0%	194	65.3%
Taxi, Motorcycle, Bicycle, or Other	47	0.7%	29	1.0%	18	0.5%	0	0.0%
Walked	229	3.4%	203	7.1%	26	0.7%	0	0.0%
Worked from Home	280	4.1%	280	9.8%	--	--	--	--
Total	6,822	100.0%	2,850	100.0%	3,675	100.0%	297	100.0%

Source: 2006-2010 American Community Survey

Transportation Planning Documents

Middlesex Borough most recently updated their Master Plan in April 2000, at which time the circulation element was also updated. The most recent reexamination report is from June 2012. The following potential improvements were included in the Middlesex Borough reexamination report of 2012:

Table 10-1 Middlesex Roadway Recommendations

Jurisdiction	Type	Location	Description	Status
Local	New Construction	William Street	Extension of William St to Cedar Ave/Poosumtown Rd	
State	Reconfiguration	Bound Brook Rd/Union Ave (State Highway 28)	Develop new context sensitive roadway profiles based upon adjacent land uses and on-street parking needs	
Local	Traffic Control	Multiple (local streets)	Based on further investigation, consider the installation of traffic calming improvements on local streets (reexamination report lists specific local streets to consider)	

Table 10-2 Middlesex Intersection Recommendations

Jurisdiction	Type	Location	Description	Status
County	Traffic Control	Lincoln Boulevard and Mountain Avenue	Improve signal timing and coordination with rail crossing preemption device	
County	Study Required	Lincoln Boulevard and Cedar Avenue	Investigate the cause of the high number of collisions at this intersection	
State	Study Required	Union Avenue and Hazelwood Avenue	Investigate the cause of the high number of collisions at this intersection	
State	Study Required	Union Avenue and Green Brook Rd	Investigate the cause of the high number of collisions at this intersection	
Local	Study Required	Roads adjacent to all public schools	Investigate ways to improve poor circulation and traffic safety during drop-off and pick-up times	

Table 10-3 Middlesex Bicycle/Pedestrian Recommendations

Jurisdiction	Type	Location	Description	Status
Local	Study Required	Multiple	Evaluate where gaps exist in the borough-wide system of sidewalks	

Table 10-4 Middlesex Parking Recommendations

Jurisdiction	Type	Location	Description	Status
Local	Miscellaneous	Multiple	Revise parking standards to permit a shared parking approach to mixed use development	

11. Milltown Borough

Background

Milltown Borough is a municipality located in central Middlesex County. Formed in 1889, the town was named for its gristmill – first built in the mid-1700s and rebuilt in 1812, and later reconstructed as a rubber factory. This factory would change ownership multiple times, becoming a Michelin Tire Co. plant in 1907, and reopening in multiple different incarnations post-1930. The borough has a total land area of 1.6 square miles, and shares borders with East Brunswick Township and North Brunswick Township.

Geography QuickFacts	Milltown	Middlesex County	New Jersey
Land area in square miles, 2010	1.6	308.9	7,354.2
Persons per square mile of land area, 2010	4,443.0	2,621.6	1,195.5
Population density, municipal ranking in Middlesex County, 2010	10	N/A	N/A
Housing units per square mile of land area, 2010	1,739.0	954.3	483.2
Housing unit density, municipal ranking in Middlesex County, 2010	10	N/A	N/A
Water area in square miles, 2010	0.0	13.9	1,368.4
Total area in square miles, 2010	1.6	322.8	8,722.6

Source: 2010 Decennial Census

Population, Housing and Households

Population

During the 2010 Census, Milltown Borough had a population of 6,893. Average data for the 2006-2010 period comes from the American Community Survey 5-year estimates.

Population QuickFacts	Milltown	Middlesex County	New Jersey
Population, 2011 estimate	6,932	814,217	8,821,155
Population, 2010	6,893	809,858	8,791,894
Population change, 2000 to 2010	- 107	+ 59,696	+ 377,544
Population, percent change, 2000 to 2010	- 1.5%	+ 8.0%	+ 4.5%
Population, 2000	7,000	750,162	8,414,350
Persons under 5 years, percent, 2010	5.8%	6.2%	6.2%
Persons under 18 years, percent, 2010	21.8%	22.9%	23.5%
Persons 65 years and over, percent, 2010	14.8%	12.3%	13.5%
Median age of population, 2010	41.6	37.2	39.0
Living in same house 1 year & over, 2006-2010	92.4%	88.3%	89.4%
Foreign born persons, percent, 2006-2010	9.5%	29.4%	20.3%
Language other than English spoken at home, pct age 5+, 2006-2010	13.3%	39.5%	28.7%
High school graduates, percent of persons age 25+, 2006-2010	95.3%	88.0%	87.3%
Bachelor's degree or higher, pct of persons age 25+, 2006-2010	31.5%	38.4%	34.6%

Source(s): 2010 Decennial Census, 2006-2010 American Community Survey

Housing

The same census indicated that there were 2,698 housing units in Milltown Borough. Of these houses, 24.8% were built in 1970 or later, and 2.3% were built in 1990 or later. The median home value was \$359,900, and 68.1% of housing units had a mortgage.

Housing QuickFacts	Milltown	Middlesex County	New Jersey
Housing units, 2010	2,698	294,800	3,553,562
Housing units change, 2000 to 2010	+ 28	+ 21,163	+ 243,287
Housing units, percent change, 2000 to 2010	+ 1.0%	+ 7.7%	+ 7.3%
Housing units, 2000	2,670	273,637	3,310,275
Homeownership rate, 2006-2010	80.8%	67.0%	66.9%
Housing units in multi-unit structures, percent, 2006-2010	20.0%	34.4%	35.9%
Median value of owner-occupied housing units, 2006-2010	\$359,900	\$356,000	\$357,000
Occupied housing units with no vehicle available, percent, 2006-2010	7.6%	8.3%	11.7%
Average number of vehicles per occupied housing unit, 2006-2010	2.0	1.8	1.7

Source(s): 2010 Decennial Census, 2006-2010 American Community Survey

Households

Census defines a household as the group of people occupying distinct living quarters. This group lives and eats separately from other persons, and must have direct access to their housing unit from outside or a common hall.

Household QuickFacts	Milltown	Middlesex County	New Jersey
Households, 2006-2010	2,458	277,398	3,176,069
Persons per household, 2006-2010	2.81	2.78	2.69

Source: 2006-2010 American Community Survey

Economic Characteristics

Occupations and Industries of Residents (Labor Force)

During 2006-2010, of the 5,673 individuals age 16 and over, 75.4% were in the labor force. Based on data from the American Community Survey, the three largest professions were:

- Management, business, science and arts occupations, 41.0%
- Sales and office occupations, 27.2%
- Service occupations, 18.0%

When grouped by industry, the three largest shares of the municipal labor force worked in:

- Educational services, health care and social assistance, 26.8%
- Arts, entertainment, and recreation, and accommodation and food services, 16.6%
- Manufacturing, 11.0%

Income

During 2006-2010, the median household income in Milltown Borough was \$89,457, while the average household income was \$91,757. On a per capita basis, individual income was \$33,472, while 3.0% of the population was living below the poverty level.

Income QuickFacts	Milltown	Middlesex County	New Jersey
Per capita money income in past 12 months (2010 dollars) 2006-2010	\$33,472	\$33,289	\$34,858
Median household income, (2010 dollars) 2006-2010	\$89,457	\$77,615	\$69,811
Persons below poverty level, percent, 2006-2010	3.0%	7.4%	9.1%

Source: 2006-2010 American Community Survey

Businesses

Business data is drawn from two datasets produced by the US Census Bureau. The Economic Census, published every 5 years and last released in 2007, is based on a pure population count, similar to the decennial census. It provides information about the size and number of firms, broken out by industry sector. The Survey of Business Owners, published every 5 years and last released in 2007, is based on statistical methodologies and random sampling. It provides information about the number, size and payroll of firms, broken out by sector, gender, ethnicity, race and veteran status.

Business QuickFacts	Milltown	Middlesex County	New Jersey
Total number of firms, 2007	129	19,056	199,359
Total number of employees, 2007	1,225	404,252	3,631,658
Manufacturers' shipments, 2007 (\$1000)	N/A	12,207,299	116,608,094
Merchant wholesaler sales, 2007 (\$1000)	\$2,702	\$32,631,795	\$233,413,004
Retail sales, 2007 (\$1000)	\$68,180	\$11,131,032	\$124,813,580
Retail sales per capita, 2007	\$9,851	\$14,274	\$14,453
Accommodation and food services sales, 2007 (\$1000)	\$10,709	\$1,275,068	\$19,993,613
Accommodation and food services sales per capita, 2007	\$1,547	\$1,635	\$2,315

Source(s): 2007 Economic Census, 2007 Survey of Business Owners

Construction

The New Jersey Department of Community Affairs publishes construction statistics based on certificates of occupancy, issued by local construction officials and reported to the state. During 2001-2010, Milltown accounted for 0.02% of residential COs in Middlesex County, and 0.05% of nonresidential square footage.

Construction QuickFacts	Milltown	Middlesex County	New Jersey
Residential COs for housing units, 2001-2010	4	19,637	241,645
Residential COs, Units, Municipal Ranking in Middlesex County, 2001-2010	25	N/A	N/A
Nonresidential COs, total square feet of floor area, 2001-2010	32,695	69,483,581	452,960,897
Nonresidential COs, Sq. Ft., Municipal Ranking in Middlesex County, 2001-2010	24	N/A	N/A

Source(s): 2001-2010 NJ Department of Community Affairs Construction Reporter

Work Travel Behavior and Employment Characteristics

Commute Shed

From 2006-2010, an average of 3,550 covered jobs were held by Milltown residents, while a total of 242 residents held covered jobs located in Milltown. The majority of residents were employed inside Middlesex County, with the largest share of outbound commuters travelling to Somerset County. At the municipality level, the largest share of resident commuters travel to New Brunswick, with the second largest share staying in Milltown.

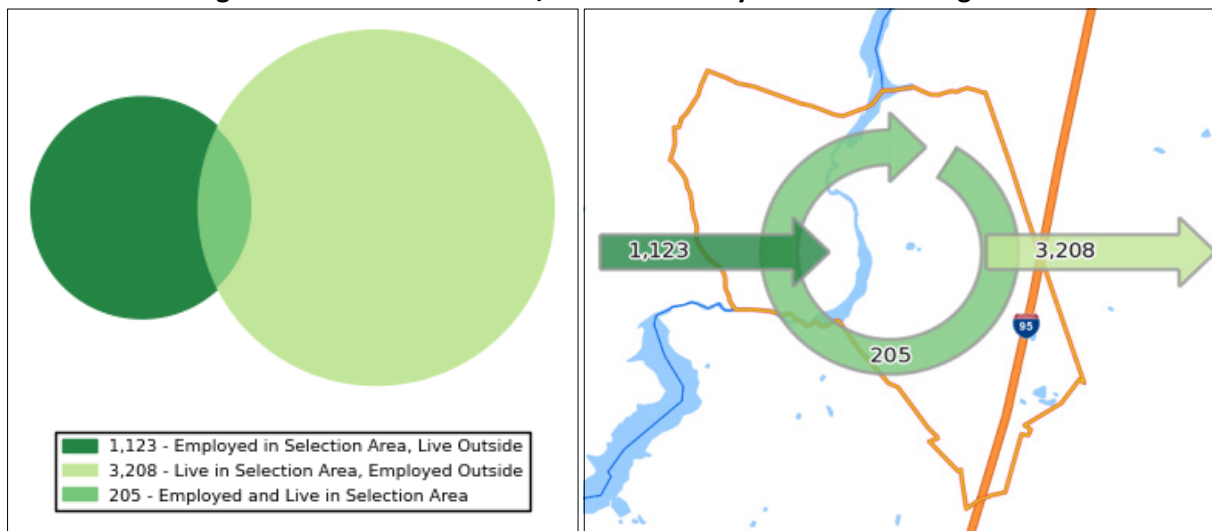
<i>Labor Force: Where Residents are Employed</i>	Number	Percent
Total Primary Jobs, 2006-2010 average	3,550	--
Top-5 Destinations by Municipality		
New Brunswick City, NJ	361	10.2%
Milltown Borough, NJ	242	6.8%
Manhattan Borough, NY	203	5.7%
North Brunswick Township, NJ	200	5.6%
East Brunswick Township, NJ	196	5.5%
Top-5 Destinations by County		
Middlesex County, NJ	1,822	51.3%
Somerset County, NJ	293	8.3%
Mercer County, NJ	222	6.3%
New York County, NY	203	5.7%
Union County, NJ	144	4.1%

Labor Shed

An average of 1,497 people had primary covered employment in Milltown Borough during the 2006-2010 period. Slightly less than half of these people lived in Middlesex County, with the next largest share coming from Monmouth County. The largest municipal share outside of Milltown Borough itself came from East Brunswick Township, followed by North Brunswick Township.

<i>Workforce: Where Employees Reside</i>	Number	Percent
Total Primary Jobs, 2006-2010 average	1,497	--
Top-5 Origins by Municipality		
Milltown Borough, NJ	242	16.2%
East Brunswick Township, NJ	71	4.7%
North Brunswick Township, NJ	49	3.3%
Sayreville Borough, NJ	40	2.7%
Old Bridge Township, NJ	37	2.5%
Top-5 Origins by County		
Middlesex County, NJ	747	49.9%
Monmouth County, NJ	118	7.9%
Somerset County, NJ	69	4.6%
Ocean County, NJ	63	4.2%
Mercer County, NJ	62	4.1%

Figure 11-1: Milltown Inflow/Outflow Primary Job Counts during 2010



Source: US Census Bureau, Longitudinal Employer-Household Dynamics (LEHD)

Journey-to-Work

During the 2006-2010 period, the overwhelming majority of people commuting from Milltown (82.2%) drove to work in cars occupied solely by the driver. This was true for both commuters within Middlesex County, as well as commuters that left the county, and that left the state.

Commuting QuickFacts	Milltown	Middlesex County	New Jersey
Mean travel time to work (minutes), workers age 16+, 2006-2010	24.9	31.7	29.8
Drove alone to work, percent of workers, 2006-2010	82.2%	73.1%	71.6%
Public transportation to work, percent of workers, 2006-2010	3.4%	9.8%	10.6%

Source: 2006-2010 American Community Survey

The second largest share of commuters leaving the state, 39.8%, used public transit to reach their destination, while 2.0% of all commuters walked to work. An additional 2.9% worked from home, and therefore did not have a significant impact on the morning or evening rush hours.

Means of Commuting	All Places of Work		In-state, In-county		In-state, Out-of-county		Out-of-State	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Drove Alone	3,190	82.2%	2,203	81.9%	847	91.1%	140	53.0%
Carpooled	331	8.5%	276	10.3%	55	5.9%	0	0.0%
Public Transit	133	3.4%	0	0.0%	28	3.0%	105	39.8%
Taxi, Motorcycle, Bicycle, or Other	41	1.1%	22	0.8%	0	0.0%	19	7.2%
Walked	76	2.0%	76	2.8%	0	0.0%	0	0.0%
Worked from Home	112	2.9%	112	4.2%	--	--	--	--
Total	3,883	100.0%	2,689	100.0%	930	100.0%	264	100.0%

Source: 2006-2010 American Community Survey

Transportation Planning Documents

The Borough of Milltown most recently updated their Master Plan in November 1998, which did not include a circulation element. The most recent reexamination report is from June 2009. The 2009 reexamination report did not include any recommendations for specific transportation or circulation improvement projects. The reexamination report did however include a recommendation that the Borough prepare a circulation element as part of the Borough's master plan to address transportation problem areas and greenways.

12. Monroe Township

Background

Monroe Township is a municipality located in southern Middlesex County. Founded in 1838, the township is named for the fifth President of the United States, James Monroe. While initially settled as a farming community, the 1968 opening of Exit 8A on the New Jersey Turnpike caused a major shift towards commercial and residential development, including an influx of age-restricted communities. The township has a total land area of 42 square miles, and shares borders with Cranbury Township, South Brunswick Township, East Brunswick Township, Helmetta Borough, Spotswood Borough and Old Bridge Township in Middlesex County, as well as Manalapan Township and Millstone in Monmouth County, and East Windsor Township in Mercer County. Monroe Township also completely surrounds Jamesburg Borough.

Geography QuickFacts	Monroe	Middlesex County	New Jersey
Land area in square miles, 2010	42.0	308.9	7,354.2
Persons per square mile of land area, 2010	932.3	2,621.6	1,195.5
Population density, municipal ranking in Middlesex County, 2010	24	N/A	N/A
Housing units per square mile of land area, 2010	428.9	954.3	483.2
Housing unit density, municipal ranking in Middlesex County, 2010	23	N/A	N/A
Water area in square miles, 2010	0.3	13.9	1,368.4
Total area in square miles, 2010	42.2	322.8	8,722.6

Source: 2010 Decennial Census

Population, Housing and Households

Population

During the 2010 Census, Monroe Township had a population of 39,132. Average data for the 2006-2010 period comes from the American Community Survey 5-year estimates.

Population QuickFacts	Monroe	Middlesex County	New Jersey
Population, 2011 estimate	39,345	814,217	8,821,155
Population, 2010	39,132	809,858	8,791,894
Population change, 2000 to 2010	+ 11,133	+ 59,696	+ 377,544
Population, percent change, 2000 to 2010	+ 39.8%	+ 8.0%	+ 4.5%
Population, 2000	27,999	750,162	8,414,350
Persons under 5 years, percent, 2010	4.2%	6.2%	6.2%
Persons under 18 years, percent, 2010	18.9%	22.9%	23.5%
Persons 65 years and over, percent, 2010	34.8%	12.3%	13.5%
Median age of population, 2010	53.2	37.2	39.0
Living in same house 1 year & over, 2006-2010	94.1%	88.3%	89.4%
Foreign born persons, percent, 2006-2010	14.8%	29.4%	20.3%
Language other than English spoken at home, pct age 5+, 2006-2010	19.5%	39.5%	28.7%
High school graduates, percent of persons age 25+, 2006-2010	92.1%	88.0%	87.3%
Bachelor's degree or higher, pct of persons age 25+, 2006-2010	37.9%	38.4%	34.6%

Source(s): 2010 Decennial Census, 2006-2010 American Community Survey

Housing

The same census indicated that there were 18,002 housing units in Monroe Township. Of these houses, 76.6% were built in 1970 or later, and 42.7% were built in 1990 or later. The median home value was \$347,300, and 52.7% of housing units had a mortgage.

Housing QuickFacts	Monroe	Middlesex County	New Jersey
Housing units, 2010	18,002	294,800	3,553,562
Housing units change, 2000 to 2010	+ 4,743	+ 21,163	+ 243,287
Housing units, percent change, 2000 to 2010	+ 35.8%	+ 7.7%	+ 7.3%
Housing units, 2000	13,259	273,637	3,310,275
Homeownership rate, 2006-2010	94.0%	67.0%	66.9%
Housing units in multi-unit structures, percent, 2006-2010	11.9%	34.4%	35.9%
Median value of owner-occupied housing units, 2006-2010	\$347,300	\$356,000	\$357,000
Occupied housing units with no vehicle available, percent, 2006-2010	6.2%	8.3%	11.7%
Average number of vehicles per occupied housing unit, 2006-2010	1.7	1.8	1.7

Source(s): 2010 Decennial Census, 2006-2010 American Community Survey

Households

Census defines a household as the group of people occupying distinct living quarters. This group lives and eats separately from other persons, and must have direct access to their housing unit from outside or a common hall.

Household QuickFacts	Monroe	Middlesex County	New Jersey
Households, 2006-2010	15,759	277,398	3,176,069
Persons per household, 2006-2010	2.31	2.78	2.69

Source: 2006-2010 American Community Survey

Economic Characteristics

Occupations and Industries of Residents (Labor Force)

During 2006-2010, of the 31,219 individuals age 16 and over, 48.4% were in the labor force. Based on data from the American Community Survey, the three largest professions were:

- Management, business, science and arts occupations, 43.9%
- Sales and office occupations, 34.7%
- Service occupations, 9.5%

When grouped by industry, the three largest shares of the municipal labor force worked in:

- Educational services, health care and social assistance, 20.8%
- Finance and insurance, and real estate and rental and leasing, 14.9%
- Professional, scientific, management, administrative and waste management services, 11.1%

Income

During 2006-2010, the median household income in Monroe Township was \$74,202, while the average household income was \$97,444. On a per capita basis, individual income was \$41,959, while 3.9% of the population was living below the poverty level.

Income QuickFacts	Monroe	Middlesex County	New Jersey
Per capita money income in past 12 months (2010 dollars) 2006-2010	\$41,959	\$33,289	\$34,858
Median household income, (2010 dollars) 2006-2010	\$74,202	\$77,615	\$69,811
Persons below poverty level, percent, 2006-2010	3.9%	7.4%	9.1%

Source: 2006-2010 American Community Survey

Businesses

Business data is drawn from two datasets produced by the US Census Bureau. The Economic Census, published every 5 years and last released in 2007, is based on a pure population count, similar to the decennial census. It provides information about the size and number of firms, broken out by industry sector. The Survey of Business Owners, published every 5 years and last released in 2007, is based on statistical methodologies and random sampling. It provides information about the number, size and payroll of firms, broken out by sector, gender, ethnicity, race and veteran status.

Business QuickFacts	Monroe	Middlesex County	New Jersey
Total number of firms, 2007	490	19,056	199,359
Total number of employees, 2007	6,744	404,252	3,631,658
Manufacturers' shipments, 2007 (\$1000)	254,827	12,207,299	116,608,094
Merchant wholesaler sales, 2007 (\$1000)	\$462,645	\$32,631,795	\$233,413,004
Retail sales, 2007 (\$1000)	\$94,255	\$11,131,032	\$124,813,580
Retail sales per capita, 2007	\$2,626	\$14,274	\$14,453
Accommodation and food services sales, 2007 (\$1000)	\$12,682	\$1,275,068	\$19,993,613
Accommodation and food services sales per capita, 2007	\$353	\$1,635	\$2,315

Source(s): 2007 Economic Census, 2007 Survey of Business Owners

Construction

The New Jersey Department of Community Affairs publishes construction statistics based on certificates of occupancy, issued by local construction officials and reported to the state. During 2001-2010, Monroe accounted for 25.4% of residential COs in Middlesex County, and 9.3% of nonresidential square footage.

Construction QuickFacts	Monroe	Middlesex County	New Jersey
Residential COs for housing units, 2001-2010	4,979	19,637	241,645
Residential COs, Units, Municipal Ranking in Middlesex County, 2001-2010	1	N/A	N/A
Nonresidential COs, total square feet of floor area, 2001-2010	6,464,657	69,483,581	452,960,897
Nonresidential COs, Sq. Ft., Municipal Ranking in Middlesex County, 2001-2010	4	N/A	N/A

Source(s): 2001-2010 NJ Department of Community Affairs Construction Reporter

Work Travel Behavior and Employment Characteristics

Commuter Shed

From 2006-2010, an average of 12,095 covered jobs were held by Monroe residents, while a total of 788 residents held covered jobs located in Monroe. The majority of residents were employed outside Middlesex County, with the largest share of outbound commuters travelling to Monmouth County. At the municipality level, the largest share of resident commuters travel into Manhattan, with the second largest staying within Monroe Township.

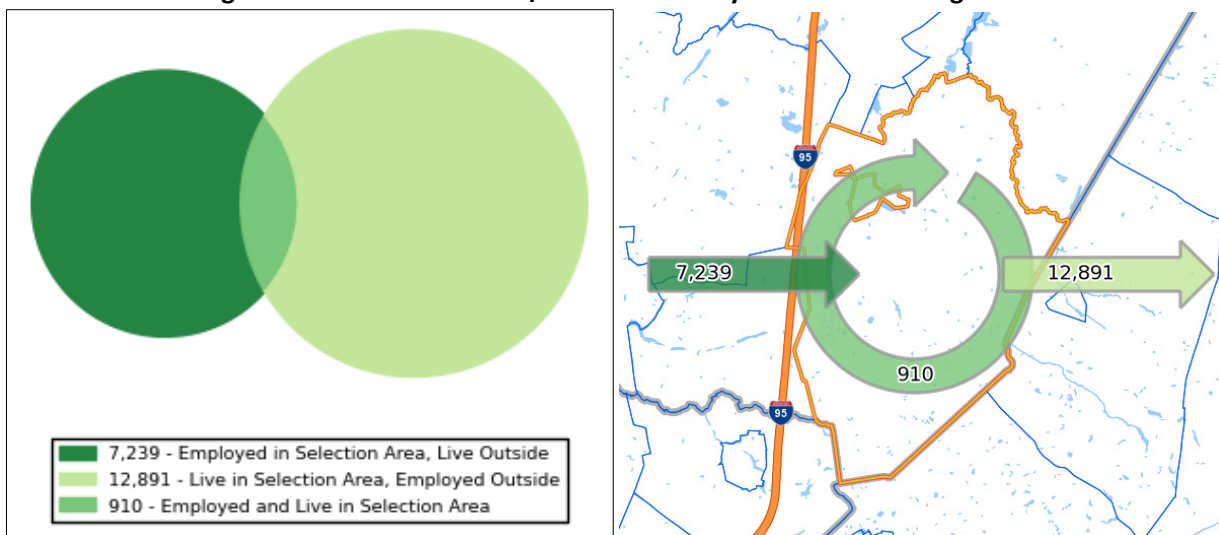
<i>Labor Force: Where Residents are Employed</i>	Number	Percent
Total Primary Jobs, 2006-2010 average	12,095	--
Top-5 Destinations by Municipality		
Manhattan Borough, NY	949	7.8%
Monroe Township, NJ	788	6.5%
New Brunswick City, NJ	452	3.7%
Edison Township, NJ	451	3.7%
East Brunswick Township, NJ	434	3.6%
Top-5 Destinations by County		
Middlesex County, NJ	4,894	40.5%
Monmouth County, NJ	984	8.1%
New York County, NY	949	7.8%
Union County, NJ	733	6.1%
Mercer County, NJ	713	5.9%

Labor Shed

An average of 7,996 people had primary covered employment in Monroe Township during the 2006-2010 period. More than a third of these people lived in Middlesex County, with the next largest share coming from Mercer County. The largest municipal share outside of Monroe Township itself came from East Windsor Township, followed by Hamilton Township both in neighboring Mercer County.

<i>Workforce: Where Employees Reside</i>	Number	Percent
Total Primary Jobs, 2006-2010 average	7,996	--
Top-5 Origins by Municipality		
Monroe Township, NJ	788	9.9%
East Windsor Township, NJ	256	3.2%
Hamilton Township, NJ	229	2.9%
Old Bridge Township, NJ	192	2.4%
South Brunswick Township, NJ	191	2.4%
Top-5 Origins by County		
Middlesex County, NJ	2,919	36.5%
Mercer County, NJ	937	11.7%
Monmouth County, NJ	929	11.6%
Ocean County, NJ	466	5.8%
Burlington County, NJ	371	4.6%

Figure 12-1: Monroe Inflow/Outflow Primary Job Counts during 2010



Source: US Census Bureau, Longitudinal Employer-Household Dynamics (LEHD)

Journey-to-Work

During the 2006-2010 period, the overwhelming majority of people commuting from Monroe (76.3%) drove to work in cars occupied solely by the driver. This was true for both commuters within Middlesex County, as well as commuters that left the county, but remained in-state.

Commuting QuickFacts	Monroe	Middlesex County	New Jersey
Mean travel time to work (minutes), workers age 16+, 2006-2010	38.3	31.7	29.8
Drove alone to work, percent of workers, 2006-2010	76.3%	73.1%	71.6%
Public transportation to work, percent of workers, 2006-2010	8.3%	9.8%	10.6%

Source: 2006-2010 American Community Survey

A majority of people commuting out-of-state used public transit to reach their destination while 0.8% of all commuters walked to work. An additional 6.9% worked from home, and therefore did not have a significant impact on the morning or evening rush hours.

Means of Commuting	All Places of Work		In-state, In-county		In-state, Out-of-county		Out-of-State	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Drove Alone	10,526	76.3%	5,710	79.0%	4,151	87.9%	665	36.0%
Carpooled	1,038	7.5%	433	6.0%	496	10.5%	109	5.9%
Public Transit	1,140	8.3%	21	0.3%	47	1.0%	1,072	58.1%
Taxi, Motorcycle, Bicycle, or Other	19	0.1%	0	0.0%	19	0.4%	0	0.0%
Walked	113	0.8%	102	1.4%	11	0.2%	0	0.0%
Worked from Home	958	6.9%	958	13.3%	--	--	--	--
Total	13,794	100.0%	7,224	100.0%	4,724	100.0%	1,846	100.0%

Source: 2006-2010 American Community Survey

Transportation Planning Documents

Monroe most recently updated their Master Plan in July of 2003, at which time the circulation element was also updated. The most recent reexamination report is from December 2009. The following potential improvements were included in the Monroe Township Master Plan:

Table 12-1 Monroe Roadway Recommendations

Jurisdiction	Type	Location	Description	Status
	Expansion	Applegarth Road between Rt. 33 and Clearbrook entrance	Widen to 40 feet, left turn lanes at intersections	
	Reconfiguration	Rossmoor East Gate	Convert to entrance-only	
	Expansion	Perrineville Road between Union Valley Road and Rt. 33	Widen to 40 feet	
	Realignment	Perrineville Road at Millstone Brook		
	Realignment	Perrineville Road from south of Dey Grove Road to north of Federal Road		
	Reconfiguration	Perrineville Road between Union Valley Road and Prospect Plains Road	Restripe for three-lane cross-section (striped median)	
	Realignment	Hoffman Station Road at Prospect Plains Road	Realign to create continuous north-south roadway	
	Realignment	Mounts Mills Road at School House Road		
	Reconfiguration	Prospect Plains Road between Engelhard Drive and municipal line	Improve roadway cross-section to increase capacity	
	Study Required	Rt. 522-Bucklew Avenue	Re-evaluate widening and improvement plans	
	New Construction	Rear of commercial zones along Rt. 33	Create new east-west roads to bypass highway	
	New Construction	Spotswood-Gravel Hill Rd. between Jamesburg-Englishtown Rd. and School House Rd.	Complete Spotswood-Gravel Hill Road	
	New Construction	School House Road between 90 degree turn and Spotswood-Englishtown Road/Rue Road	Extend from turn to intersection of Spotswood-Englishtown Road/Rue Road	
	Realignment	Wyckoffs Mills-Applegarth Road at Applegarth Road-Old Church Road	Realign to cross Applegarth north of current intersection, extend to Old Church/Mount Road intersection	
	New Construction	East of High School Property	New North-South roadway	
	New Construction	South of High School Property	New East-West roadway	
County/Local	Study Required	Spotswood-Englishtown Road at Spotswood border	Develop plan for new road alignments, requiring county cooperation	
	New Construction	Federal Road at Applegarth Road/Halsey Reed Road	Extend Federal Road to signalized intersection with Applegarth Road/Halsey-Reed Road	X
	Realignment	Jamesburg-Englishtown Road, 1/4 mile north of Schoolhouse Road	Realign roadway to eliminate sharp horizontal curve	
	Realignment	Perrineville Road, north of Dey Grove Road	Realign roadway to eliminate curve (requires wetlands assessment)	

Table 12-2 Monroe Intersection Recommendations

Jurisdiction	Type	Location	Description	Status
	Traffic Control	Applegarth Road/Union Valley Road/Cranbury Station Road	Signalization	
	Reconfiguration	Applegarth Road/Union Valley Road/Cranbury Station Road	Dedicated turn lanes, all approaches	
	Traffic Control	Applegarth Road/Prospect Plains Road	Signal and roadway improvements	
	Traffic Control	Applegarth Road/Forsgate Drive	Left-turn signals, reconstruction of southwest channelization island	
	Realignment	E. Union Valley Road at Monroe Boulevard/Gravel Hill-Spotswood Road	Align E. Union Valley with Monroe Boulevard to create 4-way intersection	
	Traffic Control	Jamesburg-Englishtown Road/Mounts Mills Road/Hoffman Station Road	Signalization	
	Traffic Control	Perrineville Road/Union Valley Road	Signalization	
	Traffic Control	Spotswood-Englishtown Road/Jamesburg-Englishtown Road	Signalization	
	Traffic Control	Applegarth Road/Clearbrook Entrance	Signalization	
	Traffic Control	Halsey Reed Road/Applegarth Road	Signalization	
	Traffic Control	Cranbury-South River Road/Industrial Road (extending west from Possum Hollow Road)	Signalization	
	Traffic Control	Prospect Plains Road/Concordia Entrance	Signalization	
	Traffic Control	Prospect Plains Road/Greenbriar at Whittingham Entrance	Signalization	
	Traffic Control	Perrineville Road/Schoolhouse Road	Signalization	
	Traffic Control	Spotswood-Englishtown Road/Monmouth Road/Erickson Avenue	Signalization	
County/Local	Pedestrian	Clayton Avenue/CR 613	Install crosswalks, curb ramps, signage, consider supplemental flashing beacons	
County/Local	Pedestrian	Monmouth Road/CR 613	Install crosswalks, curb ramps, signage	
County/Local	Pedestrian	CR 613/Lori Street (North of intersection, due to northbound driveway)	Install crosswalks, curb ramps, signage	
County/Local	Pedestrian	CR 613/Matchaponix Avenue	Install crosswalks, curb ramps, pedestrian signal heads	
County/Local	Pedestrian	CR 613/Texas Road	Install crosswalks, curb ramps, pedestrian signal heads	
	Pedestrian	Texas Road/River Road/Centennial Court	Install crosswalks, curb ramps, signage (excludes N. approach of River Road)	
County/Local	Pedestrian	CR 522/Schoolhouse Road	Install crosswalks, curb ramps, pedestrian signal heads (excludes western approach of Schoolhouse Road)	

Table 12-3 Monroe Bicycle/Pedestrian Recommendations

Jurisdiction	Type	Location	Description	Status
County/Locality	Pedestrian	CR 613 between Morton Avenue and Park Avenue	Sidewalk Installation (Northbound side, 225')	
County/Locality	Pedestrian	CR 613 between Brunswick Avenue and Harrison Avenue	Sidewalk Installation (Southbound side, 120')	
County/Locality	Pedestrian	CR 613 between Harrison Avenue and Clayton Avenue	Sidewalk Installation (Southbound side, 135')	
County/Locality	Pedestrian	CR 613 between Clayton Avenue and Sherman Avenue	Sidewalk Installation (Southbound side, 70')	
	Pedestrian	Clayton Avenue between CR 613 and Woodland Elementary School	Sidewalk Installation (Southern side, 500')	
	Pedestrian	Monmouth Road between Cornell Avenue and Community Center	Sidewalk Installation (Northbound side, 900')	
County/Locality	Pedestrian	CR 613 between Jillian Court and Brandy Place	Sidewalk Installation (Northbound side, 1230')	
County/Locality	Pedestrian	CR 613 between Camelot Drive and Tall Oaks Drive	Sidewalk Installation (Southbound side, 770')	
	Pedestrian	Trail (600') between Lori Street and Carnegie Street	Widen existing 6' sidewalk to 8'	
	Pedestrian	Samantha Drive and Dynasty Drive	Install 8' wide, 450' long shared-use path between roads	
	Reconfiguration	Texas Road between Matchaponix Avenue and township boundary	Restripe for two 12' travel lanes, two 6'-8' paved shoulders. Install "Share the Road" signage	
	Reconfiguration	Matchaponix Avenue between Texas Road and CR 613	Restripe for two 12' travel lanes, two 8' paved shoulders. Install "Share the Road" signage	
County/Locality	Pedestrian	CR 522 between Ralston Way and Schoolhouse Road	Sidewalk Installation (Northbound side, 2140')	
County/Locality	Pedestrian	CR 613 between Schoolhouse Road and Devonshire Boulevard	Sidewalk Installation (Northbound side, 1030')	
	Pedestrian	Perrineville Road, between Monroe High School driveway and Thompson Park entrance	Install 8' wide, 2370' long asphalt-paved shared-use path	
	Expansion	CR 615 between milepost 5.90 and 6.15	Widen westbound shoulder by minimum of 2'	
	Expansion	CR 615 between milepost 6.45 and 6.65	Widen westbound shoulder by minimum of 5'	
	Expansion	CR 615 between milepost 6.7 and 6.85	Widen westbound shoulder by minimum of 5'	
	Expansion	CR 615 between milepost 6.9 and 7.15	Widen westbound and eastbound shoulders by minimum of 5'	
	Expansion	CR 615 between milepost 7.15 and 7.3	Widen eastbound shoulder by minimum of 5'	
	Pedestrian	CR 614 between CR 619 and Monroe Town Center driveway	Sidewalk Installation (Eastbound side, 170')	
	Pedestrian	CR 614 between CR 619 and Engelhard Drive	Sidewalk Installation (Westbound side, 1540')	
	Pedestrian	CR 614 between existing sidewalk and Kelley Court	Sidewalk Installation (Eastbound side, 2550')	
	Pedestrian	CR 614 between Kelley Court and Cedar Brook Road	Sidewalk Installation (Eastbound side, 200' and 140')	
	Pedestrian	Trail Paralleling CR 614, Perrineville Road, Union Valley Road	Natural surface trail, 3'-6' width (Union Valley Road Trail)	

Jurisdiction	Type	Location	Description	Status
	Pedestrian	Trail Paralleling River Road, from Community Center to Matchaponix Road	Natural surface trail, 6'-10' width (Community Center Connector Trail 1)	
	Pedestrian	Trail Paralleling N State Home Road, from Matchaponix/CR 612 to Dan Ryan Memorial Field	Natural surface trail, 3'-6' width (Community Center Connector Trail 2)	
	Pedestrian	Trail Paralleling Manalapan Brook (eastern bank), from Veterans Park to Jamesburg border	Natural surface trail, 3'-6' width (Manalapan Brook Nature Trail)	
	Pedestrian	Trail system in Rocky Brook Estates residential development (off Disbrow Hill Road)	Natural surface trail, 3'-6' width (Rocky Brook Estates Trail)	
	Pedestrian	Trail system between Perrineville Rd and CR 619, N. of Millstone Rive, S. of England Rd	Natural surface trail, 3'-6' width (East-West Trail 1)	
	Pedestrian	Trail system between Old Church Rd and Perrineville Rd, S. of Union Valley Gravel Hill Rd	Natural surface trail, 3'-6' width (East-West Trail 2)	
	Pedestrian	Trail loop at approximately 397 CR 619 (Applegarth Road)	Natural surface trail, 3'-6' width (Butterfly and Wildlife Nature Trail)	
	Pedestrian	Trail paralleling Millstone River (northern bank) between E. Windsor and James Monroe Park	Natural surface trail, 3'-6' width (Millstone River Nature Trail)	
	Pedestrian	Trail following PSE&G Right of Way, from CR 619 north of CR 612 to East Windsor border	Natural surface trail, 3'-6' width (PSE&G ROW Trail)	
	Pedestrian	Trail from Jamesburg Park Conservation Area to Manalapan Township border (East-West)	Natural surface trail, 6'-10' width (Equestrian Trail 1)	
	Pedestrian	Trail from Old Bridge Township border to Manalapan Township border (North-South)	Natural surface trail, 6'-10' width (Equestrian Trail 2)	
	Pedestrian	Trail following perimeter of softball fields off Gravel Hill Spotswood Road	Natural surface trail, 6' width (Softball Fields Walking Trail)	
	Pedestrian	Trail Paralleling Garfield Avenue & James Monroe Park, between Gravel Hill Rd and Federal Rd	Natural surface trail, 3'-6' (Garfield Avenue Trail)	

Table 12-4 Monroe Miscellaneous Recommendations

Type	Description	Status
	Limit zoning along Rt. 33 to channel commercial uses to corridor, discourage small lot non-residential development	
	Install bike route signage with destination/distance every 1000' between Community Center/Veterans Park. Route: Monmouth Road, Cornell Avenue, Lori Street, Carnegie Street, Samantha Drive, Dynasty Drive, Avenue K	
	Install "Share the Road" signage on CR 615 between Jamesburg boundary and Union Valley Road	
	Install "Share the Road" signage on CR 615 between Union Valley Road and Cranbury boundary	

13. New Brunswick City

Background

The City of New Brunswick is the county seat of Middlesex County, and home to the main campus of Rutgers University, the State University of New Jersey. Located on the bank of the Raritan River, New Brunswick was formed by Royal Charter in 1730, and incorporated by the state legislature in 1784. Centrally located between New York and Philadelphia, the city served as a key stopping point for colonial-era travelers. As transportation options grew, including the construction of the Delaware and Raritan Canal and the predecessor to the modern Northeast Corridor commuter rail line, industry developed on the banks of the river. These industrial uses would largely give way to residential and commercial development in the mid-1900s. Today, two regional hospitals, as well as the corporate headquarters of Johnson and Johnson are located within New Brunswick. The city has a total land area of 5.2 square miles, and shares borders with Piscataway, Highland Park, Edison, East Brunswick and North Brunswick in Middlesex County, and Franklin Township in Somerset County.

Geography QuickFacts	New Brunswick	Middlesex County	New Jersey
Land area in square miles, 2010	5.2	308.9	7,354.2
Persons per square mile of land area, 2010	10,556.4	2,621.6	1,195.5
Population density, municipal ranking in Middlesex County, 2010	2	N/A	N/A
Housing units per square mile of land area, 2010	2,879.7	954.3	483.2
Housing unit density, municipal ranking in Middlesex County, 2010	3	N/A	N/A
Water area in square miles, 2010	0.6	13.9	1,368.4
Total area in square miles, 2010	5.8	322.8	8,722.6

Source: 2010 Decennial Census

Population, Housing and Households

Population

During the 2010 Census, New Brunswick City had a population of 55,181. Average data for the 2006-2010 period comes from the American Community Survey 5-year estimates.

Population QuickFacts	New Brunswick	Middlesex County	New Jersey
Population, 2011 estimate	55,444	814,217	8,821,155
Population, 2010	55,181	809,858	8,791,894
Population change, 2000 to 2010	+ 6,608	+ 59,696	+ 377,544
Population, percent change, 2000 to 2010	+ 13.6%	+ 8.0%	+ 4.5%
Population, 2000	48,573	750,162	8,414,350
Persons under 5 years, percent, 2010	7.2%	6.2%	6.2%
Persons under 18 years, percent, 2010	21.1%	22.9%	23.5%
Persons 65 years and over, percent, 2010	5.2%	12.3%	13.5%
Median age of population, 2010	23.3	37.2	39.0
Living in same house 1 year & over, 2006-2010	71.7%	88.3%	89.4%
Foreign born persons, percent, 2006-2010	36.2%	29.4%	20.3%
Language other than English spoken at home, pct age 5+, 2006-2010	52.5%	39.5%	28.7%
High school graduates, percent of persons age 25+, 2006-2010	66.1%	88.0%	87.3%
Bachelor's degree or higher, pct of persons age 25+, 2006-2010	22.0%	38.4%	34.6%

Source(s): 2010 Decennial Census, 2006-2010 American Community Survey

Housing

The same census indicated that there were 15,053 housing units in New Brunswick. Of these houses, 33.9% were built in 1970 or later, and 15.4% were built in 1990 or later. The median home value was \$285,900, and 73.5% of housing units had a mortgage.

Housing QuickFacts	New Brunswick	Middlesex County	New Jersey
Housing units, 2010	15,053	294,800	3,553,562
Housing units change, 2000 to 2010	+ 1,160	+ 21,163	+ 243,287
Housing units, percent change, 2000 to 2010	+ 8.3%	+ 7.7%	+ 7.3%
Housing units, 2000	13,893	273,637	3,310,275
Homeownership rate, 2006-2010	27.4%	67.0%	66.9%
Housing units in multi-unit structures, percent, 2006-2010	68.3%	34.4%	35.9%
Median value of owner-occupied housing units, 2006-2010	\$285,900	\$356,000	\$357,000
Occupied housing units with no vehicle available, percent, 2006-2010	28.2%	8.3%	11.7%
Average number of vehicles per occupied housing unit, 2006-2010	1.2	1.8	1.7

Source(s): 2010 Decennial Census, 2006-2010 American Community Survey

Households

Census defines a household as the group of people occupying distinct living quarters. This group lives and eats separately from other persons, and must have direct access to their housing unit from outside or a common hall.

Household QuickFacts	New Brunswick	Middlesex County	New Jersey
Households, 2006-2010	14,527	277,398	3,176,069
Persons per household, 2006-2010	3.23	2.78	2.69

Source: 2006-2010 American Community Survey

Economic Characteristics

Occupations and Industries of Residents (Labor Force)

During 2006-2010, of the 43,582 individuals age 16 and over, 63.3% were in the labor force. Based on data from the American Community Survey, the three largest professions were:

- Service occupations, 25.2%
- Management, business, science and arts occupations, 25.0%
- Production, transportation, and material moving occupations, 22.1%

When grouped by industry, the three largest shares of the municipal labor force worked in:

- Educational services, health care and social assistance, 20.2%
- Professional, scientific, management, administrative and waste management services, 15.2%
- Arts, entertainment, and recreation, and accommodation and food services, 13.7%

Income

During 2006-2010, the median household income in New Brunswick City was \$44,543, while the average household income was \$56,906. On a per capita basis, individual income was \$16,395, while 7.4% of the population was living below the poverty level.

Income QuickFacts	New Brunswick	Middlesex County	New Jersey
Per capita money income in past 12 months (2010 dollars) 2006-2010	\$16,395	\$33,289	\$34,858
Median household income, (2010 dollars) 2006-2010	\$44,543	\$77,615	\$69,811
Persons below poverty level, percent, 2006-2010	25.8%	7.4%	9.1%

Source: 2006-2010 American Community Survey

Businesses

Business data is drawn from two datasets produced by the US Census Bureau. The Economic Census, published every 5 years and last released in 2007, is based on a pure population count, similar to the decennial census. It provides information about the size and number of firms, broken out by industry sector. The Survey of Business Owners, published every 5 years and last released in 2007, is based on statistical methodologies and random sampling. It provides information about the number, size and payroll of firms, broken out by sector, gender, ethnicity, race and veteran status.

Business QuickFacts	New Brunswick	Middlesex County	New Jersey
Total number of firms, 2007	868	19,056	199,359
Total number of employees, 2007	27,234	404,252	3,631,658
Manufacturers' shipments, 2007 (\$1000)	518,501	12,207,299	116,608,094
Merchant wholesaler sales, 2007 (\$1000)	\$623,741	\$32,631,795	\$233,413,004
Retail sales, 2007 (\$1000)	\$201,465	\$11,131,032	\$124,813,580
Retail sales per capita, 2007	\$4,028	\$14,274	\$14,453
Accommodation and food services sales, 2007 (\$1000)	\$114,667	\$1,275,068	\$19,993,613
Accommodation and food services sales per capita, 2007	\$2,292	\$1,635	\$2,315

Source(s): 2007 Economic Census, 2007 Survey of Business Owners

Construction

The New Jersey Department of Community Affairs publishes construction statistics based on certificates of occupancy, issued by local construction officials and reported to the state. During 2001-2010, New Brunswick accounted for 12.2% of residential COs in Middlesex County, and 18.1% of nonresidential square footage.

Construction QuickFacts	New Brunswick	Middlesex County	New Jersey
Residential COs for housing units, 2001-2010	2,388	19,637	241,645
Residential COs, Units, Municipal Ranking in Middlesex County, 2001-2010	2	N/A	N/A
Nonresidential COs, total square feet of floor area, 2001-2010	12,594,309	69,483,581	452,960,897
Nonresidential COs, Sq. Ft., Municipal Ranking in Middlesex County, 2001-2010	1	N/A	N/A

Source(s): 2001-2010 NJ Department of Community Affairs Construction Reporter

Work Travel Behavior and Employment Characteristics

Commute Shed

From 2006-2010, an average of 15,442 covered jobs were held by New Brunswick residents, while a total of 2,497 residents held covered jobs located in New Brunswick. The majority of residents were employed outside Middlesex County, with the largest share of those commuters travelling to Somerset County. At the municipality level, the largest share of resident commuters stay within New Brunswick, with the second largest share travelling to Edison.

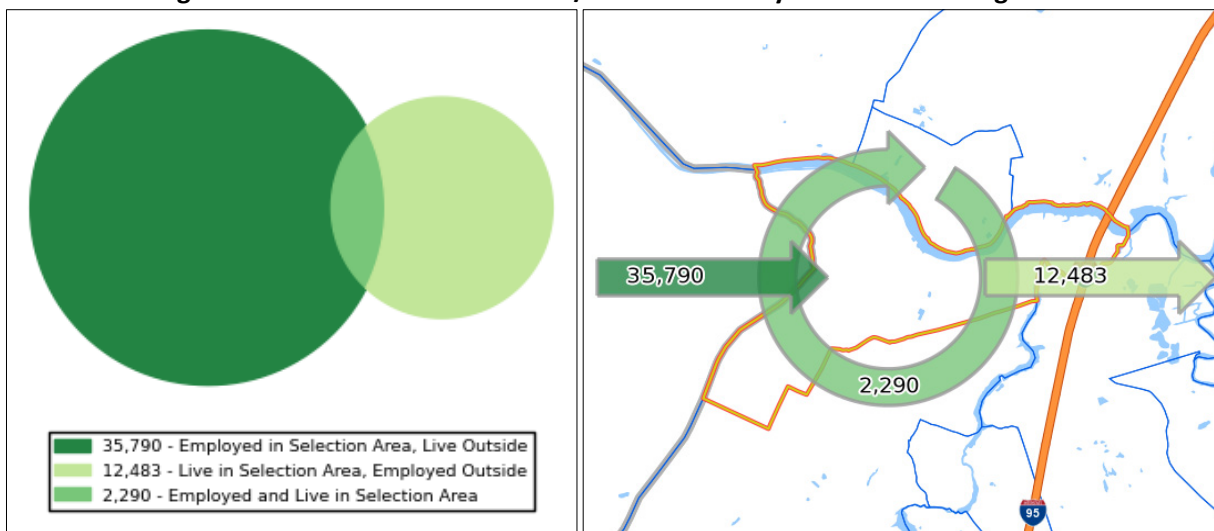
<i>Labor Force: Where Residents are Employed</i>	Number	Percent
Total Primary Jobs, 2006-2010 average	15,442	--
Top-5 Destinations by Municipality		
New Brunswick City, NJ	2,497	16.2%
Edison Township, NJ	848	5.5%
North Brunswick Township, NJ	769	5.0%
Franklin Township, NJ	752	4.9%
Manhattan Borough, NY	676	4.4%
Top-5 Destinations by County		
Middlesex County, NJ	6,692	43.3%
Somerset County, NJ	1,378	8.9%
Essex County, NJ	999	6.5%
Union County, NJ	827	5.4%
Mercer County, NJ	782	5.1%

Labor Shed

An average of 39,110 people had primary covered employment in New Brunswick during the 2006-2010 period. More than a third of these people lived in Middlesex County, with the next largest share coming from Somerset County. The largest municipal share outside of New Brunswick itself came from Franklin Township of Somerset County, followed by North Brunswick.

<i>Workforce: Where Employees Reside</i>	Number	Percent
Total Primary Jobs, 2006-2010 average	39,110	--
Top-5 Origins by Municipality		
New Brunswick City, NJ	2,497	6.4%
Franklin Township, NJ	2,206	5.6%
North Brunswick Township, NJ	1,684	4.3%
Edison Township, NJ	1,471	3.8%
East Brunswick Township, NJ	1,155	3.0%
Top-5 Origins by County		
Middlesex County, NJ	15,480	39.6%
Somerset County, NJ	4,303	11.0%
Mercer County, NJ	2,408	6.2%
Monmouth County, NJ	2,343	6.0%
Union County, NJ	2,192	5.6%

Figure 13-1: New Brunswick Inflow/Outflow Primary Job Counts during 2010



Source: US Census Bureau, Longitudinal Employer-Household Dynamics (LEHD)

Journey-to-Work

During the 2006-2010 period, a plurality of people commuting from New Brunswick (46.0%) drove to work in cars occupied solely by the driver. This was true for both commuters within Middlesex County, as well as commuters that left the county, but remained in-state.

Commuting QuickFacts	New Brunswick	Middlesex County	New Jersey
Mean travel time to work (minutes), workers age 16+, 2006-2010	24.5	31.7	29.8
Drove alone to work, percent of workers, 2006-2010	46.0%	73.1%	71.6%
Public transportation to work, percent of workers, 2006-2010	10.5%	9.8%	10.6%

Source: 2006-2010 American Community Survey

A majority of people commuting out-of-state used public transit to reach their destination, while 14.3% of all commuters walked to work. An additional 1.8% worked from home, and therefore did not have a significant impact on the morning or evening rush hours.

Means of Commuting	All Places of Work		In-state, In-county		In-state, Out-of-county		Out-of-State	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Drove Alone	11,144	46.0%	7,292	40.0%	3,700	70.5%	152	19.8%
Carpooled	5,110	21.1%	3,910	21.4%	1,082	20.6%	118	15.3%
Public Transit	2,556	10.5%	1,889	10.4%	211	4.0%	456	59.3%
Taxi, Motorcycle, Bicycle, or Other	1,536	6.3%	1,283	7.0%	232	4.4%	21	2.7%
Walked	3,465	14.3%	3,422	18.8%	21	0.4%	22	2.9%
Worked from Home	437	1.8%	437	2.4%	--	--	--	--
Total	24,248	100.0%	18,233	100.0%	5,246	100.0%	769	100.0%

Source: 2006-2010 American Community Survey

Transportation Planning Documents

New Brunswick most recently updated their Master Plan in November of 2004, at which time the circulation element was also updated. The following potential improvements were included in the New Brunswick City Master Plan:

Table 13-1 New Brunswick Roadway Recommendations

Jurisdiction	Type	Location	Description	Status
State	Realignment	Rt. 18 between Rt. 1 and Northeast Corridor Line	Reconstruction and Improvements	X
State	New Construction	Rt. 18 Extension (River Road to Hoes Lane)	New 4-lane, limited access alignment	X
State	New Construction	Rt. 18/Hoes Lane Extension to I-287 in Piscataway	Expansion, Ramp and Signal Modification	
State	Reconfiguration	Rt. 27, Bennetts Lane to Somerset Street	Road Improvements	
Local	Reconfiguration	Neilson Street between Commercial Avenue and Tabernacle Way	Two-Way Traffic	
Local	Reconfiguration	French Street Commercial District	Eliminate on-street parking, add turn lanes	
Local	Reconfiguration	College Avenue (Rutgers Campus area)	Alter circulation pattern	
	Expansion	Rt. 27 between St. Peters Cemetery and How Lane	Implement recommendations of Rt. 27 Corridor Study	
	Reconfiguration	Neilson Street	Possibly implement one-way circulation system	
	Reconfiguration	French Street Commercial District	Turn Lanes, remove parking	

Table 13-2 New Brunswick Intersection Recommendations

Jurisdiction	Type	Location	Description	Status
	Traffic Control	Rt. 27/Easton Avenue	Signal Upgrade	
	Traffic Control	New Street/Nielson Street	Signal Upgrade	
	Traffic Control	New Street/George Street	Signal Upgrade	
	Traffic Control	New Street/Livingston Avenue	Signal Upgrade	
	Traffic Control	New Street/Kirkpatrick Street	Signal Upgrade	
	Traffic Control	New Street/Joyce Kilmer Avenue	Signal Upgrade	
Local	Reconfiguration	Georges Road/Sanford Street/Jones Avenue	Intersection Improvements	
	Reconfiguration	George Street/Northeast Corridor Line	Reconfigure overpass to eliminate chokepoint	
	Reconfiguration	Easton Avenue/Northeast Corridor Line	Reconfigure overpass to eliminate chokepoint	
	Reconfiguration	Handy Street/Northeast Corridor Line	Reconfigure overpass to eliminate chokepoint	
	Reconfiguration	Suydam Street/Northeast Corridor Line	Reconfigure overpass to eliminate chokepoint	
	Reconfiguration	Bayard Street/Northeast Corridor Line	Reconfigure overpass to eliminate chokepoint	
	Reconfiguration	French Street/Northeast Corridor Line	Reconfigure overpass to eliminate chokepoint	

Table 13-3 New Brunswick Bicycle/Pedestrian Recommendations

Jurisdiction	Type	Location	Description	Status
	Pedestrian	George Street between Rt. 27 and U.S. 1	Bikeway Construction	
	Pedestrian	How Lane between Rt. 27 and Livingston Avenue	Bikeway Construction	
	Pedestrian	Van Dyke Avenue between Rt. 27 and Jersey Avenue Station	Sidewalk Construction	
	Pedestrian	Landing Lane between Landing Lane Bridge and Franklin Boulevard	Sidewalk Construction	
	Pedestrian	Richmond Street to Boyd Park	Pedestrian Bridge	
	Pedestrian	Rt. 27 between French Street and How Lane	Upgrade	

Table 13-4 New Brunswick Miscellaneous Recommendations

Type	Description	Status
Bike/Ped	Rutgers Campus Bike Racks	
	Improve roadway function - choke points at rail underpasses	
	Establish computer controlled signal systems	
	Continued improvement of roadways and intersections	
	Channel through-traffic away from local streets	
Bike/Ped	Implement recommendations of the New Brunswick Bikeway Study	
Bus/Rail	Possible Implementation of Greater New Brunswick Area Corridor Study - Fixed Guideway Transit System	

14. North Brunswick Township

Background

North Brunswick Township is a municipality located in central Middlesex County. It was incorporated in 1798, as one of the state's original 104 townships. Initially an agricultural community with some manufacturing, North Brunswick has steadily grown over the past century, taking on the suburban character of most of the surrounding area. The township has a total land area of 12 square miles, and shares borders with New Brunswick, East Brunswick Township, Milltown Borough and South Brunswick Township in Middlesex County, and Franklin Township in Somerset County.

Geography QuickFacts	North Brunswick	Middlesex County	New Jersey
Land area in square miles, 2010	12.0	308.9	7,354.2
Persons per square mile of land area, 2010	3,396.2	2,621.6	1,195.5
Population density, municipal ranking in Middlesex County, 2010	14	N/A	N/A
Housing units per square mile of land area, 2010	1,254.1	954.3	483.2
Housing unit density, municipal ranking in Middlesex County, 2010	14	N/A	N/A
Water area in square miles, 2010	0.3	13.9	1,368.4
Total area in square miles, 2010	12.3	322.8	8,722.6

Source: 2010 Decennial Census

Population, Housing and Households

Population

During the 2010 Census, North Brunswick Township had a population of 40,742. Average data for the 2006-2010 period comes from the American Community Survey 5-year estimates.

Population QuickFacts	North Brunswick	Middlesex County	New Jersey
Population, 2011 estimate	40,961	814,217	8,821,155
Population, 2010	40,742	809,858	8,791,894
Population change, 2000 to 2010	+ 4,455	+ 59,696	+ 377,544
Population, percent change, 2000 to 2010	+ 12.3%	+ 8.0%	+ 4.5%
Population, 2000	36,287	750,162	8,414,350
Persons under 5 years, percent, 2010	7.3%	6.2%	6.2%
Persons under 18 years, percent, 2010	23.4%	22.9%	23.5%
Persons 65 years and over, percent, 2010	9.3%	12.3%	13.5%
Median age of population, 2010	35.5	37.2	39.0
Living in same house 1 year & over, 2006-2010	85.0%	88.3%	89.4%
Foreign born persons, percent, 2006-2010	34.5%	29.4%	20.3%
Language other than English spoken at home, pct age 5+, 2006-2010	42.8%	39.5%	28.7%
High school graduates, percent of persons age 25+, 2006-2010	89.6%	88.0%	87.3%
Bachelor's degree or higher, pct of persons age 25+, 2006-2010	43.5%	38.4%	34.6%

Source(s): 2010 Decennial Census, 2006-2010 American Community Survey

Housing

The same census indicated that there were 15,045 housing units in North Brunswick Township. Of these houses, 69.5% were built in 1970 or later, and 25.8% were built in 1990 or later. The median home value was \$330,500, and 75.7% of housing units had a mortgage.

Housing QuickFacts	North Brunswick	Middlesex County	New Jersey
Housing units, 2010	15,045	294,800	3,553,562
Housing units change, 2000 to 2010	+ 1,113	+ 21,163	+ 243,287
Housing units, percent change, 2000 to 2010	+ 8.0%	+ 7.7%	+ 7.3%
Housing units, 2000	13,932	273,637	3,310,275
Homeownership rate, 2006-2010	58.9%	67.0%	66.9%
Housing units in multi-unit structures, percent, 2006-2010	39.6%	34.4%	35.9%
Median value of owner-occupied housing units, 2006-2010	\$330,500	\$356,000	\$357,000
Occupied housing units with no vehicle available, percent, 2006-2010	7.6%	8.3%	11.7%
Average number of vehicles per occupied housing unit, 2006-2010	1.7	1.8	1.7

Source(s): 2010 Decennial Census, 2006-2010 American Community Survey

Households

Census defines a household as the group of people occupying distinct living quarters. This group lives and eats separately from other persons, and must have direct access to their housing unit from outside or a common hall.

Household QuickFacts	North Brunswick	Middlesex County	New Jersey
Households, 2006-2010	14,122	277,398	3,176,069
Persons per household, 2006-2010	2.73	2.78	2.69

Source: 2006-2010 American Community Survey

Economic Characteristics

Occupations and Industries of Residents (Labor Force)

During 2006-2010, of the 31,552 individuals age 16 and over, 69.8% were in the labor force. Based on data from the American Community Survey, the three largest professions were:

- Management, business, science and arts occupations, 49.1%
- Sales and office occupations, 25.6%
- Service occupations, 11.6%

When grouped by industry, the three largest shares of the municipal labor force worked in:

- Educational services, health care and social assistance, 23.3%
- Professional, scientific, management, administrative and waste management services, 15.6%
- Retail trade, 11.7%

Income

During 2006-2010, the median household income in North Brunswick Township was \$78,469, while the average household income was \$91,053. On a per capita basis, individual income was \$32,944, while 6.8% of the population was living below the poverty level.

Income QuickFacts	North Brunswick	Middlesex County	New Jersey
Per capita money income in past 12 months (2010 dollars) 2006-2010	\$32,944	\$33,289	\$34,858
Median household income, (2010 dollars) 2006-2010	\$78,469	\$77,615	\$69,811
Persons below poverty level, percent, 2006-2010	6.8%	7.4%	9.1%

Source: 2006-2010 American Community Survey

Businesses

Business data is drawn from two datasets produced by the US Census Bureau. The Economic Census, published every 5 years and last released in 2007, is based on a pure population count, similar to the decennial census. It provides information about the size and number of firms, broken out by industry sector. The Survey of Business Owners, published every 5 years and last released in 2007, is based on statistical methodologies and random sampling. It provides information about the number, size and payroll of firms, broken out by sector, gender, ethnicity, race and veteran status.

Business QuickFacts	North Brunswick	Middlesex County	New Jersey
Total number of firms, 2007	1,037	19,056	199,359
Total number of employees, 2007	18,213	404,252	3,631,658
Manufacturers' shipments, 2007 (\$1000)	597,289	12,207,299	116,608,094
Merchant wholesaler sales, 2007 (\$1000)	\$712,194	\$32,631,795	\$233,413,004
Retail sales, 2007 (\$1000)	\$900,065	\$11,131,032	\$124,813,580
Retail sales per capita, 2007	\$22,930	\$14,274	\$14,453
Accommodation and food services sales, 2007 (\$1000)	\$59,273	\$1,275,068	\$19,993,613
Accommodation and food services sales per capita, 2007	\$1,510	\$1,635	\$2,315

Source(s): 2007 Economic Census, 2007 Survey of Business Owners

Construction

The New Jersey Department of Community Affairs publishes construction statistics based on certificates of occupancy, issued by local construction officials and reported to the state. During 2001-2010, North Brunswick accounted for 6.2% of residential COs in Middlesex County, and 2.3% of nonresidential square footage.

Construction QuickFacts	North Brunswick	Middlesex County	New Jersey
Residential COs for housing units, 2001-2010	1,218	19,637	241,645
Residential COs, Units, Municipal Ranking in Middlesex County, 2001-2010	5	N/A	N/A
Nonresidential COs, total square feet of floor area, 2001-2010	1,570,253	69,483,581	452,960,897
Nonresidential COs, Sq. Ft., Municipal Ranking in Middlesex County, 2001-2010	12	N/A	N/A

Source(s): 2001-2010 NJ Department of Community Affairs Construction Reporter

Work Travel Behavior and Employment Characteristics

Commute Shed

From 2006-2010, an average of 18,024 covered jobs were held by North Brunswick residents, while a total of 1,745 residents held covered jobs located in North Brunswick. The majority of residents were employed outside Middlesex County, with the largest share of those commuters travelling to Somerset County. At the municipality level, the largest share of resident commuters stay within North Brunswick Township, with the second largest share travelling to New Brunswick.

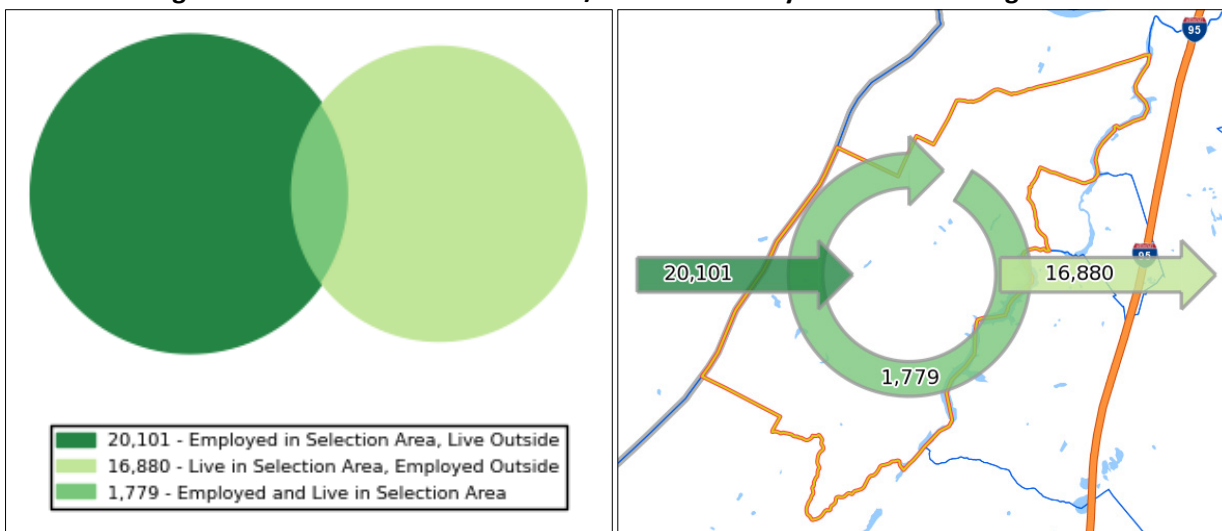
Where Residents are Employed	Number	Percent
Total Primary Jobs, 2006-2010 average	18,024	--
Top-5 Destinations by Municipality		
North Brunswick Township, NJ	1,745	9.7%
New Brunswick City, NJ	1,684	9.3%
Edison Township, NJ	1,100	6.1%
Manhattan Borough, NY	1,084	6.0%
Franklin Township, NJ	849	4.7%
Top-5 Destinations by County		
Middlesex County, NJ	8,368	46.4%
Somerset County, NJ	1,905	10.6%
Mercer County, NJ	1,250	6.9%
New York County, NY	1,084	6.0%
Union County, NJ	766	4.2%

Labor Shed

An average of 22,118 people had primary employment in Cranbury Township during the 2006-2010 period. More than a third of these people lived in Middlesex County, with the next largest share coming from Somerset County. The largest municipal share outside of North Brunswick Township itself came from Franklin Township of Somerset County, followed by the City of New Brunswick.

Where Employees Reside	Number	Percent
Total Primary Jobs, 2006-2010 average	22,118	--
Top-5 Origins by Municipality		
North Brunswick Township, NJ	1,745	7.9%
Franklin Township, NJ	826	3.7%
New Brunswick City, NJ	769	3.5%
South Brunswick Township, NJ	702	3.2%
Edison Township, NJ	681	3.1%
Top-5 Origins by County		
Middlesex County, NJ	8,026	36.3%
Somerset County, NJ	1,970	8.9%
Mercer County, NJ	1,540	7.0%
Monmouth County, NJ	1,382	6.2%
Union County, NJ	1,288	5.8%

Figure 14-1: North Brunswick Inflow/Outflow Primary Job Counts during 2010



Source: US Census Bureau, Longitudinal Employer-Household Dynamics (LEHD)

Journey-to-Work

During the 2006-2010 period, the overwhelming majority of people commuting from North Brunswick (76.3%) drove to work in cars occupied solely by the driver. This was true for both commuters within Middlesex County, as well as commuters that left the county, but remained in-state.

Commuting QuickFacts	North Brunswick	Middlesex County	New Jersey
Mean travel time to work (minutes), workers age 16+, 2006-2010	32.0	31.7	29.8
Drove alone to work, percent of workers, 2006-2010	74.2%	73.1%	71.6%
Public transportation to work, percent of workers, 2006-2010	8.7%	9.8%	10.6%

Source: 2006-2010 American Community Survey

A majority of people commuting out-of-state used public transit to reach their destination, while 0.8% of all commuters walked to work. An additional 6.9% worked from home, and therefore did not have a significant impact on the morning or evening rush hours.

Means of Commuting	All Places of Work		In-state, In-county		In-state, Out-of-county		Out-of-State	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Drove Alone	14,531	74.2%	8,976	75.7%	5,106	85.4%	449	25.6%
Carpooled	2,116	10.8%	1,376	11.6%	632	10.6%	108	6.2%
Public Transit	1,705	8.7%	347	2.9%	193	3.2%	1,165	66.4%
Taxi, Motorcycle, Bicycle, or Other	150	0.8%	99	0.8%	36	0.6%	15	0.9%
Walked	272	1.4%	240	2.0%	15	0.3%	17	1.0%
Worked from Home	816	4.2%	816	6.9%	--	--	--	--
Total	19,590	100.0%	11,854	100.0%	5,982	100.0%	1,754	100.0%

Source: 2006-2010 American Community Survey

Transportation Planning Documents

North Brunswick most recently updated their Master Plan in May of 2006, at which time the circulation element was also updated. The following potential improvements were included in the North Brunswick Township Master Plan:

Table 14-1 North Brunswick Roadway Recommendations

Jurisdiction	Type	Location	Description	Status
Local	New Construction	Hartland Commons (between Aaron Road and Finnegans Lane)	Extension	
Local	New Construction	Eastern edge of U.S. 1, between Commerce Road and Finnegans Lane	New 2-lane roadway	
Local	New Construction	Adams Lane to Carolier Lane, via Birchwood Court and Society Way	Contiguous linkage	
	New Construction	Finnegans Lane between U.S. 1 and U.S. 130	Extend to connect with U.S. 130 (also in South Brunswick)	
	Expansion	U.S. 1 (South of Aaron Road)	Widen to 3 lanes	
	Expansion	Cozzens Lane from Sabella Park Culvert to Rt. 27	Widening	
	Realignment	Adams Lane	Alter curve for better traffic/pedestrian management	
	New Construction	Parallel U.S. 1, connect with Finnegans Ln./Aaron Rd./Commerce Blvd./Cozzens Ln.	Access for J&J site redevelopment/possible train station	

Table 14-2 North Brunswick Intersection Recommendations

Jurisdiction	Type	Location	Description	Status
	New Construction	Cozzens Lane/Adams Lane at U.S. 1	2-Phase reconstruction, interconnecting roads and adding roundabouts	
	New Construction	Between U.S. 1/U.S. 130 and U.S. 1/Milltown Road, north and south of U.S. 1	Parallel roads alongside U.S. 1, linked w/ highway and at intersections w/ roundabouts	
	Reconfiguration	U.S. 1/Finnegans Lane	Additional left turn lane on Finnegans	
	Reconfiguration	Rt. 27/Cozzens Lane	Separate turning lanes from Rt. 27	
	Reconfiguration	Rt. 26/How Lane	Replace intersection with roundabout	
	Reconfiguration	U.S. 1/Commerce Boulevard	Replace center lane with shared left/through, or modify intersection timing	
	Pedestrian	U.S. 1/Commerce Boulevard	Install pedestrian improvements	
	Reconfiguration	U.S. 1/Adams Lane/Cozzens Lane	Pre-reconstruction alterations, change lane alignments for better turn/through flow	
	Traffic Control	U.S. 130/Renaissance Boulevard	Modify Signal Timing	
	Reconfiguration	U.S. 130/Washington Place	Add dedicated turn lanes	
	Reconfiguration	U.S. 130/Davidson's Mill Road (Finnegans Lane)	Add right turn lanes on U.S. 130, dedicated left turn lane on Finnegans	
	Traffic Control	Georges Road/Milltown Road/Hermann Road	Increase lighting, restripe, change light timings/right on red removal	
	Traffic Control	Jersey Avenue/How Lane	Modify Signal Timing	
	Traffic Control	Cleremont Avenue/Linwood Place	Traffic Calming	
	Reconfiguration	Aaron Road/Hartland Commons	Remove restrictions on turning	
	Pedestrian	Rt. 27/Cozzens Lane	Install crosswalks, pedestrian heads	
	Traffic Control	Livingston Avenue/How Lane	Place "No Turn on Red" signs on traffic light mast arm	

Table 14-3 North Brunswick Miscellaneous Recommendations

Type	Description	Status
	Johnson and Johnson Factory Site Redevelopment	
Bus/Rail	Train Station at Johnson and Johnson Site	

15. Old Bridge Township

Background

Old Bridge Township is a municipality located in central Middlesex County. Formed from parts of South Amboy and incorporated as Madison Township in 1869, voters changed the municipality's name in 1975 to avoid confusion with the borough of Madison, located in Morris County. Beginning as a farming community in the colonial era, Old Bridge grew into an industrial town concurrent with railroad construction in the mid-1800s. By the mid 1900s, manufacturing was in decline, factories largely replaced by residential growth. The township has a total land area of 38.1 square miles, and shares borders with Sayreville Borough, East Brunswick Township, Spotswood Borough and Monroe Township in Middlesex County, Aberdeen Township, Matawan, Marlboro Township and Manalapan Township in Monmouth County, and Richmond County, NY (Borough of Staten Island) across Raritan Bay.

Geography QuickFacts	Old Bridge	Middlesex County	New Jersey
Land area in square miles, 2010	38.1	308.9	7,354.2
Persons per square mile of land area, 2010	1,717.7	2,621.6	1,195.5
Population density, municipal ranking in Middlesex County, 2010	22	N/A	N/A
Housing units per square mile of land area, 2010	647.3	954.3	483.2
Housing unit density, municipal ranking in Middlesex County, 2010	22	N/A	N/A
Water area in square miles, 2010	2.7	13.9	1,368.4
Total area in square miles, 2010	40.8	322.8	8,722.6

Source: 2010 Decennial Census

Population, Housing and Households

Population

During the 2010 Census, Old Bridge Township had a population of 65,375. Average data for the 2006-2010 period comes from the American Community Survey 5-year estimates.

Population QuickFacts	Old Bridge	Middlesex County	New Jersey
Population, 2011 estimate	65,733	814,217	8,821,155
Population, 2010	65,375	809,858	8,791,894
Population change, 2000 to 2010	+ 4,919	+ 59,696	+ 377,544
Population, percent change, 2000 to 2010	+ 8.1%	+ 8.0%	+ 4.5%
Population, 2000	60,456	750,162	8,414,350
Persons under 5 years, percent, 2010	5.8%	6.2%	6.2%
Persons under 18 years, percent, 2010	22.8%	22.9%	23.5%
Persons 65 years and over, percent, 2010	12.1%	12.3%	13.5%
Median age of population, 2010	40.1	37.2	39.0
Living in same house 1 year & over, 2006-2010	91.9%	88.3%	89.4%
Foreign born persons, percent, 2006-2010	22.4%	29.4%	20.3%
Language other than English spoken at home, pct age 5+, 2006-2010	30.3%	39.5%	28.7%
High school graduates, percent of persons age 25+, 2006-2010	90.5%	88.0%	87.3%
Bachelor's degree or higher, pct of persons age 25+, 2006-2010	34.8%	38.4%	34.6%

Source(s): 2010 Decennial Census, 2006-2010 American Community Survey

Housing

The same census indicated that there were 24,638 housing units in Old Bridge Township. Of these houses, 41.0% were built in 1970 or later, and 16.4% were built in 1990 or later. The median home value was \$363,700, and 76.9% of housing units had a mortgage.

Housing QuickFacts	Old Bridge	Middlesex County	New Jersey
Housing units, 2010	24,638	294,800	3,553,562
Housing units change, 2000 to 2010	+ 2,742	+ 21,163	+ 243,287
Housing units, percent change, 2000 to 2010	+ 12.5%	+ 7.7%	+ 7.3%
Housing units, 2000	21,896	273,637	3,310,275
Homeownership rate, 2006-2010	70.7%	67.0%	66.9%
Housing units in multi-unit structures, percent, 2006-2010	28.7%	34.4%	35.9%
Median value of owner-occupied housing units, 2006-2010	\$363,700	\$356,000	\$357,000
Occupied housing units with no vehicle available, percent, 2006-2010	5.0%	8.3%	11.7%
Average number of vehicles per occupied housing unit, 2006-2010	1.9	1.8	1.7

Source(s): 2010 Decennial Census, 2006-2010 American Community Survey

Households

Census defines a household as the group of people occupying distinct living quarters. This group lives and eats separately from other persons, and must have direct access to their housing unit from outside or a common hall.

Household QuickFacts	Old Bridge	Middlesex County	New Jersey
Households, 2006-2010	23,098	277,398	3,176,069
Persons per household, 2006-2010	2.77	2.78	2.69

Source: 2006-2010 American Community Survey

Economic Characteristics

Occupations and Industries of Residents (Labor Force)

During 2006-2010, of the 51,046 individuals age 16 and over, 70.4% were in the labor force. Based on data from the American Community Survey, the three largest professions were:

- Management, business, science and arts occupations, 40.8%
- Sales and office occupations, 28.9%
- Service occupations, 12.5%

When grouped by industry, the three largest shares of the municipal labor force worked in:

- Educational services, health care and social assistance, 19.7%
- Retail trade, 13.1%
- Professional, scientific, management, administrative and waste management services, 11.6%

Income

During 2006-2010, the median household income in Old Bridge Township was \$82,640, while the average household income was \$97,481. On a per capita basis, individual income was \$35,666, while 7.4% of the population was living below the poverty level.

Income QuickFacts	Old Bridge	Middlesex County	New Jersey
Per capita money income in past 12 months (2010 dollars) 2006-2010	\$35,666	\$33,289	\$34,858
Median household income, (2010 dollars) 2006-2010	\$82,640	\$77,615	\$69,811
Persons below poverty level, percent, 2006-2010	4.1%	7.4%	9.1%

Source: 2006-2010 American Community Survey

Businesses

Business data is drawn from two datasets produced by the US Census Bureau. The Economic Census, published every 5 years and last released in 2007, is based on a pure population count, similar to the decennial census. It provides information about the size and number of firms, broken out by industry sector. The Survey of Business Owners, published every 5 years and last released in 2007, is based on statistical methodologies and random sampling. It provides information about the number, size and payroll of firms, broken out by sector, gender, ethnicity, race and veteran status.

Business QuickFacts	Old Bridge	Middlesex County	New Jersey
Total number of firms, 2007	1,207	19,056	199,359
Total number of employees, 2007	11,572	404,252	3,631,658
Manufacturers' shipments, 2007 (\$1000)	270,761	12,207,299	116,608,094
Merchant wholesaler sales, 2007 (\$1000)	\$795,825	\$32,631,795	\$233,413,004
Retail sales, 2007 (\$1000)	\$601,712	\$11,131,032	\$124,813,580
Retail sales per capita, 2007	\$9,226	\$14,274	\$14,453
Accommodation and food services sales, 2007 (\$1000)	\$64,330	\$1,275,068	\$19,993,613
Accommodation and food services sales per capita, 2007	\$986	\$1,635	\$2,315

Source(s): 2007 Economic Census, 2007 Survey of Business Owners

Construction

The New Jersey Department of Community Affairs publishes construction statistics based on certificates of occupancy, issued by local construction officials and reported to the state. During 2001-2010, Old Bridge accounted for 10.1% of residential COs in Middlesex County, and 2.8% of nonresidential square footage.

Construction QuickFacts	Old Bridge	Middlesex County	New Jersey
Residential COs for housing units, 2001-2010	1,977	19,637	241,645
Residential COs, Units, Municipal Ranking in Middlesex County, 2001-2010	3	N/A	N/A
Nonresidential COs, total square feet of floor area, 2001-2010	1,961,843	69,483,581	452,960,897
Nonresidential COs, Sq. Ft., Municipal Ranking in Middlesex County, 2001-2010	10	N/A	N/A

Source(s): 2001-2010 NJ Department of Community Affairs Construction Reporter

Work Travel Behavior and Employment Characteristics

Commute Shed

From 2006-2010, an average of 28,145 covered jobs were held by Old Bridge residents, while a total of 2,083 residents held covered jobs located in Old Bridge. The majority of residents were employed outside Middlesex County, with the largest share of those commuters travelling to Monmouth County. At the municipality level, the largest share of resident commuters travel into Manhattan, with the second largest staying in Old Bridge.

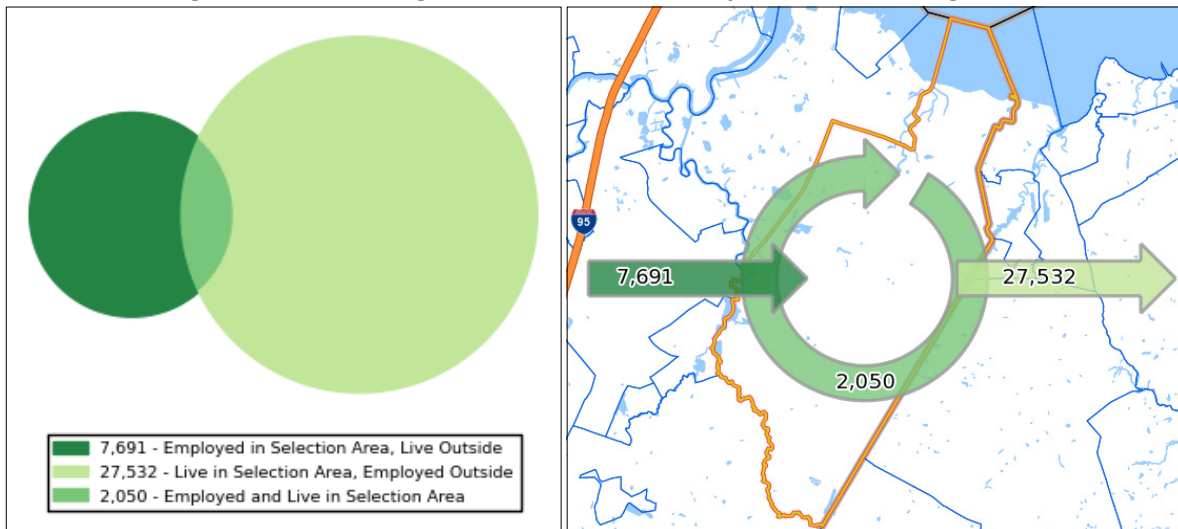
Where Residents are Employed	Number	Percent
Total Primary Jobs, 2006-2010 average	28,145	--
Top-5 Destinations by Municipality		
Manhattan Borough, NY	2,285	8.1%
Old Bridge Township, NJ	2,083	7.4%
Edison Township, NJ	1,206	4.3%
East Brunswick Township, NJ	1,025	3.6%
Woodbridge Township, NJ	949	3.4%
Top-5 Destinations by County		
Middlesex County, NJ	9,849	35.0%
Monmouth County, NJ	4,692	16.7%
New York County, NY	2,285	8.1%
Union County, NJ	1,800	6.4%
Essex County, NJ	1,327	4.7%

Labor Shed

An average of 10,010 people had primary covered employment in Old Bridge Township during the 2006-2010 period. Nearly half of these people lived in Middlesex County, with the next largest share coming from Monmouth County. The largest municipal share outside of Old Bridge Township itself came from Sayreville Borough, followed by Woodbridge Township.

Where Employees Reside	Number	Percent
Total Primary Jobs, 2006-2010 average	10,010	--
Top-5 Origins by Municipality		
Old Bridge Township, NJ	2,083	20.8%
Sayreville Borough, NJ	523	5.2%
Woodbridge Township, NJ	278	2.8%
Marlboro Township, NJ	274	2.7%
East Brunswick Township, NJ	247	2.5%
Top-5 Origins by County		
Middlesex County, NJ	4,633	46.3%
Monmouth County, NJ	2,170	21.7%
Ocean County, NJ	534	5.3%
Union County, NJ	357	3.6%
Somerset County, NJ	257	2.6%

Figure 15-1: Old Bridge Inflow/Outflow Primary Job Counts during 2010



Source: US Census Bureau, Longitudinal Employer-Household Dynamics (LEHD)

Journey-to-Work

During the 2006-2010 period, a majority of people commuting from Old Bridge (73.1%) drove to work in cars occupied solely by the driver. This was true for both commuters within Middlesex County, as well as commuters that left the county, but remained in-state.

Commuting QuickFacts	Old Bridge	Middlesex County	New Jersey
Mean travel time to work (minutes), workers age 16+, 2006-2010	36.5	31.7	29.8
Drove alone to work, percent of workers, 2006-2010	73.1%	73.1%	71.6%
Public transportation to work, percent of workers, 2006-2010	12.0%	9.8%	10.6%

Source: 2006-2010 American Community Survey

A majority of people commuting out-of-state used public transit to reach their destination, while 1.7% of all commuters walked to work. An additional 4.9% worked from home, and therefore did not have a significant impact on the morning or evening rush hours.

Means of Commuting	All Places of Work		In-state, In-county		In-state, Out-of-county		Out-of-State	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Drove Alone	23,934	73.1%	11,672	77.2%	10,409	87.0%	1,853	32.8%
Carpooled	2,521	7.7%	1,136	7.5%	972	8.1%	413	7.3%
Public Transit	3,920	12.0%	110	0.7%	481	4.0%	3,329	58.9%
Taxi, Motorcycle, Bicycle, or Other	193	0.6%	93	0.6%	91	0.8%	9	0.2%
Walked	552	1.7%	492	3.3%	10	0.1%	50	0.9%
Worked from Home	1,612	4.9%	1,612	10.7%	--	--	--	--
Total	32,732	100.0%	15,115	100.0%	11,963	100.0%	5,654	100.0%

Source: 2006-2010 American Community Survey

Transportation Planning Documents

Old Bridge most recently updated their Master Plan in December of 1987, at which time the circulation element was also updated. The most recent reexamination report is from September 2007. The following potential improvements were included in the Old Bridge Township Master Plan:

Table 15-1 Old Bridge Roadway Recommendations

Jurisdiction	Type	Location	Description	Status
	Expansion	Matawan-Old Bridge Road	Widen to 44 feet with two 12 foot lanes	
	Expansion	Cottrell Road	Widening	
	Expansion	"New" Jake Brown Road	Two lanes, shoulders for bike route, sidewalks	
	Expansion	U.S. 9 north of CR 516	Widening	

Table 15-2 Old Bridge Intersection Recommendations

Jurisdiction	Type	Location	Description	Status
		17 INTERSECTIONS MAPPED FOR RECONFIGURATION/EXPANSION IN 1987 MASTER PLAN		

16. Perth Amboy City

Background

The City of Perth Amboy is located on the northern bank of the Raritan Bay, at the mouth of the Raritan River. First settled around 1683, it served as a capital of the Province of New Jersey from 1686 until 1776. The city was formally established by British Royal Charter in 1718 and again in 1784 by an Act of the New Jersey Legislature, with land taken from Woodbridge and Perth Amboy townships. In 1844, the city absorbed Perth Amboy Township, a jurisdiction first incorporated in 1798 as one of New Jersey's initial 104 municipalities. The city's waterfront location made it a hub of transportation, commerce and industry during the 1800s, a reputation further strengthened by rail service (today's NJ Transit North Jersey Coast Line). However, the decline of industry significantly impacted the city, though redevelopment has helped rejuvenate some areas. Perth Amboy has a total land area of 4.7 square miles, and shares borders with Woodbridge Township, Sayreville Borough and South Amboy in Middlesex County, as well as Richmond County, NY (Borough of Staten Island) across the Arthur Kill.

Geography QuickFacts	Perth Amboy	Middlesex County	New Jersey
Land area in square miles, 2010	4.7	308.9	7,354.2
Persons per square mile of land area, 2010	10,806.8	2,621.6	1,195.5
Population density, municipal ranking in Middlesex County, 2010	1	N/A	N/A
Housing units per square mile of land area, 2010	3,521.0	954.3	483.2
Housing unit density, municipal ranking in Middlesex County, 2010	1	N/A	N/A
Water area in square miles, 2010	1.3	13.9	1,368.4
Total area in square miles, 2010	6.0	322.8	8,722.6

Source: 2010 Decennial Census

Population, Housing and Households

Population

During the 2010 Census, Perth Amboy had a population of 50,814. Average data for the 2006-2010 period comes from the American Community Survey 5-year estimates.

Population QuickFacts	Perth Amboy	Middlesex County	New Jersey
Population, 2011 estimate	51,093	814,217	8,821,155
Population, 2010	50,814	809,858	8,791,894
Population change, 2000 to 2010	+ 3,511	+ 59,696	+ 377,544
Population, percent change, 2000 to 2010	+ 7.4%	+ 8.0%	+ 4.5%
Population, 2000	47,303	750,162	8,414,350
Persons under 5 years, percent, 2010	7.9%	6.2%	6.2%
Persons under 18 years, percent, 2010	27.3%	22.9%	23.5%
Persons 65 years and over, percent, 2010	9.3%	12.3%	13.5%
Median age of population, 2010	32.4	37.2	39.0
Living in same house 1 year & over, 2006-2010	89.3%	88.3%	89.4%
Foreign born persons, percent, 2006-2010	37.0%	29.4%	20.3%
Language other than English spoken at home, pct age 5+, 2006-2010	74.5%	39.5%	28.7%
High school graduates, percent of persons age 25+, 2006-2010	67.0%	88.0%	87.3%
Bachelor's degree or higher, pct of persons age 25+, 2006-2010	13.9%	38.4%	34.6%

Source(s): 2010 Decennial Census, 2006-2010 American Community Survey

Housing

The same census indicated that there were 16,556 housing units in Perth Amboy City. Of these houses, 28.7% were built in 1970 or later, and 16.4% were built in 1990 or later. The median home value was \$310,500, and 79.6% of housing units had a mortgage.

Housing QuickFacts	Perth Amboy	Middlesex County	New Jersey
Housing units, 2010	16,556	294,800	3,553,562
Housing units change, 2000 to 2010	+ 1,320	+ 21,163	+ 243,287
Housing units, percent change, 2000 to 2010	+ 8.7%	+ 7.7%	+ 7.3%
Housing units, 2000	15,236	273,637	3,310,275
Homeownership rate, 2006-2010	37.8%	67.0%	66.9%
Housing units in multi-unit structures, percent, 2006-2010	64.6%	34.4%	35.9%
Median value of owner-occupied housing units, 2006-2010	\$310,500	\$356,000	\$357,000
Occupied housing units with no vehicle available, percent, 2006-2010	23.9%	8.3%	11.7%
Average number of vehicles per occupied housing unit, 2006-2010	1.3	1.8	1.7

Source(s): 2010 Decennial Census, 2006-2010 American Community Survey

Households

Census defines a household as the group of people occupying distinct living quarters. This group lives and eats separately from other persons, and must have direct access to their housing unit from outside or a common hall.

Household QuickFacts	Perth Amboy	Middlesex County	New Jersey
Households, 2006-2010	16,365	277,398	3,176,069
Persons per household, 2006-2010	3.03	2.78	2.69

Source: 2006-2010 American Community Survey

Economic Characteristics

Occupations and Industries of Residents (Labor Force)

During 2006-2010, of the 38,199 individuals age 16 and over, 64.3% were in the labor force. Based on data from the American Community Survey, the three largest professions were:

- Production, transportation, and material moving occupations, 27.6%
- Sales and office occupations, 27.0%
- Management, business, science and arts occupations, 19.4%

When grouped by industry, the three largest shares of the municipal labor force worked in:

- Manufacturing, 15.1%
- Educational services, health care and social assistance, 14.6%
- Retail trade, 14.3%

Income

During 2006-2010, the median household income in Perth Amboy was \$47,696, while the average household income was \$58,722. On a per capita basis, individual income was \$20,162, while 7.4% of the population was living below the poverty level.

Income QuickFacts	Perth Amboy	Middlesex County	New Jersey
Per capita money income in past 12 months (2010 dollars) 2006-2010	\$20,162	\$33,289	\$34,858
Median household income, (2010 dollars) 2006-2010	\$47,696	\$77,615	\$69,811
Persons below poverty level, percent, 2006-2010	19.4%	7.4%	9.1%

Source: 2006-2010 American Community Survey

Businesses

Business data is drawn from two datasets produced by the US Census Bureau. The Economic Census, published every 5 years and last released in 2007, is based on a pure population count, similar to the decennial census. It provides information about the size and number of firms, broken out by industry sector. The Survey of Business Owners, published every 5 years and last released in 2007, is based on statistical methodologies and random sampling. It provides information about the number, size and payroll of firms, broken out by sector, gender, ethnicity, race and veteran status.

Business QuickFacts	Perth Amboy	Middlesex County	New Jersey
Total number of firms, 2007	860	19,056	199,359
Total number of employees, 2007	10,024	404,252	3,631,658
Manufacturers' shipments, 2007 (\$1000)	938,547	12,207,299	116,608,094
Merchant wholesaler sales, 2007 (\$1000)	\$361,389	\$32,631,795	\$233,413,004
Retail sales, 2007 (\$1000)	\$340,743	\$11,131,032	\$124,813,580
Retail sales per capita, 2007	\$7,047	\$14,274	\$14,453
Accommodation and food services sales, 2007 (\$1000)	\$32,547	\$1,275,068	\$19,993,613
Accommodation and food services sales per capita, 2007	\$673	\$1,635	\$2,315

Source(s): 2007 Economic Census, 2007 Survey of Business Owners

Construction

The New Jersey Department of Community Affairs publishes construction statistics based on certificates of occupancy, issued by local construction officials and reported to the state. During 2001-2010, Perth Amboy accounted for 2.3% of residential COs in Middlesex County, and 3.4% of nonresidential square footage.

Construction QuickFacts	Perth Amboy	Middlesex County	New Jersey
Residential COs for housing units, 2001-2010	458	19,637	241,645
Residential COs, Units, Municipal Ranking in Middlesex County, 2001-2010	11	N/A	N/A
Nonresidential COs, total square feet of floor area, 2001-2010	2,369,034	69,483,581	452,960,897
Nonresidential COs, Sq. Ft., Municipal Ranking in Middlesex County, 2001-2010	8	N/A	N/A

Source(s): 2001-2010 NJ Department of Community Affairs Construction Reporter

Work Travel Behavior and Employment Characteristics

Commute Shed

From 2006-2010, an average of 20,696 covered jobs were held by Perth Amboy residents, while a total of 3,159 residents held covered jobs located in Perth Amboy. The majority of residents were employed in Middlesex County, with the largest share of outbound commuters travelling to Union County. At the municipality level, the largest share of resident commuters stay within Perth Amboy, with the second largest share travelling to Edison.

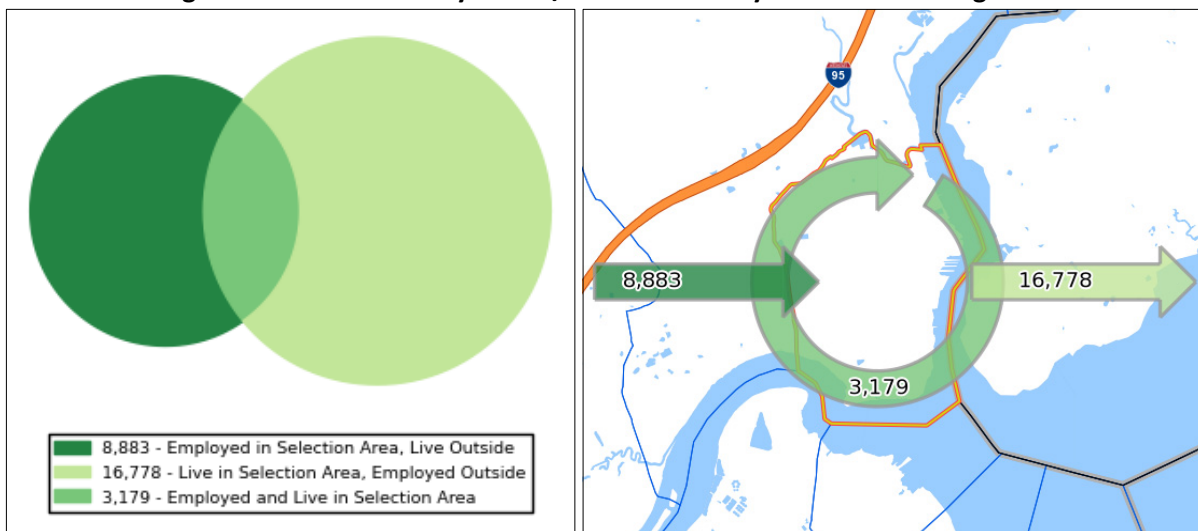
<i>Labor Force: Where Residents are Employed</i>	Number	Percent
Total Primary Jobs, 2006-2010 average	20,696	--
Top-5 Destinations by Municipality		
Perth Amboy City, NJ	3,159	15.3%
Edison Township, NJ	2,604	12.6^
Woodbridge Township, NJ	1,441	7.0%
Manhattan Borough, NY	941	4.5%
Newark City, NJ	619	3.0%
Top-5 Destinations by County		
Middlesex County, NJ	10,910	52.7%
Union County, NJ	1,489	7.2%
Essex County, NJ	1,206	5.8%
New York County, NY	941	4.5%
Bergen County, NJ	830	4.0%

Labor Shed

An average of 11,333 people had primary covered employment in Perth Amboy during the 2006-2010 period. More than half of these people lived in Middlesex County, with the next largest share coming from Monmouth County. The largest municipal share outside of Perth Amboy itself came from Woodbridge Township, followed by Edison Township.

<i>Workforce: Where Employees Reside</i>	Number	Percent
Total Primary Jobs, 2006-2010 average	11,333	--
Top-5 Origins by Municipality		
Perth Amboy City, NJ	3,159	27.9%
Woodbridge Township, NJ	990	8.7%
Edison Township, NJ	427	3.8%
Sayreville Borough, NJ	366	3.2%
Old Bridge Township, NJ	366	3.2%
Top-5 Origins by County		
Middlesex County, NJ	6,513	57.5%
Monmouth County, NJ	1,021	9.0%
Union County, NJ	792	7.0%
Ocean County, NJ	358	3.2%
Somerset County, NJ	316	2.8%

Figure 16-1: Perth Amboy Inflow/Outflow Primary Job Counts during 2010



Source: US Census Bureau, Longitudinal Employer-Household Dynamics (LEHD)

Journey-to-Work

During the 2006-2010 period, a majority of people commuting from Perth Amboy (74.9%) drove to work in cars occupied solely by the driver. This was true for both commuters within Middlesex County, as well as commuters that left the county, but remained in-state.

Commuting QuickFacts	Perth Amboy	Middlesex County	New Jersey
Mean travel time to work (minutes), workers age 16+, 2006-2010	21.9	31.7	29.8
Drove alone to work, percent of workers, 2006-2010	74.9%	73.1%	71.6%
Public transportation to work, percent of workers, 2006-2010	6.9%	9.8%	10.6%

Source: 2006-2010 American Community Survey

A plurality of people commuting out-of-state drove to work, while another 43.9% of commuters leaving the state used public transit. An additional 5.2% of commuters walked to work, while 0.4% of all commuters worked from home, and therefore did not have a significant impact on the morning or evening rush hours.

Means of Commuting	All Places of Work		In-state, In-county		In-state, Out-of-county		Out-of-State	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Drove Alone	16,844	74.9%	12,619	75.1%	3,645	81.5%	580	48.2%
Carpooled	2,300	10.2%	1,795	10.7%	418	9.3%	87	7.2%
Public Transit	1,562	6.9%	705	4.2%	328	7.3%	529	43.9%
Taxi, Motorcycle, Bicycle, or Other	527	2.3%	439	2.6%	80	1.8%	8	0.7%
Walked	1,169	5.2%	1,169	7.0%	0	0.0%	0	0.0%
Worked from Home	84	0.4%	84	0.5%	--	--	--	--
Total	22,486	100.0%	16,811	100.0%	4,471	100.0%	1,204	100.0%

Source: 2006-2010 American Community Survey

Transportation Planning Documents

Perth Amboy most recently updated their Master Plan in January of 2003, at which time the circulation element was also updated. The following potential improvements were included in the Perth Amboy Master Plan:

Table 16-1 Perth Amboy Roadway Recommendations

Jurisdiction	Type	Location	Description	Status
	New Construction	Pulaski Avenue between State Street and Cortlandt Street	New roadway	
	New Construction	Riverview Drive	Industrial bypass roadway south of Market Street	
	New Construction	High Street	Lengthen from current terminus to Rt. 440	
	New Construction	Hall Street from State Street to High Street	Extend to High Street in Harbortown (crosses railroad ROW)	
	New Construction	Maurer Road from Convery Boulevard to Amboy Avenue	Alignment follows Bentley Road	
	Expansion	Maurer Road underpass below NJT North Jersey Coast Line	Widen to multi-lane and increase clearance to allow truck passage	
	New Construction	Market Street to Riverview Drive (west of Victory Bridge)	If Victory Bridge is raised, allowing clearance	
	New Construction	Riverview Drive to Sadowski Parkway	Contiguous link between roads, requires overpass at NJCL	
	New Construction	Riverview Drive from Grant Street past Elm Street	Straight extension past Elm, curved route before	
	New Construction	Smith Street Connector to Fayette Street/Goodwin Street	Two lanes, partially follows RR ROW. Rail bridge will need reconstruction. Requires taking of property.	

Table 16-2 Perth Amboy Intersection Recommendations

Jurisdiction	Type	Location	Description	Status
	Reconfiguration	Fayette Street-Goodwin Street/State Street Connector	Improve traffic flow/sight lines	
	New Construction	(New) High Street and Rt. 440	Modify existing ramps from State Street	
	Traffic Control	Smith Street/Riverview Drive	Signalization	
	Traffic Control	Smith Street/Goodwin Street	Signalization	

Table 16-3 Perth Amboy Public Transit Recommendations

Jurisdiction	Type	Location	Description	Status
	Study Required	Waterfront Locations	Ferry/Water Taxi service	
	New Construction	Waterfront Locations	Ferry Drop-off/Pick-up locations	
	Study Required		Expand loop trackless trolley system, possible waterfront line	

Table 16-4 Perth Amboy Parking Recommendations

Jurisdiction	Type	Location	Description	Status
	New Construction	Central Business District Municipal Lots	Consider conversion to multi-level parking deck	

Table 16-5 Perth Amboy Miscellaneous Recommendations

Type	Description	Status
Ferry Service	Evaluate creation of Water Taxi between Perth Amboy, Staten Island/Keansburg/Belford/Atlantic Highlands/Sandy Hook	
	Expansion of parking areas in CBD	
	Install stop signs at all side streets meeting primary east-west and north-south collector roads	
	Evaluate city/vacant/underutilized land for construction of additional parking facilities in areas with limited parking	
	Enhance and improve street signs for navigation/waterfront promotion	
Bus/Rail	Revise/expand bus routes to address transit needs from redevelopment	
Bike/Ped	Add bicycle/pedestrian routes	

17. Piscataway Township

Background

Piscataway Township is a municipality located in northern Middlesex County. The earliest European settlers moved to the area in 1666, while the municipality was officially incorporated in 1798. Much of the original land area was later taken to form other municipalities, with the largest becoming Edison Township. Settled as an agricultural community, industry grew along the Raritan in the late 1800s, declining in the mid-20th century. Modern-era growth stemmed from the 1960 opening of I-287, which increased access for suburban and commercial development. The township has a total land area of 18.8 square miles, and shares borders with Middlesex Borough, Dunellen Borough, South Plainfield Borough, Edison Township, Highland Park Borough and New Brunswick in Middlesex County, Franklin Township and South Bound Brook in Somerset County, and Plainfield in Union County.

Geography QuickFacts	Piscataway	Middlesex County	New Jersey
Land area in square miles, 2010	18.8	308.9	7,354.2
Persons per square mile of land area, 2010	2,975.5	2,621.6	1,195.5
Population density, municipal ranking in Middlesex County, 2010	16	N/A	N/A
Housing units per square mile of land area, 2010	943.8	954.3	483.2
Housing unit density, municipal ranking in Middlesex County, 2010	19	N/A	N/A
Water area in square miles, 2010	0.2	13.9	1,368.4
Total area in square miles, 2010	19.0	322.8	8,722.6

Source: 2010 Decennial Census

Population, Housing and Households

Population

During the 2010 Census, Piscataway Township had a population of 56,044. Average data for the 2006-2010 period comes from the American Community Survey 5-year estimates.

Population QuickFacts	Piscataway	Middlesex County	New Jersey
Population, 2011 estimate	56,316	814,217	8,821,155
Population, 2010	56,044	809,858	8,791,894
Population change, 2000 to 2010	+ 5,562	+ 59,696	+ 377,544
Population, percent change, 2000 to 2010	+ 11.0%	+ 8.0%	+ 4.5%
Population, 2000	50,482	750,162	8,414,350
Persons under 5 years, percent, 2010	5.9%	6.2%	6.2%
Persons under 18 years, percent, 2010	20.1%	22.9%	23.5%
Persons 65 years and over, percent, 2010	9.7%	12.3%	13.5%
Median age of population, 2010	33.0	37.2	39.0
Living in same house 1 year & over, 2006-2010	86.2%	88.3%	89.4%
Foreign born persons, percent, 2006-2010	32.1%	29.4%	20.3%
Language other than English spoken at home, pct age 5+, 2006-2010	37.3%	39.5%	28.7%
High school graduates, percent of persons age 25+, 2006-2010	92.9%	88.0%	87.3%
Bachelor's degree or higher, pct of persons age 25+, 2006-2010	46.5%	38.4%	34.6%

Source(s): 2010 Decennial Census, 2006-2010 American Community Survey

Housing

The same census indicated that there were 17,777 housing units in Piscataway Township. Of these houses, 54.0% were built in 1970 or later, and 21.7% were built in 1990 or later. The median home value was \$362,700, and 79.7% of housing units had a mortgage.

Housing QuickFacts	Piscataway	Middlesex County	New Jersey
Housing units, 2010	17,777	294,800	3,553,562
Housing units change, 2000 to 2010	+ 831	+ 21,163	+ 243,287
Housing units, percent change, 2000 to 2010	+ 4.9%	+ 7.7%	+ 7.3%
Housing units, 2000	16,946	273,637	3,310,275
Homeownership rate, 2006-2010	71.0%	67.0%	66.9%
Housing units in multi-unit structures, percent, 2006-2010	31.6%	34.4%	35.9%
Median value of owner-occupied housing units, 2006-2010	\$362,700	\$356,000	\$357,000
Occupied housing units with no vehicle available, percent, 2006-2010	4.1%	8.3%	11.7%
Average number of vehicles per occupied housing unit, 2006-2010	1.9	1.8	1.7

Source(s): 2010 Decennial Census, 2006-2010 American Community Survey

Households

Census defines a household as the group of people occupying distinct living quarters. This group lives and eats separately from other persons, and must have direct access to their housing unit from outside or a common hall.

Household QuickFacts	Piscataway	Middlesex County	New Jersey
Households, 2006-2010	16,915	277,398	3,176,069
Persons per household, 2006-2010	2.84	2.78	2.69

Source: 2006-2010 American Community Survey

Economic Characteristics

Occupations and Industries of Residents (Labor Force)

During 2006-2010, of the 45,673 individuals age 16 and over, 67.2% were in the labor force. Based on data from the American Community Survey, the three largest professions were:

- Management, business, science and arts occupations, 45.9%
- Sales and office occupations, 26.3%
- Service occupations, 12.4%

When grouped by industry, the three largest shares of the municipal labor force worked in:

- Educational services, health care and social assistance, 24.9%
- Manufacturing, 13.4%
- Professional, scientific, management, administrative and waste management services, 12.8%

Income

During 2006-2010, the median household income in Piscataway Township was \$88,428, while the average household income was \$98,477. On a per capita basis, individual income was \$31,254, while 4.3% of the population was living below the poverty level.

Income QuickFacts	Piscataway	Middlesex County	New Jersey
Per capita money income in past 12 months (2010 dollars) 2006-2010	\$31,254	\$33,289	\$34,858
Median household income, (2010 dollars) 2006-2010	\$88,428	\$77,615	\$69,811
Persons below poverty level, percent, 2006-2010	4.3%	7.4%	9.1%

Source: 2006-2010 American Community Survey

Businesses

Business data is drawn from two datasets produced by the US Census Bureau. The Economic Census, published every 5 years and last released in 2007, is based on a pure population count, similar to the decennial census. It provides information about the size and number of firms, broken out by industry sector. The Survey of Business Owners, published every 5 years and last released in 2007, is based on statistical methodologies and random sampling. It provides information about the number, size and payroll of firms, broken out by sector, gender, ethnicity, race and veteran status.

Business QuickFacts	Piscataway	Middlesex County	New Jersey
Total number of firms, 2007	1,169	19,056	199,359
Total number of employees, 2007	37,402	404,252	3,631,658
Manufacturers' shipments, 2007 (\$1000)	1,444,473	12,207,299	116,608,094
Merchant wholesaler sales, 2007 (\$1000)	\$4,257,854	\$32,631,795	\$233,413,004
Retail sales, 2007 (\$1000)	\$319,879	\$11,131,032	\$124,813,580
Retail sales per capita, 2007	\$6,152	\$14,274	\$14,453
Accommodation and food services sales, 2007 (\$1000)	\$79,966	\$1,275,068	\$19,993,613
Accommodation and food services sales per capita, 2007	\$1,538	\$1,635	\$2,315

Source(s): 2007 Economic Census, 2007 Survey of Business Owners

Construction

The New Jersey Department of Community Affairs publishes construction statistics based on certificates of occupancy, issued by local construction officials and reported to the state. During 2001-2010, Piscataway accounted for 2.4% of residential COs in Middlesex County, and 3.1% of nonresidential square footage.

Construction QuickFacts	Piscataway	Middlesex County	New Jersey
Residential COs for housing units, 2001-2010	468	19,637	241,645
Residential COs, Units, Municipal Ranking in Middlesex County, 2001-2010	10	N/A	N/A
Nonresidential COs, total square feet of floor area, 2001-2010	2,138,278	69,483,581	452,960,897
Nonresidential COs, Sq. Ft., Municipal Ranking in Middlesex County, 2001-2010	9	N/A	N/A

Source(s): 2001-2010 NJ Department of Community Affairs Construction Reporter

Work Travel Behavior and Employment Characteristics

Commute Shed

From 2006-2010, an average of 22,729 covered jobs were held by Piscataway residents, while a total of 3,019 residents held covered jobs located in Piscataway. The majority of residents were employed outside Middlesex County, with the largest share of those commuters travelling to Somerset County. At the municipality level, the largest share of resident commuters stay within Piscataway Township, with the second largest share travelling to Edison.

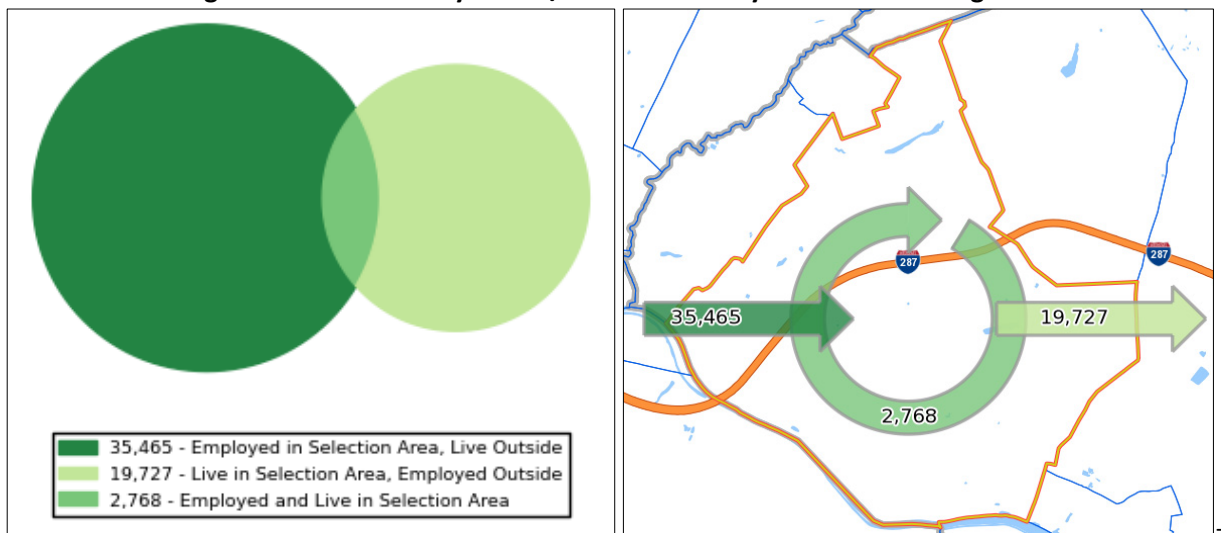
<i>Labor Force: Where Residents are Employed</i>	Number	Percent
Total Primary Jobs, 2006-2010 average	22,729	--
Top-5 Destinations by Municipality		
Piscataway Township, NJ	3,019	13.3%
Edison Township, NJ	1,578	6.9%
South Plainfield Borough, NJ	1,118	4.9%
New Brunswick City, NJ	1,065	4.7%
Franklin Township, NJ	878	3.9%
Top-5 Destinations by County		
Middlesex County, NJ	9,869	43.4%
Somerset County, NJ	3,514	15.5%
Union County, NJ	1,909	8.4%
Essex County, NJ	1,066	4.7%
Morris County, NJ	891	3.9%

Labor Shed

An average of 38,877 people had primary covered employment in Piscataway Township during the 2006-2010 period. More than a quarter of these people lived in Middlesex County, with the next largest share coming from Somerset County. The largest municipal share outside of Piscataway itself came from Edison Township, followed by Franklin Township of neighboring Somerset County.

<i>Workforce: Where Employees Reside</i>	Number	Percent
Total Primary Jobs, 2006-2010 average	38,877	--
Top-5 Origins by Municipality		
Piscataway Township, NJ	3,019	7.8%
Edison Township, NJ	1,702	4.4%
Franklin Township, NJ	1,135	2.9%
Woodbridge Township, NJ	943	2.4%
Plainfield City, NJ	710	1.8%
Top-5 Origins by County		
Middlesex County, NJ	11,985	30.8%
Somerset County, NJ	4,472	11.5%
Union County, NJ	3,198	8.2%
Monmouth County, NJ	2,909	7.5%
Essex County, NJ	1,892	4.9%

Figure 17-1: Piscataway Inflow/Outflow Primary Job Counts during 2010



Source: US Census Bureau, Longitudinal Employer-Household Dynamics (LEHD)

Journey-to-Work

During the 2006-2010 period, the overwhelming majority of people commuting from Piscataway (73.8%) drove to work in cars occupied solely by the driver. This was true for both commuters within Middlesex County, as well as commuters that left the county, but remained in-state.

Commuting QuickFacts	Piscataway	Middlesex County	New Jersey
Mean travel time to work (minutes), workers age 16+, 2006-2010	29.7	31.7	29.8
Drove alone to work, percent of workers, 2006-2010	73.8%	73.1%	71.6%
Public transportation to work, percent of workers, 2006-2010	6.8%	9.8%	10.6%

Source: 2006-2010 American Community Survey

A majority of people commuting out-of-state used public transit to reach their destination, while 6.0% of all commuters walked to work. An additional 2.9% worked from home, and therefore did not have a significant impact on the morning or evening rush hours.

Means of Commuting	All Places of Work		In-state, In-county		In-state, Out-of-county		Out-of-State	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Drove Alone	20,248	73.8%	10,322	70.9%	9,313	87.5%	613	27.1%
Carpooled	2,682	9.8%	1,556	10.7%	953	9.0%	173	7.7%
Public Transit	1,865	6.8%	205	1.4%	292	2.7%	1,368	60.5%
Taxi, Motorcycle, Bicycle, or Other	214	0.8%	136	0.9%	22	0.2%	56	2.5%
Walked	1,653	6.0%	1,545	10.6%	58	0.5%	50	2.2%
Worked from Home	791	2.9%	791	5.4%	--	--	--	--
Total	27,453	100.0%	14,555	100.0%	10,638	100.0%	2,260	100.0%

Source: 2006-2010 American Community Survey

Transportation Planning Documents

Piscataway most recently updated their Master Plan in December of 2005, at which time the circulation element was also updated. The following potential improvements were included in the Piscataway Township Master Plan:

Table 17-1 Piscataway Roadway Recommendations

Jurisdiction	Type	Location	Description	Status
	New Construction	Centennial Avenue between South Washington Avenue and Stelton Road	Contiguous link	X
	Expansion	Centennial Avenue, between South Randolphville Rd. and South Washington Ave.	Widen to 4 travel lanes	X
State	New Construction	NJ 18 (Extension Section 2A)	Limited Access roadway and interchanges	X
	Reconfiguration	Stelton Road between Haines Avenue and New Durham Road	Road Improvements	X
	Reconfiguration	Stelton Road north of I-287	Road Improvements	X
	New Construction	Williams Street Extension	Extension following Middlesex Borough boundary	
	New Construction	Hoes Lane	Extension from Centennial Avenue	

Table 17-2 Piscataway Intersection Recommendations

Jurisdiction	Type	Location	Description	Status
	Traffic Control	William Street/North Randolphville Road	Signalization	
State	Reconfiguration	I-287/Possumtown Road-Centennial Road	Construction of full interchange	
State	Reconfiguration	I-287/South Randolphville Road	Construction of full interchange	
State	Reconfiguration	I-287/South Washington Avenue	Near-full interchange capability	
	Reconfiguration	Stelton Road/Haines Avenue	Intersection Improvements	
	Reconfiguration	South Washington Avenue/Centennial Avenue	Intersection Improvements	
	Reconfiguration	I-287/River Road	Intersection Improvements	
	Reconfiguration	River Road/Hoes Lane West	Signal Upgrade	
	Traffic Control	River Road/Park Avenue	Signalization (Emergency signals)	
	Traffic Control	River Road/Netherwood Avenue	Signalization (Emergency signals)	
	Reconfiguration	Metlars Lane/South Randolphville Road	Intersection Improvements	
	Reconfiguration	Metlars Lane/Suttons Lane-Drank Lane	Intersection Improvements	
	Reconfiguration	Stelton Road/Washington Avenue-South Washington Avenue	Intersection Improvements	

Table 17-3 Piscataway Bicycle/Pedestrian Recommendations

Jurisdiction	Type	Location	Description	Status
	New Construction	NJ 18 near Society Hill at Piscataway PRD	Pedestrian Bridge	
	Pedestrian	NJ 18 (Extension Section 2A)	Bikeway Construction	
	Pedestrian	Johnson Drive to Centennial Avenue (along Raritan River)	Bikeway Construction	

Table 17-4 Piscataway Miscellaneous Recommendations

Type	Description	Status
	Traffic Signal Coordination along CR 529 from Walnut Street in Dunellen through Piscataway to Central Avenue in Edison Township	
TDM	Possible Implementation of Travel Demand Management strategies	
Bus/Rail	Possible modification/addition of bus transit service along Rt.287 Corridor	

18. Plainsboro Township

Background

Plainsboro Township is a municipality located in southern Middlesex County. The area became an independent municipality in 1919, breaking away from South Brunswick and Cranbury over education policy. However, European settlement dates to the 17th century, when Dutch and English farmers initially came to the area. Primarily agricultural until the 1970s, Plainsboro has since grown into a modern residential and commercial suburb. The township has a total land area of 11.8 square miles, and shares borders with South Brunswick Township and Cranbury Township in Middlesex County, as well as East Windsor Township, West Windsor Township and Princeton in Mercer County.

Geography QuickFacts	Plainsboro	Middlesex County	New Jersey
Land area in square miles, 2010	11.8	308.9	7,354.2
Persons per square mile of land area, 2010	1,951.6	2,621.6	1,195.5
Population density, municipal ranking in Middlesex County, 2010	21	N/A	N/A
Housing units per square mile of land area, 2010	856.1	954.3	483.2
Housing unit density, municipal ranking in Middlesex County, 2010	20	N/A	N/A
Water area in square miles, 2010	0.4	13.9	1,368.4
Total area in square miles, 2010	12.2	322.8	8,722.6

Source: 2010 Decennial Census

Population, Housing and Households

Population

During the 2010 Census, Plainsboro Township had a population of 22,999. Average data for the 2006-2010 period comes from the American Community Survey 5-year estimates.

Population QuickFacts	Plainsboro	Middlesex County	New Jersey
Population, 2011 estimate	23,126	814,217	8,821,155
Population, 2010	22,999	809,858	8,791,894
Population change, 2000 to 2010	+ 2,784	+ 59,696	+ 377,544
Population, percent change, 2000 to 2010	+ 13.8%	+ 8.0%	+ 4.5%
Population, 2000	20,215	750,162	8,414,350
Persons under 5 years, percent, 2010	6.2%	6.2%	6.2%
Persons under 18 years, percent, 2010	24.7%	22.9%	23.5%
Persons 65 years and over, percent, 2010	7.5%	12.3%	13.5%
Median age of population, 2010	35.5	37.2	39.0
Living in same house 1 year & over, 2006-2010	80.9%	88.3%	89.4%
Foreign born persons, percent, 2006-2010	39.7%	29.4%	20.3%
Language other than English spoken at home, pct age 5+, 2006-2010	46.4%	39.5%	28.7%
High school graduates, percent of persons age 25+, 2006-2010	96.5%	88.0%	87.3%
Bachelor's degree or higher, pct of persons age 25+, 2006-2010	71.0%	38.4%	34.6%

Source(s): 2010 Decennial Census, 2006-2010 American Community Survey

Housing

The same census indicated that there were 10,089 housing units in Plainsboro Township. Of these houses, 83.4% were built in 1970 or later, and 26.1% were built in 1990 or later. The median home value was \$440,000, and 80.4% of housing units had a mortgage.

Housing QuickFacts	Plainsboro	Middlesex County	New Jersey
Housing units, 2010	10,089	294,800	3,553,562
Housing units change, 2000 to 2010	+ 956	+ 21,163	+ 243,287
Housing units, percent change, 2000 to 2010	+ 10.5%	+ 7.7%	+ 7.3%
Housing units, 2000	9,133	273,637	3,310,275
Homeownership rate, 2006-2010	47.0%	67.0%	66.9%
Housing units in multi-unit structures, percent, 2006-2010	59.2%	34.4%	35.9%
Median value of owner-occupied housing units, 2006-2010	\$440,000	\$356,000	\$357,000
Occupied housing units with no vehicle available, percent, 2006-2010	5.0%	8.3%	11.7%
Average number of vehicles per occupied housing unit, 2006-2010	1.6	1.8	1.7

Source(s): 2010 Decennial Census, 2006-2010 American Community Survey

Households

Census defines a household as the group of people occupying distinct living quarters. This group lives and eats separately from other persons, and must have direct access to their housing unit from outside or a common hall.

Household QuickFacts	Plainsboro	Middlesex County	New Jersey
Households, 2006-2010	9,199	277,398	3,176,069
Persons per household, 2006-2010	2.43	2.78	2.69

Source: 2006-2010 American Community Survey

Economic Characteristics

Occupations and Industries of Residents (Labor Force)

During 2006-2010, of the 17,668 individuals age 16 and over, 77.5% were in the labor force. Based on data from the American Community Survey, the three largest professions were:

- Management, business, science and arts occupations, 67.5%
- Sales and office occupations, 21.0%
- Service occupations, 5.6%

When grouped by industry, the three largest shares of the municipal labor force worked in:

- Educational services, health care and social assistance, 21.0%
- Professional, scientific, management, administrative and waste management services, 20.8%
- Finance and insurance, and real estate and rental and leasing, 14.9%

Income

During 2006-2010, the median household income in Plainsboro Township was \$86,986, while the average household income was \$111,564. On a per capita basis, individual income was \$46,222, while 3.9% of the population was living below the poverty level.

Income QuickFacts	Plainsboro	Middlesex County	New Jersey
Per capita money income in past 12 months (2010 dollars) 2006-2010	\$46,222	\$33,289	\$34,858
Median household income, (2010 dollars) 2006-2010	\$86,986	\$77,615	\$69,811
Persons below poverty level, percent, 2006-2010	3.9%	7.4%	9.1%

Source: 2006-2010 American Community Survey

Businesses

Business data is drawn from two datasets produced by the US Census Bureau. The Economic Census, published every 5 years and last released in 2007, is based on a pure population count, similar to the decennial census. It provides information about the size and number of firms, broken out by industry sector. The Survey of Business Owners, published every 5 years and last released in 2007, is based on statistical methodologies and random sampling. It provides information about the number, size and payroll of firms, broken out by sector, gender, ethnicity, race and veteran status.

Business QuickFacts	Plainsboro	Middlesex County	New Jersey
Total number of firms, 2007	580	19,056	199,359
Total number of employees, 2007	17,710	404,252	3,631,658
Manufacturers' shipments, 2007 (\$1000)	D	12,207,299	116,608,094
Merchant wholesaler sales, 2007 (\$1000)	\$975,599	\$32,631,795	\$233,413,004
Retail sales, 2007 (\$1000)	\$53,154	\$11,131,032	\$124,813,580
Retail sales per capita, 2007	\$2,539	\$14,274	\$14,453
Accommodation and food services sales, 2007 (\$1000)	\$86,737	\$1,275,068	\$19,993,613
Accommodation and food services sales per capita, 2007	\$4,143	\$1,635	\$2,315

Source(s): 2007 Economic Census, 2007 Survey of Business Owners

Construction

The New Jersey Department of Community Affairs publishes construction statistics based on certificates of occupancy, issued by local construction officials and reported to the state. During 2001-2010, Plainsboro accounted for 2.1% of residential COs in Middlesex County, and 1.5% of nonresidential square footage.

Construction QuickFacts	Plainsboro	Middlesex County	New Jersey
Residential COs for housing units, 2001-2010	417	19,637	241,645
Residential COs, Units, Municipal Ranking in Middlesex County, 2001-2010	13	N/A	N/A
Nonresidential COs, total square feet of floor area, 2001-2010	1,071,263	69,483,581	452,960,897
Nonresidential COs, Sq. Ft., Municipal Ranking in Middlesex County, 2001-2010	14	N/A	N/A

Source(s): 2001-2010 NJ Department of Community Affairs Construction Reporter

Work Travel Behavior and Employment Characteristics

Commute Shed

From 2006-2010, an average of 9,900 covered jobs were held by Plainsboro residents, while a total of 903 residents held covered jobs located in Plainsboro. The majority of residents were employed outside Middlesex County, with the largest share of those commuters travelling to Mercer County. At the municipality level, the largest share of resident commuters stay within Plainsboro Township, with the second largest share travelling to West Windsor, followed by Manhattan, NYC.

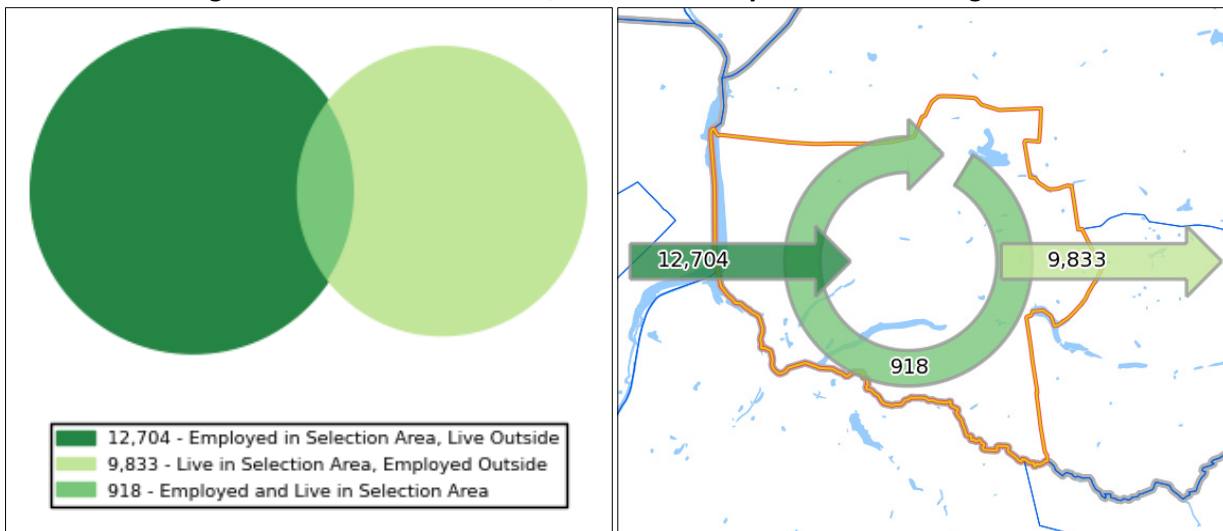
Labor Shed

An average of 14,112 people had primary covered employment in Plainsboro Township during the 2006-2010 period. More than a quarter of these people lived in Mercer County, while more than one-fifth came from Middlesex County. The largest municipal share outside of Plainsboro itself came from Hamilton Township of neighboring Mercer County, followed by South Brunswick Township.

<i>Labor Force: Where Residents are Employed</i>	Number	Percent
Total Primary Jobs, 2006-2010 average	9,900	--
Top-5 Destinations by Municipality		
Plainsboro Township, NJ	903	9.1%
West Windsor Township, NJ	830	8.4%
Manhattan Borough, NY	657	6.6%
South Brunswick Township, NJ	494	5.0%
Princeton Borough, NJ	405	4.1%
Top-5 Destinations by County		
Middlesex County, NJ	3,180	32.1%
Mercer County, NJ	2,391	24.2%
Somerset County, NJ	746	7.5%
New York County, NY	657	6.6%
Union County, NJ	399	4.0%

<i>Workforce: Where Employees Reside</i>	Number	Percent
Total Primary Jobs, 2006-2010 average	14,112	--
Top-5 Origins by Municipality		
Plainsboro Township, NJ	903	6.4%
Hamilton Township, NJ	820	5.8%
South Brunswick Township, NJ	572	4.1%
West Windsor Township, NJ	528	3.7%
Lawrence Township, NJ	414	2.9%
Top-5 Origins by County		
Mercer County, NJ	3,639	25.8%
Middlesex County, NJ	3,043	21.6%
Bucks County, PA	1,216	8.6%
Somerset County, NJ	1,118	7.9%
Monmouth County, NJ	903	6.4%

Figure 18-1: Plainsboro Inflow/Outflow Primary Job Counts during 2010



Source: US Census Bureau, Longitudinal Employer-Household Dynamics (LEHD)

Journey-to-Work

During the 2006-2010 period, the overwhelming majority of people commuting from Plainsboro (71.3%) drove to work in cars occupied solely by the driver. This was true for both commuters within Middlesex County, as well as commuters that left the county, but remained in-state.

Commuting QuickFacts	Plainsboro	Middlesex County	New Jersey
Mean travel time to work (minutes), workers age 16+, 2006-2010	35.5	31.7	29.8
Drove alone to work, percent of workers, 2006-2010	71.3%	73.1%	71.6%
Public transportation to work, percent of workers, 2006-2010	9.9%	9.8%	10.6%

Source: 2006-2010 American Community Survey

A majority of people commuting out-of-state used public transit to reach their destination, while 1.0% of all commuters walked to work. An additional 7.2% worked from home, and therefore did not have a significant impact on the morning or evening rush hours.

Means of Commuting	All Places of Work		In-state, In-county		In-state, Out-of-county		Out-of-State	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Drove Alone	8,963	71.3%	3,254	66.9%	5,282	84.7%	427	29.1%
Carpooled	1,165	9.3%	393	8.1%	674	10.8%	98	6.7%
Public Transit	1,248	9.9%	49	1.0%	276	4.4%	923	62.8%
Taxi, Motorcycle, Bicycle, or Other	168	1.3%	153	3.1%	7	0.1%	8	0.5%
Walked	124	1.0%	111	2.3%	0	0.0%	13	0.9%
Worked from Home	905	7.2%	905	18.6%	--	--	--	--
Total	12,573	100.0%	4,865	100.0%	6,239	100.0%	1,469	100.0%

Source: 2006-2010 American Community Survey

Transportation Planning Documents

Plainsboro most recently updated and adopted its Master Plan in January of 2009, at which time the circulation element was also updated. The following potential improvements were included in the Plainsboro Township Master Plan:

Table 18-1 Plainsboro Roadway Recommendations

Jurisdiction	Type	Location	Description	Status
County	Repair/Replace	Schalks Crossing Road railroad bridge	Upgrade and replace bridge to include widening to accommodate cyclists and pedestrians	
Local	Traffic Control	Grovers Mill Road adjacent to Plainsboro/West Windsor public schools campus	Traffic calming	
Local	Traffic Control	Plainsboro Road between Morris Davison Park on the west and Cranbury Township on the east (near Ravens Crest and Aspen Dr)	Traffic calming	
Local	Traffic Control	Plainsboro Road between Wyndhurst Drive/Center Drive (at the main entrance to the Princeton Meadows shopping center) on the east and Enterprise Drive and the p-Loop jug handle on the west	Traffic calming	

Table 18-2 Plainsboro Intersection Recommendations

Jurisdiction	Type	Location	Description	Status
Local/county	Traffic Control	Intersection of Dey Rd and Wyndhurst Drive	Traffic signalization	
Local	Traffic Control	Intersection of Edgemere and Maple avenues	Traffic signalization and overall upgrades at the intersection to include sidewalks and crosswalks	

Table 18-3 Plainsboro Bicycle/Pedestrian Recommendations

Jurisdiction	Type	Location	Description	Status
County	New Construction	Schalks Crossing Road between Princeton Forrestal Center to the north and the Village Center to the south	Bike path and sidewalk construction	
Local	New Construction	PSE&G tower right-of-way easement from Grovers Mill Rd to the existing Lenape Trail system	Bike/ped pathway to include a bridge crossing over the Cranbury Brook	
Local	New Construction	Along Scudders Mill Rd, Plainsboro Rd and a connection between these two road through the municipal complex site	Bike/ped pathway system	
Local	New Construction	North side of Scudders Mill Road from the intersection of Scudders Mill Road and Schalks Crossing Road on the west to the location of the existing bus stop to the east	Sidewalk construction (extension and connection with existing system)	
Local	New Construction	Cranbury Neck Road from its Intersection with Grovers Mill Road on the west, to its border with the Township of Cranbury at	Construct bike lanes on both sides of the road and appropriate bike signage and	

Jurisdiction	Type	Location	Description	Status
		John White Road on the east	directional signage	
Local	New Construction	South side of Plainsboro Rd from the Village Center Community Gardens on the west to Prospect Avenue on the east	Bike path project; fully engineered and ready to move to construction phase	
Local	New Construction	Eastern edge of Grovers Mill Road from Princeton Crossing (residential development) to Cranbury Neck Road	Construct bike path that would connect to the bike lanes proposed along Cranbury Neck Rd	
Local	New Construction	Off road trail along the eastern edge of the regional public schools from Grovers Mill Rd to Lenape Trail via a proposed bridge crossing Plainsboro Pond	Bike/ped pathway system, including a bridge crossing the Plainsboro Pond	
Local	Expansion	Lenape Trail system, paralleling the Plainsboro Pond and Cranbury Brook	Resurfacing and making other needed improvements to the existing six (6) foot wide path; widen to eight feet where appropriate and possible with sensitivity to existing environmental resources	
Local	New Construction	Southern side of Plainsboro Rd along entire frontage of Princeton Meadows Shopping Center	Construction of missing sidewalk	
Local	New Construction	Along Scotts Corner Road from the Community Park driveway entrance to the Plainsboro Preserve driveway entrance	Pathway construction	
Local	New Construction	Between the D&R Canal pathways already existing on the east and west sides of the canal; near the former seminary property	Pathway and bridge construction to connect D&R Canal trail system to the Township's system	
State	New Construction	Northbound side of Route 1 along the frontage of the Robert Wood Johnson Foundation office campus	Pathway construction	
State	Expansion	Scudders Mill road overpass across Route 1	Upgrade and maintenance of sidewalk system	
Local	Expansion	Plainsboro Park (near Fox Run apartment complex)	Upgrade and maintenance of the existing Township pathway located within an existing park and connect to Lenape Trail system	
Local	New Construction	Off road trail along the northerly side of the Millstone River from the intersection of Grovers Mill Rd and Cranbury Neck Rd on the east to Millstone Rd on the west	Pathway construction	
Local	Expansion	Existing pathway situated between the Deer Creek apartment complex and Brittany townhomes, which connects Plainsboro Rd with the Lenape Trail	Upgrade and maintenance of pathway system	
Local	New Construction	Off road trail along the Cedar Brook between Petty Road and Plainsboro Road	Pathway construction	
Local	New Construction	Northern edge of Dey Road between the PSE&G power line right-of-way and Scotts Corner Rd	Pathway construction	
Local	Expansion	Existing trails within the "Plainsboro Preserve" area of the Township	Upgrade and maintenance of pathway system	

Table 18-4 Plainsboro Miscellaneous Recommendations

Type	Description	Status
Multi-user	Install bus shelters along the NJ Transit #600 bus line	
Multi-user	Pursue and support expanded New Jersey Transit 600 bus service and the Route 1 Bus Rapid Transit proposal, the construction of bus shelters, encourage trip reduction strategies and continue to find ways to reduce the dependence on the private automobile to access services, employment and recreation needs	

19. Sayreville Borough

Background

Sayreville Borough is a municipality located in central Middlesex County. Originally breaking from South Amboy in 1876, Sayreville reincorporated as a borough in 1919. Agricultural settlement in the area predates the Revolutionary War, while extensive industrial growth began in mid-1800s. While there is still an industrial presence in the borough, residential and commercial development has predominated since the 1960s. The borough has a total land area of 15.8 square miles, and shares borders with South Amboy, Perth Amboy, Woodbridge Township, Edison Township, East Brunswick Township, South River Borough and Old Bridge Township in Middlesex County, and Richmond County across Raritan Bay.

Geography QuickFacts	Sayreville	Middlesex County	New Jersey
Land area in square miles, 2010	15.8	308.9	7,354.2
Persons per square mile of land area, 2010	2,695.7	2,621.6	1,195.5
Population density, municipal ranking in Middlesex County, 2010	18	N/A	N/A
Housing units per square mile of land area, 2010	1,034.8	954.3	483.2
Housing unit density, municipal ranking in Middlesex County, 2010	17	N/A	N/A
Water area in square miles, 2010	2.9	13.9	1,368.4
Total area in square miles, 2010	18.7	322.8	8,722.6

Source: 2010 Decennial Census

Population, Housing and Households

Population

During the 2010 Census, Sayreville Borough had a population of 42,704. Average data for the 2006-2010 period comes from the American Community Survey 5-year estimates.

Population QuickFacts	Sayreville	Middlesex County	New Jersey
Population, 2011 estimate	42,940	814,217	8,821,155
Population, 2010	42,704	809,858	8,791,894
Population change, 2000 to 2010	+ 2,327	+ 59,696	+ 377,544
Population, percent change, 2000 to 2010	+ 5.8%	+ 8.0%	+ 4.5%
Population, 2000	40,377	750,162	8,414,350
Persons under 5 years, percent, 2010	6.6%	6.2%	6.2%
Persons under 18 years, percent, 2010	22.6%	22.9%	23.5%
Persons 65 years and over, percent, 2010	12.1%	12.3%	13.5%
Median age of population, 2010	38.6	37.2	39.0
Living in same house 1 year & over, 2006-2010	93.0%	88.3%	89.4%
Foreign born persons, percent, 2006-2010	25.0%	29.4%	20.3%
Language other than English spoken at home, pct age 5+, 2006-2010	31.4%	39.5%	28.7%
High school graduates, percent of persons age 25+, 2006-2010	89.8%	88.0%	87.3%
Bachelor's degree or higher, pct of persons age 25+, 2006-2010	30.0%	38.4%	34.6%

Source(s): 2010 Decennial Census, 2006-2010 American Community Survey

Housing

The same census indicated that there were 16,393 housing units in Sayreville Borough. Of these houses, 40.7% were built in 1970 or later, and 18.4% were built in 1990 or later. The median home value was \$344,000, and 69.8% of housing units had a mortgage.

Housing QuickFacts	Sayreville	Middlesex County	New Jersey
Housing units, 2010	16,393	294,800	3,553,562
Housing units change, 2000 to 2010	+ 1,158	+ 21,163	+ 243,287
Housing units, percent change, 2000 to 2010	+ 7.6%	+ 7.7%	+ 7.3%
Housing units, 2000	15,235	273,637	3,310,275
Homeownership rate, 2006-2010	68.1%	67.0%	66.9%
Housing units in multi-unit structures, percent, 2006-2010	31.8%	34.4%	35.9%
Median value of owner-occupied housing units, 2006-2010	\$344,000	\$356,000	\$357,000
Occupied housing units with no vehicle available, percent, 2006-2010	6.8%	8.3%	11.7%
Average number of vehicles per occupied housing unit, 2006-2010	1.8	1.8	1.7

Source(s): 2010 Decennial Census, 2006-2010 American Community Survey

Households

Census defines a household as the group of people occupying distinct living quarters. This group lives and eats separately from other persons, and must have direct access to their housing unit from outside or a common hall.

Household QuickFacts	Sayreville	Middlesex County	New Jersey
Households, 2006-2010	15,441	277,398	3,176,069
Persons per household, 2006-2010	2.67	2.78	2.69

Source: 2006-2010 American Community Survey

Economic Characteristics

Occupations and Industries of Residents (Labor Force)

During 2006-2010, of the 33,870 individuals age 16 and over, 66.7% were in the labor force. Based on data from the American Community Survey, the three largest professions were:

- Management, business, science and arts occupations, 38.5%
- Sales and office occupations, 26.6%
- Service occupations, 16.0%

When grouped by industry, the three largest shares of the municipal labor force worked in:

- Educational services, health care and social assistance, 23.1%
- Retail trade, 11.3%
- Finance and insurance, and real estate and rental and leasing, 10.4%

Income

During 2006-2010, the median household income in Sayreville Borough was \$71,808, while the average household income was \$85,306. On a per capita basis, individual income was \$32,259, while 5.5% of the population was living below the poverty level.

Income QuickFacts	Sayreville	Middlesex County	New Jersey
Per capita money income in past 12 months (2010 dollars) 2006-2010	\$32,259	\$33,289	\$34,858
Median household income, (2010 dollars) 2006-2010	\$71,808	\$77,615	\$69,811
Persons below poverty level, percent, 2006-2010	5.5%	7.4%	9.1%

Source: 2006-2010 American Community Survey

Businesses

Business data is drawn from two datasets produced by the US Census Bureau. The Economic Census, published every 5 years and last released in 2007, is based on a pure population count, similar to the decennial census. It provides information about the size and number of firms, broken out by industry sector. The Survey of Business Owners, published every 5 years and last released in 2007, is based on statistical methodologies and random sampling. It provides information about the number, size and payroll of firms, broken out by sector, gender, ethnicity, race and veteran status.

Business QuickFacts	Sayreville	Middlesex County	New Jersey
Total number of firms, 2007	759	19,056	199,359
Total number of employees, 2007	8,058	404,252	3,631,658
Manufacturers' shipments, 2007 (\$1000)	1,093,512	12,207,299	116,608,094
Merchant wholesaler sales, 2007 (\$1000)	\$547,456	\$32,631,795	\$233,413,004
Retail sales, 2007 (\$1000)	\$328,694	\$11,131,032	\$124,813,580
Retail sales per capita, 2007	\$7,850	\$14,274	\$14,453
Accommodation and food services sales, 2007 (\$1000)	\$40,037	\$1,275,068	\$19,993,613
Accommodation and food services sales per capita, 2007	\$956	\$1,635	\$2,315

Source(s): 2007 Economic Census, 2007 Survey of Business Owners

Construction

The New Jersey Department of Community Affairs publishes construction statistics based on certificates of occupancy, issued by local construction officials and reported to the state. During 2001-2010, Sayreville accounted for 4.3% of residential COs in Middlesex County, and 1.5% of nonresidential square footage.

Construction QuickFacts	Sayreville	Middlesex County	New Jersey
Residential COs for housing units, 2001-2010	852	19,637	241,645
Residential COs, Units, Municipal Ranking in Middlesex County, 2001-2010	9	N/A	N/A
Nonresidential COs, total square feet of floor area, 2001-2010	1,063,488	69,483,581	452,960,897
Nonresidential COs, Sq. Ft., Municipal Ranking in Middlesex County, 2001-2010	15	N/A	N/A

Source(s): 2001-2010 NJ Department of Community Affairs Construction Reporter

Work Travel Behavior and Employment Characteristics

Commute Shed

From 2006-2010, an average of 19,623 covered jobs were held by Sayreville residents, while a total of 1,834 residents held covered jobs located in Sayreville. The majority of residents were employed outside Middlesex County, with the largest share of those commuters travelling to Monmouth County. At the municipality level, the largest share of resident commuters stay within Sayreville Borough, with the second largest share travelling into Manhattan.

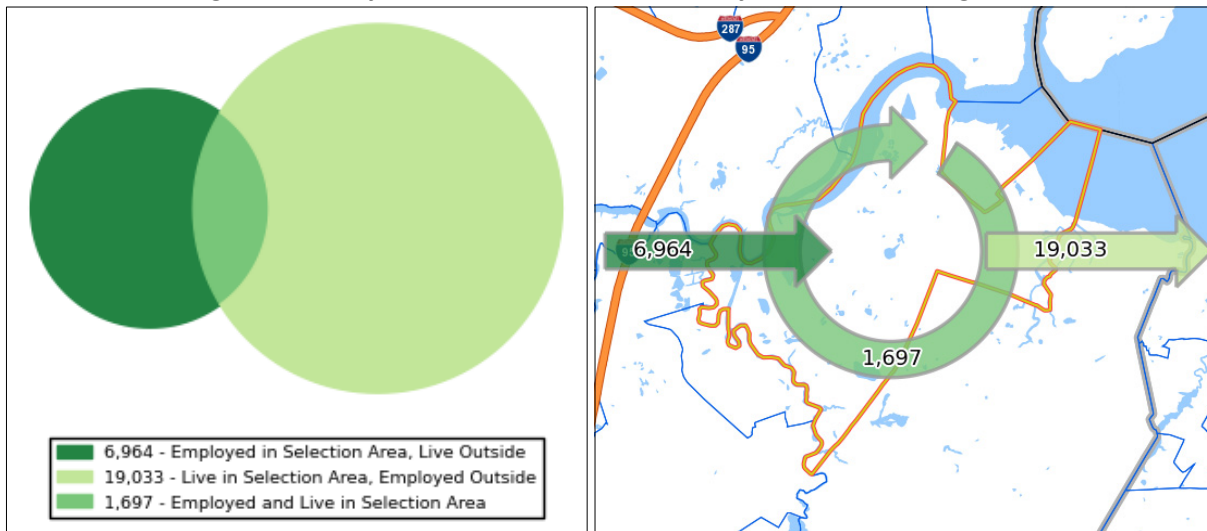
<i>Labor Force: Where Residents are Employed</i>	Number	Percent
Total Primary Jobs, 2006-2010 average	19,623	--
Top-5 Destinations by Municipality		
Sayreville Borough, NJ	1,834	9.3%
Manhattan Borough, NY	1,550	7.9%
Edison Township, NJ	1,108	5.6%
New Brunswick City, NJ	683	3.5%
East Brunswick Township, NJ	683	3.5%
Top-5 Destinations by County		
Middlesex County, NJ	8,401	42.8%
Monmouth County, NJ	1,848	9.4%
New York County, NY	1,550	7.9%
Union County, NJ	1,266	6.5%
Somerset County, NJ	997	5.1%

Labor Shed

An average of 8,941 people had primary covered employment in Sayreville Borough during the 2006-2010 period. More than half these people lived in Middlesex County, with the next largest share coming from Monmouth County. The largest municipal share outside of Sayreville itself came from Old Bridge Township, followed by the City of Perth Amboy.

<i>Workforce: Where Employees Reside</i>	Number	Percent
Total Primary Jobs, 2006-2010 average	8,941	--
Top-5 Origins by Municipality		
Sayreville Borough, NJ	1,834	20.5%
Old Bridge Township, NJ	592	6.6%
Perth Amboy City, NJ	352	3.9%
Woodbridge Township, NJ	324	3.6%
South Amboy City, NJ	261	2.9%
Top-5 Origins by County		
Middlesex County, NJ	4,615	51.6%
Monmouth County, NJ	1,299	14.5%
Ocean County, NJ	462	5.2%
Union County, NJ	402	4.5%
Essex County, NJ	277	3.1%

Figure 19-1: Sayreville Inflow/Outflow Primary Job Counts during 2010



Source: US Census Bureau, Longitudinal Employer-Household Dynamics (LEHD)

Journey-to-Work

During the 2006-2010 period, the overwhelming majority of people commuting from Sayreville (71.3%) drove to work in cars occupied solely by the driver. This was true for both commuters within Middlesex County, as well as commuters that left the county, but remained in-state.

Commuting QuickFacts	Sayreville	Middlesex County	New Jersey
Mean travel time to work (minutes), workers age 16+, 2006-2010	33.1	31.7	29.8
Drove alone to work, percent of workers, 2006-2010	78.6%	73.1%	71.6%
Public transportation to work, percent of workers, 2006-2010	9.5%	9.8%	10.6%

Source: 2006-2010 American Community Survey

A majority of people commuting out-of-state used public transit to reach their destination, while 1.0% of all commuters walked to work. An additional 7.2% worked from home, and therefore did not have a significant impact on the morning or evening rush hours.

Means of Commuting	All Places of Work		In-state, In-county		In-state, Out-of-county		Out-of-State	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Drove Alone	15,951	78.6%	8,976	84.3%	6,063	88.5%	912	32.8%
Carpooled	1,480	7.3%	796	7.5%	516	7.5%	168	6.0%
Public Transit	1,929	9.5%	37	0.3%	193	2.8%	1,699	61.0%
Taxi, Motorcycle, Bicycle, or Other	127	0.6%	56	0.5%	67	1.0%	4	0.1%
Walked	251	1.2%	238	2.2%	13	0.2%	0	0.0%
Worked from Home	543	2.7%	543	5.1%	--	--	--	--
Total	20,281	100.0%	10,646	100.0%	6,852	100.0%	2,783	100.0%

Source: 2006-2010 American Community Survey

Transportation Planning Documents

Sayreville most recently updated their Master Plan in March of 1998, at which time the circulation element was also updated. The most recent reexamination report is from December 2004. The following potential improvements were included in the Sayreville Borough Master Plan:

Table 19-1 Sayreville Roadway Recommendations

Jurisdiction	Type	Location	Description	Status
	New Construction	Main Street Extension		
	New Construction	Kennedy Drive Extension	From Main Street to Main Street Extension, eliminates left turns from Kennedy to Main	
	Realignment	Cheesequake Road	Straightening and widening	
	New Construction	Sayreville Boulevard	Main Street Bypass, constructed by landowners on property adjacent to ROW	
	New Construction	Lakeview Drive	Extend north to intersect Main Street	
	New Construction	Kaplan/Chevalier Property	Construct connector road to Washington Road/Main Street	
	New Construction	Ernston Road	Extend to intersect Main Street	
	New Construction	Edison Bridge (U.S. 9)	Widen to 6 lanes with shoulders, make northbound only	
	New Construction	Edison Bridge (U.S. 9)	Construct new 6 lane southbound span	
	Realignment	U.S. 9 near Edison/Victory Circle Bridges	Widen bridge approaches	
	New Construction	Victory Bridge	Replacement with new high level structure	
	Realignment	Victory Circle	Removal	
	Reconfiguration	U.S. 9 between GSP Interchange 123/Rt. 34 Interchange	Addition of bus-usable shoulders (MOM Line Enhanced Bus option)	
	Reconfiguration	U.S. 9	Widen to 6 lanes	
	Reconfiguration	Rt. 35	Widen to 6 lanes	
	New Construction	Washington Road Bypass (Between Cheesequake Road and Jernee Mill Road)	Truck bypass into South River	
	New Construction	Main Street Extension Bypass Road	Provide access to Main Street from Raritan River Crossings	
	Realignment	Jernee Mill Road	Remove tight bends in road	
	New Construction	Kontos Property	Construct stub connector to Kaplan/Chevalier Property	

Table 19-2 Sayreville Intersection Recommendations

Jurisdiction	Type	Location	Description	Status
	Traffic Control	Washington Road/Pulaski Avenue	Signalization	
	Traffic Control	Crossman Road/Main Street	Signalization	
	Traffic Control	Main Street/Pulaski Avenue	Signalization	
	Traffic Control	Ernston Road/Bordentown Avenue	Signalization	
	Traffic Control	Washington Road/Lakeview Avenue	Signalization	
	New Construction	U.S. 9/Garden State Parkway (Interchange 123)	Bus-Only ramp (MOM Line Enhanced Bus option)	
	Reconfiguration	U.S. 9/Rt. 35	Intersection Improvements	

Table 19-3 Sayreville Bicycle/Pedestrian Recommendations

Jurisdiction	Type	Location	Description	Status
	Pedestrian	Main Street	Sidewalk and Bikeway construction	
	Pedestrian	Washington Road	Sidewalk and Bikeway construction	
	Pedestrian	Ernston Road at Kennedy Park	Pedestrian Bridge	

Table 19-4 Sayreville Parking Recommendations

Jurisdiction	Type	Location	Description	Status
	New Construction	Main Street/Crossman Road Intersection	Park and Ride construction	
	Study Required	Washington Road/Ernston Road	Park and Ride within Sayrebrook Shopping Center	
	Study Required	Raritan Street near Washington Road	Park and Ride within Raritan Shopping Center (Rex Gene)	
	Study Required	Main Street Business Corridor (Between Kupsch Street and Main Street)	Municipal/Communal parking lot construction	

Table 19-5 Sayreville Railroad Recommendations

Jurisdiction	Type	Location	Description	Status
	New Construction	Conrail trestle at Ernston Road/Bordentown Avenue	Reconstruction of trestle	

Table 19-6 Sayreville Waterway Recommendations

Jurisdiction	Type	Location	Description	Status
	Study Required	Ferry Terminal and Parking	Abe Korb Property or Robert E. Lee site	

Table 19-7 Sayreville Miscellaneous Recommendations

Type	Description	Status
TDM	Use traffic management ordinances to reduce trips - staggered work hours, park and ride facility construction, shuttle service to employment centers, 3rd party vanpool programs	
Bus/Rail	Crosstown jitney service along Main Street (Senior Center to East Brunswick Shopping Mall)	
Bus/Rail	M15/M17 Route Extension to U.S.9/Ernston Road	
Bus/Rail	Commuter service from Mid-Monmouth County and U.S. 9 Corridor, Lakewood-Freehold, Old Bridge, Sayreville to I-287 employment centers	
Bike/Ped	Bike/Ped plan incorporated into county Bike/Ped plan (Connectivity between Parks, Waterfront, Senior Center)	
Bike/Ped	Streetscape improvements along Main Street	
Roadway	Restrict truck traffic from White Oaks Road	
Intersection	Synchronize traffic signals on U.S. 9	
Intersection	Synchronize traffic signals on Rt. 35	

20. South Amboy

Background

South Amboy is a city located in northern Middlesex County. The area first incorporated as a township in 1798, and most recently as a city in 1908. The city grew out of its northern neighbor, Perth Amboy, and was a stopover point along the route from New York to Philadelphia. Primarily industrial in nature, the area developed around shipping and manufacturing. Today, the area is largely residential, while the railroad (NJ Transit's North Jersey Coast Line) allows area residents to commute to other parts of the region. The city has a total land area of 1.5 square miles, and shares borders with Sayreville Borough and Perth Amboy in Middlesex County, and Richmond County, NY (Borough of Staten Island) across Raritan Bay.

Geography QuickFacts	South Amboy	Middlesex County	New Jersey
Land area in square miles, 2010	1.5	308.9	7,354.2
Persons per square mile of land area, 2010	5,577.1	2,621.6	1,195.5
Population density, municipal ranking in Middlesex County, 2010	7	N/A	N/A
Housing units per square mile of land area, 2010	2,310.7	954.3	483.2
Housing unit density, municipal ranking in Middlesex County, 2010	6	N/A	N/A
Water area in square miles, 2010	1.1	13.9	1,368.4
Total area in square miles, 2010	2.7	322.8	8,722.6

Source: 2010 Decennial Census

Population, Housing and Households

Population

During the 2010 Census, South Amboy City had a population of 8,631. Average data for the 2006-2010 period comes from the American Community Survey 5-year estimates.

Population QuickFacts	South Amboy	Middlesex County	New Jersey
Population, 2011 estimate	8,678	814,217	8,821,155
Population, 2010	8,631	809,858	8,791,894
Population change, 2000 to 2010	+ 718	+ 59,696	+ 377,544
Population, percent change, 2000 to 2010	+ 9.1%	+ 8.0%	+ 4.5%
Population, 2000	7,913	750,162	8,414,350
Persons under 5 years, percent, 2010	6.0%	6.2%	6.2%
Persons under 18 years, percent, 2010	20.8%	22.9%	23.5%
Persons 65 years and over, percent, 2010	11.3%	12.3%	13.5%
Median age of population, 2010	39.3	37.2	39.0
Living in same house 1 year & over, 2006-2010	91.8%	88.3%	89.4%
Foreign born persons, percent, 2006-2010	15.5%	29.4%	20.3%
Language other than English spoken at home, pct age 5+, 2006-2010	23.1%	39.5%	28.7%
High school graduates, percent of persons age 25+, 2006-2010	87.1%	88.0%	87.3%
Bachelor's degree or higher, pct of persons age 25+, 2006-2010	17.7%	38.4%	34.6%

Source(s): 2010 Decennial Census, 2006-2010 American Community Survey

Housing

The same census indicated that there were 3,576 housing units in South Amboy. Of these houses, 23.7% were built in 1970 or later, and 14.1% were built in 1990 or later. The median home value was \$298,000, and 66.3% of housing units had a mortgage.

Housing QuickFacts	South Amboy	Middlesex County	New Jersey
Housing units, 2010	3,576	294,800	3,553,562
Housing units change, 2000 to 2010	+ 466	+ 21,163	+ 243,287
Housing units, percent change, 2000 to 2010	+ 15.0%	+ 7.7%	+ 7.3%
Housing units, 2000	3,110	273,637	3,310,275
Homeownership rate, 2006-2010	65.7%	67.0%	66.9%
Housing units in multi-unit structures, percent, 2006-2010	33.4%	34.4%	35.9%
Median value of owner-occupied housing units, 2006-2010	\$298,000	\$356,000	\$357,000
Occupied housing units with no vehicle available, percent, 2006-2010	11.7%	8.3%	11.7%
Average number of vehicles per occupied housing unit, 2006-2010	1.7	1.8	1.7

Source(s): 2010 Decennial Census, 2006-2010 American Community Survey

Households

Census defines a household as the group of people occupying distinct living quarters. This group lives and eats separately from other persons, and must have direct access to their housing unit from outside or a common hall.

Household QuickFacts	South Amboy	Middlesex County	New Jersey
Households, 2006-2010	3,345	277,398	3,176,069
Persons per household, 2006-2010	2.54	2.78	2.69

Source: 2006-2010 American Community Survey

Economic Characteristics

Occupations and Industries of Residents

During 2006-2010, of the 6,959 individuals age 16 and over, 67.5% were in the labor force. Based on data from the American Community Survey, the three largest professions were:

- Sales and office occupations, 31.7%
- Management, business, science and arts occupations, 27.4%
- Natural resources, construction, and maintenance occupations, 18.5%

When grouped by industry, the three largest shares of the municipal labor force worked in:

- Educational services, health care and social assistance, 17.9%
- Retail trade, 15.8%
- Construction, 12.5%

Income

During 2006-2010, the median household income in South Amboy was \$61,566, while the average household income was \$77,653. On a per capita basis, individual income was \$31,590, while 9.0% of the population was living below the poverty level.

Income QuickFacts	South Amboy	Middlesex County	New Jersey
Per capita money income in past 12 months (2010 dollars) 2006-2010	\$31,590	\$33,289	\$34,858
Median household income, (2010 dollars) 2006-2010	\$61,566	\$77,615	\$69,811
Persons below poverty level, percent, 2006-2010	9.0%	7.4%	9.1%

Source: 2006-2010 American Community Survey

Businesses

Business data is drawn from two datasets produced by the US Census Bureau. The Economic Census, published every 5 years and last released in 2007, is based on a pure population count, similar to the decennial census. It provides information about the size and number of firms, broken out by industry sector. The Survey of Business Owners, published every 5 years and last released in 2007, is based on statistical methodologies and random sampling. It provides information about the number, size and payroll of firms, broken out by sector, gender, ethnicity, race and veteran status.

Business QuickFacts	South Amboy	Middlesex County	New Jersey
Total number of firms, 2007	207	19,056	199,359
Total number of employees, 2007	2,481	404,252	3,631,658
Manufacturers' shipments, 2007 (\$1000)	N/A	12,207,299	116,608,094
Merchant wholesaler sales, 2007 (\$1000)	\$53,990	\$32,631,795	\$233,413,004
Retail sales, 2007 (\$1000)	\$80,467	\$11,131,032	\$124,813,580
Retail sales per capita, 2007	\$10,407	\$14,274	\$14,453
Accommodation and food services sales, 2007 (\$1000)	\$19,284	\$1,275,068	\$19,993,613
Accommodation and food services sales per capita, 2007	\$2,494	\$1,635	\$2,315

Source(s): 2007 Economic Census, 2007 Survey of Business Owners

Construction

The New Jersey Department of Community Affairs publishes construction statistics based on certificates of occupancy, issued by local construction officials and reported to the state. During 2001-2010, South Amboy accounted for 1.6% of residential COs in Middlesex County, and 0.4% of nonresidential square footage.

Construction QuickFacts	South Amboy	Middlesex County	New Jersey
Residential COs for housing units, 2001-2010	319	19,637	241,645
Residential COs, Units, Municipal Ranking in Middlesex County, 2001-2010	14	N/A	N/A
Nonresidential COs, total square feet of floor area, 2001-2010	258,272	69,483,581	452,960,897
Nonresidential COs, Sq. Ft., Municipal Ranking in Middlesex County, 2001-2010	17	N/A	N/A

Source(s): 2001-2010 NJ Department of Community Affairs Construction Reporter

Work Travel Behavior and Employment Characteristics

Commute Shed

From 2006-2010, an average of 3,962 covered jobs were held by South Amboy residents, while a total of 283 residents held covered jobs located in South Amboy. The majority of residents were employed outside Middlesex County, with the largest share of those commuters travelling to Monmouth County. At the municipality level, the largest share of resident commuters stay within South Amboy, with the second largest share travelling into Manhattan.

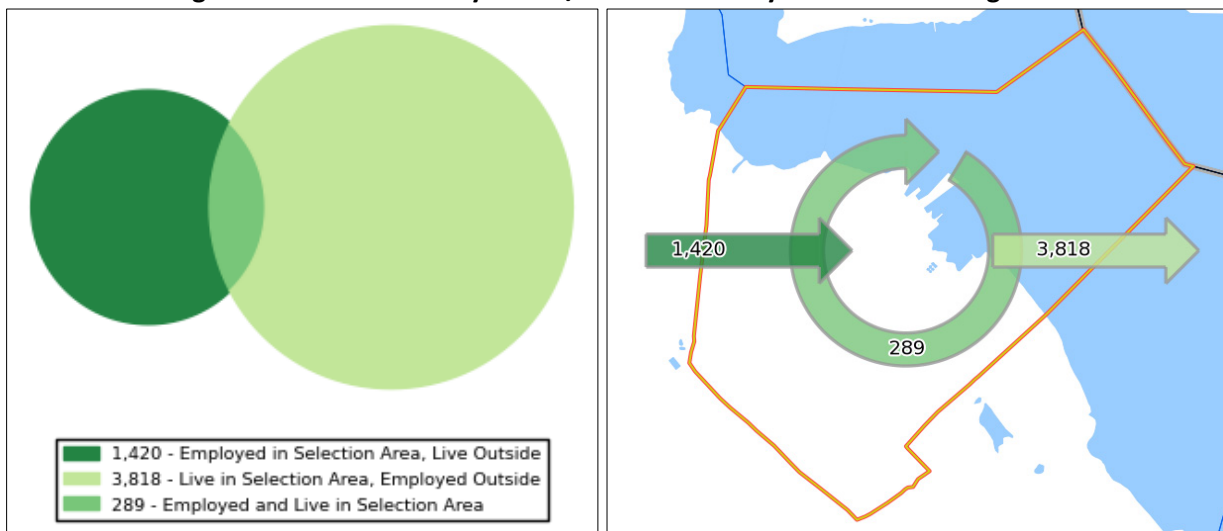
Labor Shed

An average of 1,632 people had primary covered employment in South Amboy during the 2006-2010 period. More than half of these people lived in Middlesex County, with the next largest share coming from Monmouth County. The largest municipal share outside of South Amboy itself came from Sayreville Borough, followed by Old Bridge Township.

<i>Labor Force: Where Residents are Employed</i>	Number	Percent
Total Primary Jobs, 2006-2010 average	3,962	--
Top-5 Destinations by Municipality		
South Amboy City, NJ	283	7.1%
Manhattan Borough, NY	277	7.0%
Edison Township, NJ	276	7.0%
Sayreville Borough, NJ	261	6.6%
Woodbridge Township, NJ	206	5.2%
Top-5 Destinations by County		
Middlesex County, NJ	1,849	46.7%
Monmouth County, NJ	402	10.1%
New York County, NY	277	7.0%
Union County, NJ	251	6.3%
Somerset County, NJ	163	4.1%

<i>Workforce: Where Employees Reside</i>	Number	Percent
Total Primary Jobs, 2006-2010 average	1,632	--
Top-5 Origins by Municipality		
South Amboy City, NJ	283	17.3%
Sayreville Borough, NJ	203	12.4%
Old Bridge Township, NJ	94	5.8%
Perth Amboy City, NJ	59	3.6%
Woodbridge Township, NJ	53	3.2%
Top-5 Origins by County		
Middlesex County, NJ	887	54.4%
Monmouth County, NJ	203	12.4%
Hudson County, NJ	64	3.9%
Union County, NJ	62	3.8%
Essex County, NJ	57	3.5%

Figure 20-1: South Amboy Inflow/Outflow Primary Job Counts during 2010



Source: US Census Bureau, Longitudinal Employer-Household Dynamics (LEHD)

Journey-to-Work

During the 2006-2010 period, the overwhelming majority of people commuting from South Amboy (75.6%) drove to work in cars occupied solely by the driver. This was true for both commuters within Middlesex County, as well as commuters that left the county, but remained in-state.

Commuting QuickFacts	South Amboy	Middlesex County	New Jersey
Mean travel time to work (minutes), workers age 16+, 2006-2010	28.2	31.7	29.8
Drove alone to work, percent of workers, 2006-2010	75.6%	73.1%	71.6%
Public transportation to work, percent of workers, 2006-2010	10.5%	9.8%	10.6%

Source: 2006-2010 American Community Survey

A majority of people commuting out-of-state used public transit to reach their destination, while 4.1% of all commuters walked to work. An additional 3.7% worked from home, and therefore did not have a significant impact on the morning or evening rush hours.

Means of Commuting	All Places of Work		In-state, In-county		In-state, Out-of-county		Out-of-State	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Drove Alone	3,177	75.6%	2,043	78.9%	1,034	83.6%	100	26.6%
Carpooled	190	4.5%	116	4.5%	63	5.1%	11	2.9%
Public Transit	443	10.5%	115	4.4%	63	5.1%	265	70.5%
Taxi, Motorcycle, Bicycle, or Other	64	1.5%	13	0.5%	51	4.1%	0	0.0%
Walked	172	4.1%	146	5.6%	26	2.1%	0	0.0%
Worked from Home	156	3.7%	156	6.0%	--	--	--	--
Total	4,202	100.0%	2,589	100.0%	1,237	100.0%	376	100.0%

Source: 2006-2010 American Community Survey

Transportation Planning Documents

South Amboy most recently updated their Master Plan in May of 1974, at which time the circulation element was also updated. The most recent reexamination report is from September 2004. The following potential improvements were included in the South Amboy City Master Plan:

Table 20-1 South Amboy Roadway Recommendations

Jurisdiction	Type	Location	Description	Status
	Study Required	Main Street	Expansion to accommodate added volume	
	Study Required	Raritan Street	Expansion to accommodate added volume	
	Study Required	Stevens Avenue	Expansion to accommodate added volume	
	Study Required	Broadway	Expansion to accommodate added volume	
	Study Required	Lower Main Street Tunnel	Expansion of tunnel to accommodate through traffic	
	Expansion	Main Street	Widening	

Table 20-2 South Amboy Intersection Recommendations

Jurisdiction	Type	Location	Description	Status
	Reconfiguration	U.S. 9/Rt. 35	Intersection Improvements	

Table 20-3 South Amboy Railroad Recommendations

Jurisdiction	Type	Location	Description	Status
	New Construction	South Amboy Train Station	Renovation and Expansion	X

Reconfiguration	Augusta Street Rail Crossing	Closure and removal	
New Construction	Broadway/O'Leary Boulevard	Installation of replacement Rail Crossing	
Realignment	Conrail Main Street Bridge	Separation of road and rail ROW onto different structures, reconstruction of existing structure	

Table 20-4 South Amboy Parking Recommendations

Jurisdiction	Type	Location	Description	Status
	New Construction	Intermodal Commuter Facility	Construction of parking deck for ferry and train service	

Table 20-5 South Amboy Waterway Recommendations

Jurisdiction	Type	Location	Description	Status
	New Construction	Ferry Terminal and Access Road	Construction	

21. South Brunswick Township

Background

South Brunswick Township is a municipality located in southern Middlesex County. It was incorporated as one of New Jersey's first 104 townships in 1798, though land was taken to form both Cranbury Township and Plainsboro Township. The area was primarily agricultural until the mid-1900s, when the combination of suburban development and the opening of the New Jersey Turnpike began to drive growth. The township has a total land area of 40.6 square miles, and shares borders with North Brunswick Township, East Brunswick Township, Monroe Township, Cranbury Township and Plainsboro Township in Middlesex County, Franklin Township in Somerset County, and Princeton in Mercer County.

Geography QuickFacts	South Brunswick	Middlesex County	New Jersey
Land area in square miles, 2010	40.6	308.9	7,354.2
Persons per square mile of land area, 2010	1,068.1	2,621.6	1,195.5
Population density, municipal ranking in Middlesex County, 2010	23	N/A	N/A
Housing units per square mile of land area, 2010	386.4	954.3	483.2
Housing unit density, municipal ranking in Middlesex County, 2010	24	N/A	N/A
Water area in square miles, 2010	0.4	13.9	1,368.4
Total area in square miles, 2010	41.0	322.8	8,722.6

Source: 2010 Decennial Census

Population, Housing and Households

Population

During the 2010 Census, South Brunswick Township had a population of 43,417. Average data for the 2006-2010 period comes from the American Community Survey 5-year estimates.

Population QuickFacts	South Brunswick	Middlesex County	New Jersey
Population, 2011 estimate	43,660	814,217	8,821,155
Population, 2010	43,417	809,858	8,791,894
Population change, 2000 to 2010	+ 5,683	+ 59,696	+ 377,544
Population, percent change, 2000 to 2010	+ 15.1%	+ 8.0%	+ 4.5%
Population, 2000	37,734	750,162	8,414,350
Persons under 5 years, percent, 2010	5.7%	6.2%	6.2%
Persons under 18 years, percent, 2010	27.7%	22.9%	23.5%
Persons 65 years and over, percent, 2010	9.4%	12.3%	13.5%
Median age of population, 2010	38.6	37.2	39.0
Living in same house 1 year & over, 2006-2010	91.5%	88.3%	89.4%
Foreign born persons, percent, 2006-2010	31.7%	29.4%	20.3%
Language other than English spoken at home, pct age 5+, 2006-2010	38.9%	39.5%	28.7%
High school graduates, percent of persons age 25+, 2006-2010	94.6%	88.0%	87.3%
Bachelor's degree or higher, pct of persons age 25+, 2006-2010	57.0%	38.4%	34.6%

Source(s): 2010 Decennial Census, 2006-2010 American Community Survey

Housing

The same census indicated that there were 15,708 housing units in South Brunswick Township. Of these houses, 78.3% were built in 1970 or later, and 39.1% were built in 1990 or later. The median home value was \$412,200, and 79.7% of housing units had a mortgage.

Housing QuickFacts	South Brunswick	Middlesex County	New Jersey
Housing units, 2010	15,708	294,800	3,553,562
Housing units change, 2000 to 2010	+ 1,846	+ 21,163	+ 243,287
Housing units, percent change, 2000 to 2010	+ 13.3%	+ 7.7%	+ 7.3%
Housing units, 2000	13,862	273,637	3,310,275
Homeownership rate, 2006-2010	77.3%	67.0%	66.9%
Housing units in multi-unit structures, percent, 2006-2010	23.8%	34.4%	35.9%
Median value of owner-occupied housing units, 2006-2010	\$412,200	\$356,000	\$357,000
Occupied housing units with no vehicle available, percent, 2006-2010	3.2%	8.3%	11.7%
Average number of vehicles per occupied housing unit, 2006-2010	1.9	1.8	1.7

Source(s): 2010 Decennial Census, 2006-2010 American Community Survey

Households

Census defines a household as the group of people occupying distinct living quarters. This group lives and eats separately from other persons, and must have direct access to their housing unit from outside or a common hall.

Household QuickFacts	South Brunswick	Middlesex County	New Jersey
Households, 2006-2010	14,656	277,398	3,176,069
Persons per household, 2006-2010	2.89	2.78	2.69

Source: 2006-2010 American Community Survey

Economic Characteristics

Occupations and Industries of Residents (Labor Force)

During 2006-2010, of the 31,915 individuals age 16 and over, 72.1% were in the labor force. Based on data from the American Community Survey, the three largest professions were:

- Management, business, science and arts occupations, 56.0%
- Sales and office occupations, 25.5%
- Service occupations, 9.5%

When grouped by industry, the three largest shares of the municipal labor force worked in:

- Professional, scientific, management, administrative and waste management services, 18.8%
- Educational services, health care and social assistance, 18.7%
- Manufacturing, 14.2%

Income

During 2006-2010, the median household income in South Brunswick Township was \$100,950, while the average household income was \$115,657. On a per capita basis, individual income was \$40,468, while 3.1% of the population was living below the poverty level.

Income QuickFacts	South Brunswick	Middlesex County	New Jersey
Per capita money income in past 12 months (2010 dollars) 2006-2010	\$40,468	\$33,289	\$34,858
Median household income, (2010 dollars) 2006-2010	\$100,950	\$77,615	\$69,811
Persons below poverty level, percent, 2006-2010	3.1%	7.4%	9.1%

Source: 2006-2010 American Community Survey

Businesses

Business data is drawn from two datasets produced by the US Census Bureau. The Economic Census, published every 5 years and last released in 2007, is based on a pure population count, similar to the decennial census. It provides information about the size and number of firms, broken out by industry sector. The Survey of Business Owners, published every 5 years and last released in 2007, is based on statistical methodologies and random sampling. It provides information about the number, size and payroll of firms, broken out by sector, gender, ethnicity, race and veteran status.

Business QuickFacts	South Brunswick	Middlesex County	New Jersey
Total number of firms, 2007	1,174	19,056	199,359
Total number of employees, 2007	25,944	404,252	3,631,658
Manufacturers' shipments, 2007 (\$1000)	982,601	12,207,299	116,608,094
Merchant wholesaler sales, 2007 (\$1000)	\$4,883,013	\$32,631,795	\$233,413,004
Retail sales, 2007 (\$1000)	\$433,912	\$11,131,032	\$124,813,580
Retail sales per capita, 2007	\$10,768	\$14,274	\$14,453
Accommodation and food services sales, 2007 (\$1000)	\$54,744	\$1,275,068	\$19,993,613
Accommodation and food services sales per capita, 2007	\$1,359	\$1,635	\$2,315

Source(s): 2007 Economic Census, 2007 Survey of Business Owners

Construction

The New Jersey Department of Community Affairs publishes construction statistics based on certificates of occupancy, issued by local construction officials and reported to the state. During 2001-2010, South Brunswick accounted for 8.5% of residential COs in Middlesex County, and 16.2% of nonresidential square footage.

Construction QuickFacts	South Brunswick	Middlesex County	New Jersey
Residential COs for housing units, 2001-2010	1,675	19,637	241,645
Residential COs, Units, Municipal Ranking in Middlesex County, 2001-2010	4	N/A	N/A
Nonresidential COs, total square feet of floor area, 2001-2010	11,267,116	69,483,581	452,960,897
Nonresidential COs, Sq. Ft., Municipal Ranking in Middlesex County, 2001-2010	2	N/A	N/A

Source(s): 2001-2010 NJ Department of Community Affairs Construction Reporter

Work Travel Behavior and Employment Characteristics

Commute Shed

From 2006-2010, an average of 19,676 covered jobs were held by South Brunswick residents, while a total of 2,571 residents held covered jobs located in South Brunswick. The majority of residents were employed outside Middlesex County, with the largest share of those commuters travelling to Mercer County. At the municipality level, the largest share of resident commuters stay within South Brunswick Township, with the second largest share travelling into Manhattan.

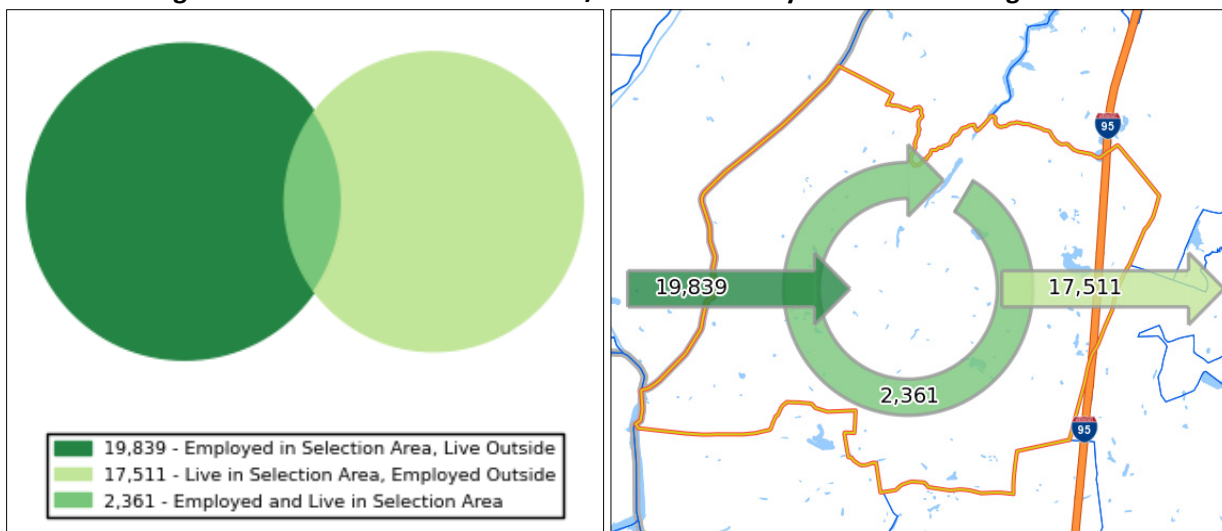
<i>Labor Force: Where Residents are Employed</i>	Number	Percent
Total Primary Jobs, 2006-2010 average	19,676	--
Top-5 Destinations by Municipality		
South Brunswick Township, NJ	2,571	13.1%
Manhattan Borough, NY	1,134	5.8%
New Brunswick City, NJ	1,004	5.1%
Edison Township, NJ	838	4.3%
Franklin Township, NJ	790	4.0%
Top-5 Destinations by County		
Middlesex County, NJ	8,285	42.1%
Mercer County, NJ	2,506	12.7%
Somerset County, NJ	2,266	11.5%
New York County, NY	1,134	5.8%
Union County, NJ	773	3.9%

Labor Shed

An average of 24,577 people had primary employment in South Brunswick Township during the 2006-2010 period. More than a third of these people lived in Middlesex County, with the next largest share coming from Mercer County. The largest municipal share outside of South Brunswick itself came from Hamilton Township of Mercer County, followed by Franklin Township of Somerset County.

<i>Workforce: Where Employees Reside</i>	Number	Percent
Total Primary Jobs, 2006-2010 average	24,577	--
Top-5 Origins by Municipality		
South Brunswick Township, NJ	2,571	10.5%
Hamilton Township, NJ	787	3.2%
Franklin Township, NJ	709	2.9%
North Brunswick Township, NJ	689	2.8%
Edison Township, NJ	586	2.4%
Top-5 Origins by County		
Middlesex County, NJ	8,823	35.9%
Mercer County, NJ	3,024	12.3%
Monmouth County, NJ	1,824	7.4%
Somerset County, NJ	1,705	6.9%
Burlington County, NJ	1,090	4.4%

Figure 21-1: South Brunswick Inflow/Outflow Primary Job Counts during 2010



Source: US Census Bureau, Longitudinal Employer-Household Dynamics (LEHD)

Journey-to-Work

During the 2006-2010 period, the overwhelming majority of people commuting from South Brunswick (78.0%) drove to work in cars occupied solely by the driver. This was true for both commuters within Middlesex County, as well as commuters that left the county, but remained in-state.

Commuting QuickFacts	South Brunswick	Middlesex County	New Jersey
Mean travel time to work (minutes), workers age 16+, 2006-2010	34.0	31.7	29.8
Drove alone to work, percent of workers, 2006-2010	78.0%	73.1%	71.6%
Public transportation to work, percent of workers, 2006-2010	8.0%	9.8%	10.6%

Source: 2006-2010 American Community Survey

A majority of people commuting out-of-state used public transit to reach their destination, while 1.1% of all commuters walked to work. An additional 5.0% worked from home, and therefore did not have a significant impact on the morning or evening rush hours.

Means of Commuting	All Places of Work		In-state, In-county		In-state, Out-of-county		Out-of-State	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Drove Alone	16,633	78.0%	8,862	79.9%	7,061	88.7%	710	31.1%
Carpooled	1,553	7.3%	801	7.2%	642	8.1%	110	4.8%
Public Transit	1,710	8.0%	70	0.6%	222	2.8%	1,418	62.1%
Taxi, Motorcycle, Bicycle, or Other	125	0.6%	61	0.6%	32	0.4%	32	1.4%
Walked	237	1.1%	223	2.0%	0	0.0%	14	0.6%
Worked from Home	1,072	5.0%	1,072	9.7%	--	--	--	--
Total	21,330	100.0%	11,089	100.0%	7,957	100.0%	2,284	100.0%

Source: 2006-2010 American Community Survey

Transportation Planning Documents

Cranbury most recently updated their Master Plan in December of 2001, at which time the circulation element was also updated. The most recent reexamination report is from November 2007. The following potential improvements were included in the South Brunswick Township Master Plan:

Table 21-1 South Brunswick Roadway Recommendations

Jurisdiction	Type	Location	Description	Status
Local	New Construction	Northumberland Way from U.S. 1 to Major Road	Contiguous connection between U.S. 1/Beekman Road intersection and Major Road	
Local	Expansion	Beekman Road between U.S. 1 and Rt. 27	Widening and shoulder improvements	
Local	Reconfiguration	Perrine Road	Geometry alterations and improvements	
County/Local	New Construction	Finnegans Lane between U.S. 1 and U.S. 130	Extend to connect with U.S. 130 (also in North Brunswick)	
County/Local	Expansion	Deans Lane/Deans Rhode Hall Road	Widening, minor safety improvements	
County/Local	New Construction	CR 522 between U.S. 130 and Browns Corner Road/Jamesburg Road	Road extension	
County/Local	New Construction	Browns Corner Road/Jamesburg Road (NJ Turnpike overpass)	Construct wider Turnpike overpass	
County/Local	Expansion	Cranbury-South River Road between Conrail Rail Line and Dunhams Corner Road	Two through lanes in each direction (note: may require work on NJ Turnpike underpass)	
County/Local	Expansion	Dey Road between U.S. 130 and Eiker Road	Widen to 4 lanes	
State	Expansion	U.S. 1	Widen to 6 lanes	

Table 21-2 South Brunswick Intersection Recommendations

Jurisdiction	Type	Location	Description	Status
State	Study Required	U.S. 1/Ridge Road	Grade Separated Interchange (Post-widening)	
State	Study Required	U.S. 1/CR 522-Promenade Boulevard	Grade Separated Interchange (Post-widening)	
State	New Construction	U.S. 1/New Road	Grade Separated Interchange (Post-widening)	
State	New Construction	U.S. 1/Northumberland Way-Beekman Road	Grade Separated Interchange (Post-widening)	
Local	Traffic Control	Major Road/Northumberland Way	Signalization, restripe and widen lanes	
Local	Traffic Control	CR 522/Northumberland Way	Signalization, restripe and widen lanes, channelize right turn lanes	
Local	New Construction	CR 522/Northumberland Way	Build jug handle for eastbound CR 522 to Northumberland Way	
Local	Traffic Control	Ridge Road/New Road	Signalization, geometric improvements, synchronize with East New Road	
Local	Traffic Control	Ridge Road/East New Road	Signalization, geometric improvements, synchronize with New Road	
Local	Study Required	Ridge Road/New Road - Ridge Road/East New Road	Study possibility of converting to roundabouts	
Local	Traffic Control	Ridge Road/Stouts Lane	Modify signal timing	
Local	Traffic Control	Ridge Road/Perrine Road	Signalization, add left turn lanes	
Local	Realignment	Ridge Road/Greenlands Boulevard	Realign to four-way intersection with Perrine Road	

Jurisdiction	Type	Location	Description	Status
Local	Traffic Control	Major Road/Kingston Lane	Signalization, widen and restripe approaches, eastbound left turn lane	
Local	Expansion	Rt. 27/Raymond Road	Widen lanes, add turning lanes	
Local	Traffic Control	U.S. 130/Georges Road-Wheeling Road	Signalization, three approach lanes on Georges Road-Wheeling Road, opposing left turn lanes	
Local	Traffic Control	U.S. 130/Stults Road	Signalization, two approach lanes on Stults Road, left turn lane U.S. 130 southbound	
Local	Traffic Control	Cranbury-South River Road/Stults Road	Signalization, two approach lanes on Stults Road, left turn lane Cranbury-South River Road northbound	
Local	Realignment	U.S. 130/Melrich Road	Close median, allow access only from/to U.S. 130 South	
Local	Traffic Control	U.S. 130/Broadway Road	Signalization, turn lanes on all approaches	
Local	Reconfiguration	Ridge Road/Schalks Crossing Road	Widen intersection, restripe for left/right/through lanes on Dow Jones and Schalks Crossing Road	
Local	Reconfiguration	Perrine Road/Schalks Crossing Road	Widen intersection, restripe approach lanes	
Local	Traffic Control	Ridge Road/Docks Corner Road	Signalization, alter intersection geometry, left/right turn lanes from Docks Corner Road	
Local	Traffic Control	Deans Rhode Hall Road/Fresh Ponds Road	Signalization	
Local	Realignment	Rt. 27/Beekman Road	Geometry alterations, widen lanes, add turning lanes, modernize signals	
Local	Traffic Control	Rt. 27/Allston Road	Signalization, widen lanes, add turning lanes	
Local	Reconfiguration	Davidsons Mill Road/Fresh Ponds Road	Widen lanes, add turning lanes, modernize signals	
Local	New Construction	U.S. 1/CR 522	Construct jug handle for northbound to westbound movements, widen U.S. 1 to five lanes to accommodate	
Local	Realignment	CR 522/Stouts Lane	Align Stouts Lane with jug handle from U.S. 1 to westbound CR 522	
County/Local	Reconfiguration	U.S. 130/Dey Road	Widen lanes, modernize signals	
County/Local	Reconfiguration	Cranbury-South River Road/Jamesburg Road/Browns Corner Road	Widen lanes, add turning lanes, modernize signals	
County/Local	Traffic Control	Jamesburg Road/CR 522 (Planned Extension)	Construct intersection, widen westbound approach, Signalization	
County/Local	Traffic Control	Cranbury-South River Road/Deans Rhode Hall Road	Signalization, widen lanes, add turning lanes	
County/Local	Reconfiguration	Cranbury-South River Road/Davidsons Mill Road	Widen lanes, modernize signals	
County/Local	Realignment	U.S. 130/CR 522-Fresh Ponds Road	Realign Fresh Ponds Road east of current location, pending CR 522 extension	
County/Local	Reconfiguration	Jamesburg Road/Georges Road/Culver Road	Widen lanes, add turning lanes, modernize signals	
County/Local	Traffic Control	Cranbury-South River Road/Costco Drive	Signalization, widen lanes, add turning lanes	
County/Local	Traffic Control	Rt. 27/Finnegans Lane	Modify signal timing	
County/Local	Reconfiguration	Rt. 32/Cranbury-South River Road	Widen lanes, add channelized turning lanes	

22. South Plainfield Borough

Background

South Plainfield Borough is a municipality located in northern Middlesex County. The borough was incorporated by the state legislature in 1926 pursuant to a local referendum, with land taken from Piscataway Township. The area began as a farming community, while the Lehigh Valley Railroad (today Conrail Lehigh Line) would allow for industrial development in the late 1800s. The borough has a total land area of 8.3 square miles, and shares borders with Edison Township and Piscataway Township in Middlesex County, and Plainfield in Union County.

Geography QuickFacts	South Plainfield	Middlesex County	New Jersey
Land area in square miles, 2010	8.3	308.9	7,354.2
Persons per square mile of land area, 2010	2,808.5	2,621.6	1,195.5
Population density, municipal ranking in Middlesex County, 2010	17	N/A	N/A
Housing units per square mile of land area, 2010	971.9	954.3	483.2
Housing unit density, municipal ranking in Middlesex County, 2010	18	N/A	N/A
Water area in square miles, 2010	0.0	13.9	1,368.4
Total area in square miles, 2010	8.4	322.8	8,722.6

Source: 2010 Decennial Census

Population, Housing and Households

Population

During the 2010 Census, South Plainfield Borough had a population of 23,385. Average data for the 2006-2010 period comes from the American Community Survey 5-year estimates.

Population QuickFacts	South Plainfield	Middlesex County	New Jersey
Population, 2011 estimate	23,513	814,217	8,821,155
Population, 2010	23,385	809,858	8,791,894
Population change, 2000 to 2010	+ 1,575	+ 59,696	+ 377,544
Population, percent change, 2000 to 2010	+ 7.2%	+ 8.0%	+ 4.5%
Population, 2000	21,810	750,162	8,414,350
Persons under 5 years, percent, 2010	5.6%	6.2%	6.2%
Persons under 18 years, percent, 2010	23.0%	22.9%	23.5%
Persons 65 years and over, percent, 2010	13.5%	12.3%	13.5%
Median age of population, 2010	40.2	37.2	39.0
Living in same house 1 year & over, 2006-2010	91.5%	88.3%	89.4%
Foreign born persons, percent, 2006-2010	20.0%	29.4%	20.3%
Language other than English spoken at home, pct age 5+, 2006-2010	24.9%	39.5%	28.7%
High school graduates, percent of persons age 25+, 2006-2010	88.2%	88.0%	87.3%
Bachelor's degree or higher, pct of persons age 25+, 2006-2010	27.9%	38.4%	34.6%

Source(s): 2010 Decennial Census, 2006-2010 American Community Survey

Housing

The same census indicated that there were 8,093 housing units in South Plainfield Borough. Of these houses, 33.1% were built in 1970 or later, and 16.0% were built in 1990 or later. The median home value was \$355,300, and 72.8% of housing units had a mortgage.

Housing QuickFacts	South Plainfield	Middlesex County	New Jersey
Housing units, 2010	8,093	294,800	3,553,562
Housing units change, 2000 to 2010	+ 786	+ 21,163	+ 243,287
Housing units, percent change, 2000 to 2010	+ 10.8%	+ 7.7%	+ 7.3%
Housing units, 2000	7,307	273,637	3,310,275
Homeownership rate, 2006-2010	84.2%	67.0%	66.9%
Housing units in multi-unit structures, percent, 2006-2010	14.4%	34.4%	35.9%
Median value of owner-occupied housing units, 2006-2010	\$355,300	\$356,000	\$357,000
Occupied housing units with no vehicle available, percent, 2006-2010	3.4%	8.3%	11.7%
Average number of vehicles per occupied housing unit, 2006-2010	2.1	1.8	1.7

Source(s): 2010 Decennial Census, 2006-2010 American Community Survey

Households

Census defines a household as the group of people occupying distinct living quarters. This group lives and eats separately from other persons, and must have direct access to their housing unit from outside or a common hall.

Household QuickFacts	South Plainfield	Middlesex County	New Jersey
Households, 2006-2010	7,578	277,398	3,176,069
Persons per household, 2006-2010	2.98	2.78	2.69

Source: 2006-2010 American Community Survey

Economic Characteristics

Occupations and Industries of Residents (Labor Force)

During 2006-2010, of the 18,490 individuals age 16 and over, 71.5% were in the labor force. Based on data from the American Community Survey, the three largest professions were:

- Management, business, science and arts occupations, 36.1%
- Sales and office occupations, 30.2%
- Production, transportation, and material moving occupations, 12.9%

When grouped by industry, the three largest shares of the municipal labor force worked in:

- Educational services, health care and social assistance, 19.3%
- Manufacturing, 13.9%
- Professional, scientific, management, administrative and waste management services, 12.2%

Income

During 2006-2010, the median household income in South Plainfield Borough was \$92,263, while the average household income was \$98,556. On a per capita basis, individual income was \$33,495, while 4.0% of the population was living below the poverty level.

Income QuickFacts	South Plainfield	Middlesex County	New Jersey
Per capita money income in past 12 months (2010 dollars) 2006-2010	\$33,495	\$33,289	\$34,858
Median household income, (2010 dollars) 2006-2010	\$92,263	\$77,615	\$69,811
Persons below poverty level, percent, 2006-2010	4.0%	7.4%	9.1%

Source: 2006-2010 American Community Survey

Businesses

Business data is drawn from two datasets produced by the US Census Bureau. The Economic Census, published every 5 years and last released in 2007, is based on a pure population count, similar to the decennial census. It provides information about the size and number of firms, broken out by industry sector. The Survey of Business Owners, published every 5 years and last released in 2007, is based on statistical methodologies and random sampling. It provides information about the number, size and payroll of firms, broken out by sector, gender, ethnicity, race and veteran status.

Business QuickFacts	South Plainfield	Middlesex County	New Jersey
Total number of firms, 2007	1,124	19,056	199,359
Total number of employees, 2007	23,934	404,252	3,631,658
Manufacturers' shipments, 2007 (\$1000)	1,324,143	12,207,299	116,608,094
Merchant wholesaler sales, 2007 (\$1000)	\$1,470,839	\$32,631,795	\$233,413,004
Retail sales, 2007 (\$1000)	\$494,515	\$11,131,032	\$124,813,580
Retail sales per capita, 2007	\$22,035	\$14,274	\$14,453
Accommodation and food services sales, 2007 (\$1000)	\$61,368	\$1,275,068	\$19,993,613
Accommodation and food services sales per capita, 2007	\$2,735	\$1,635	\$2,315

Source(s): 2007 Economic Census, 2007 Survey of Business Owners

Construction

The New Jersey Department of Community Affairs publishes construction statistics based on certificates of occupancy, issued by local construction officials and reported to the state. During 2001-2010, South Plainfield accounted for 2.1% of residential COs in Middlesex County, and 2.6% of nonresidential square footage.

Construction QuickFacts	South Plainfield	Middlesex County	New Jersey
Residential COs for housing units, 2001-2010	420	19,637	241,645
Residential COs, Units, Municipal Ranking in Middlesex County, 2001-2010	12	N/A	N/A
Nonresidential COs, total square feet of floor area, 2001-2010	1,783,705	69,483,581	452,960,897
Nonresidential COs, Sq. Ft., Municipal Ranking in Middlesex County, 2001-2010	11	N/A	N/A

Source(s): 2001-2010 NJ Department of Community Affairs Construction Reporter

Work Travel Behavior and Employment Characteristics

Commute Shed

From 2006-2010, an average of 11,560 covered jobs were held by South Plainfield residents, while a total of 1,622 residents held covered jobs located in South Plainfield. The majority of residents were employed outside Middlesex County, with the largest share of those commuters travelling to Union County. At the municipality level, the largest share of resident commuters stay within South Plainfield Township, with the second largest share travelling to Edison Township.

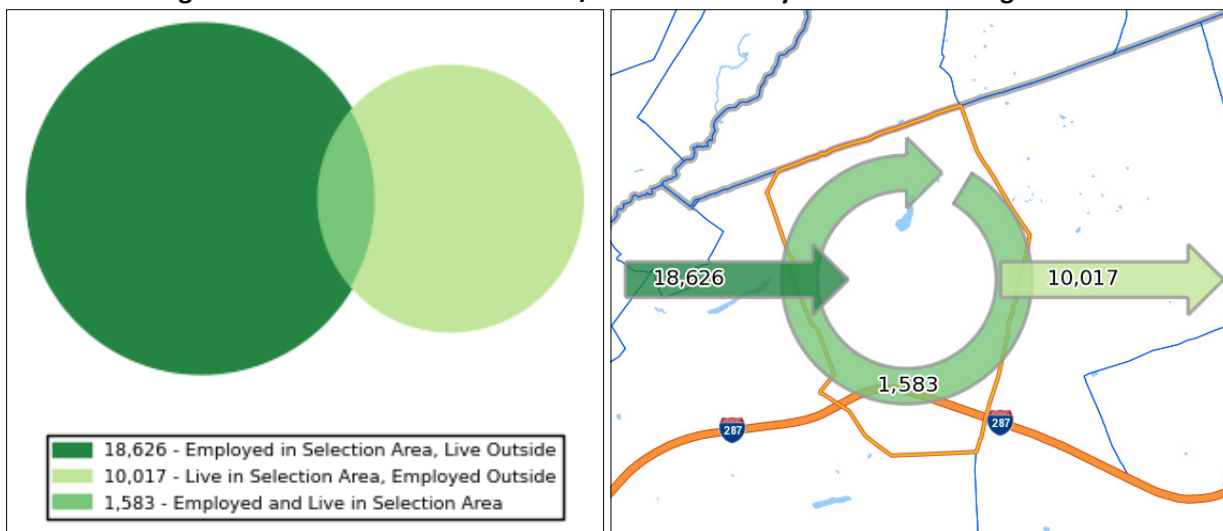
Labor Shed

An average of 19,965 people had primary employment in South Plainfield Borough during the 2006-2010 period. More than a third of these people lived in Middlesex County, with the next largest share coming from Union County. The largest municipal share outside of South Plainfield itself came from Edison Township, followed by Piscataway Township.

<i>Labor Force: Where Residents are Employed</i>	Number	Percent
Total Primary Jobs, 2006-2010 average	11,560	--
Top-5 Destinations by Municipality		
South Plainfield Borough, NJ	1,622	14.0%
Edison Township, NJ	956	8.3%
Manhattan Borough, NY	771	6.7%
Piscataway Township, NJ	585	5.1%
Woodbridge Township, NJ	330	2.9%
Top-5 Destinations by County		
Middlesex County, NJ	4,643	40.2%
Union County, NJ	1,586	13.7%
Somerset County, NJ	1,356	11.7%
New York County, NY	771	6.7%
Essex County, NJ	541	4.7%

<i>Workforce: Where Employees Reside</i>	Number	Percent
Total Primary Jobs, 2006-2010 average	19,965	--
Top-5 Origins by Municipality		
South Plainfield Borough, NJ	1,622	8.1%
Edison Township, NJ	1,157	5.8%
Piscataway Township, NJ	1,118	5.6%
Plainfield City, NJ	892	4.5%
Woodbridge Township, NJ	755	3.8%
Top-5 Origins by County		
Middlesex County, NJ	7,408	37.1%
Union County, NJ	2,524	12.6%
Somerset County, NJ	1,796	9.0%
Monmouth County, NJ	1,127	5.6%
Essex County, NJ	868	4.3%

Figure 22-1: South Plainfield Inflow/Outflow Primary Job Counts during 2010



Source: US Census Bureau, Longitudinal Employer-Household Dynamics (LEHD)

Journey-to-Work

During the 2006-2010 period, the overwhelming majority of people commuting from South Plainfield (83.2%) drove to work in cars occupied solely by the driver. This was true for both commuters within Middlesex County, as well as commuters that left the county, but remained in-state.

Commuting QuickFacts	South Plainfield	Middlesex County	New Jersey
Mean travel time to work (minutes), workers age 16+, 2006-2010	28.8	31.7	29.8
Drove alone to work, percent of workers, 2006-2010	83.2%	73.1%	71.6%
Public transportation to work, percent of workers, 2006-2010	3.2%	9.8%	10.6%

Source: 2006-2010 American Community Survey

A plurality of people commuting out-of-state also drove alone, while 37.4% used public transit to reach their destination. An additional 2.4% of commuters walked to work, while 2.4% more worked from home, and therefore did not have a significant impact on the morning or evening rush hours.

Means of Commuting	All Places of Work		In-state, In-county		In-state, Out-of-county		Out-of-State	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Drove Alone	9,777	83.2%	4,731	80.9%	4,658	91.5%	388	47.8%
Carpooled	983	8.4%	566	9.7%	328	6.4%	89	11.0%
Public Transit	371	3.2%	0	0.0%	67	1.3%	304	37.4%
Taxi, Motorcycle, Bicycle, or Other	47	0.4%	0	0.0%	38	0.7%	9	1.1%
Walked	287	2.4%	265	4.5%	0	0.0%	22	2.7%
Worked from Home	285	2.4%	285	4.9%	--	--	--	--
Total	11,750	100.0%	5,847	100.0%	5,091	100.0%	812	100.0%

Source: 2006-2010 American Community Survey

Transportation Planning Documents

South Plainfield most recently updated their Master Plan in May of 2000, at which time the circulation element was also updated. The most recent reexamination report is from June 2006. The following potential improvements were included in the South Plainfield Borough Master Plan:

Table 22-1 South Plainfield Roadway Recommendations

Jurisdiction	Type	Location	Description	Status
	Expansion	Front Street	Widening	
	New Construction	Helen Street	Extend from Antoinette Street to Metuchen Road, with possible further extension to Park Avenue	
	New Construction	Kentile Road	Connect Metuchen Road and Park Avenue	

Table 22-2 South Plainfield Intersection Recommendations

Jurisdiction	Type	Location	Description	Status
County/Local	Reconfiguration	Oak Tree Avenue/Park Avenue	Add third northbound right-turn/through lane	
	Reconfiguration	Oak Tree Avenue/Front Street	Widening, add turning lane	
County/Local	Traffic Control	Maple Avenue/Lakeview Avenue	Signal update	
	Reconfiguration	Stelton Road/Hamilton Boulevard	Add second left-turn lane onto Stelton	
	Reconfiguration	Centennial Avenue/Hadley Road	Intersection Improvements	
	Realignment	I-287/Durham Road	Ramp realignments and widening	

Table 22-3 South Plainfield Bicycle/Pedestrian Recommendations

Jurisdiction	Type	Location	Description	Status
	Pedestrian	Montrose Avenue	Installation of handicapped ramps	
	Pedestrian	Spring Lake Park	Expansion of core system to roadway network	

Table 22-4 South Plainfield Parking Recommendations

Jurisdiction	Type	Location	Description	Status
	New Construction	Intermodal Commuter Facility	Construction of Parking Deck for Bus Service	

Table 22-5 South Plainfield Miscellaneous Recommendations

Type	Description	Status
	Reduce truck access to local roads	

23. South River Borough

Background

South River Borough is a municipality located in central Middlesex County. It was incorporated as an independent borough in 1898, separating from East Brunswick Township. At the onset of the 20th century, the borough was a hub of industrial manufacturing and shipping. With the decline of manufacturing, though, the borough today is primarily a residential community, arranged around a bustling Main Street corridor. The borough has a total land area of 2.8 square miles, and shares borders with Sayreville Borough and East Brunswick Township.

Geography QuickFacts	South River	Middlesex County	New Jersey
Land area in square miles, 2010	2.8	308.9	7,354.2
Persons per square mile of land area, 2010	5,781.4	2,621.6	1,195.5
Population density, municipal ranking in Middlesex County, 2010	6	N/A	N/A
Housing units per square mile of land area, 2010	2,151.4	954.3	483.2
Housing unit density, municipal ranking in Middlesex County, 2010	7	N/A	N/A
Water area in square miles, 2010	0.1	13.9	1,368.4
Total area in square miles, 2010	2.9	322.8	8,722.6

Source: 2010 Decennial Census

Population, Housing and Households

Population

During the 2010 Census, South River Borough had a population of 16,008. Average data for the 2006-2010 period comes from the American Community Survey 5-year estimates.

Population QuickFacts	South River	Middlesex County	New Jersey
Population, 2011 estimate	16,097	814,217	8,821,155
Population, 2010	16,008	809,858	8,791,894
Population change, 2000 to 2010	+ 686	+ 59,696	+ 377,544
Population, percent change, 2000 to 2010	+ 4.5%	+ 8.0%	+ 4.5%
Population, 2000	15,322	750,162	8,414,350
Persons under 5 years, percent, 2010	6.3%	6.2%	6.2%
Persons under 18 years, percent, 2010	22.6%	22.9%	23.5%
Persons 65 years and over, percent, 2010	11.8%	12.3%	13.5%
Median age of population, 2010	37.2	37.2	39.0
Living in same house 1 year & over, 2006-2010	91.5%	88.3%	89.4%
Foreign born persons, percent, 2006-2010	31.6%	29.4%	20.3%
Language other than English spoken at home, pct age 5+, 2006-2010	42.4%	39.5%	28.7%
High school graduates, percent of persons age 25+, 2006-2010	79.1%	88.0%	87.3%
Bachelor's degree or higher, pct of persons age 25+, 2006-2010	23.2%	38.4%	34.6%

Source(s): 2010 Decennial Census, 2006-2010 American Community Survey

Housing

The same census indicated that there were 5,957 housing units in South River Borough. Of these houses, 24.4% were built in 1970 or later, and 17.0% were built in 1990 or later. The median home value was \$339,000, and 67.9% of housing units had a mortgage.

Housing QuickFacts	South River	Middlesex County	New Jersey
Housing units, 2010	5,957	294,800	3,553,562
Housing units change, 2000 to 2010	+ 188	+ 21,163	+ 243,287
Housing units, percent change, 2000 to 2010	+ 3.3%	+ 7.7%	+ 7.3%
Housing units, 2000	5,769	273,637	3,310,275
Homeownership rate, 2006-2010	73.1%	67.0%	66.9%
Housing units in multi-unit structures, percent, 2006-2010	25.5%	34.4%	35.9%
Median value of owner-occupied housing units, 2006-2010	\$339,000	\$356,000	\$357,000
Occupied housing units with no vehicle available, percent, 2006-2010	11.4%	8.3%	11.7%
Average number of vehicles per occupied housing unit, 2006-2010	1.8	1.8	1.7

Source(s): 2010 Decennial Census, 2006-2010 American Community Survey

Households

Census defines a household as the group of people occupying distinct living quarters. This group lives and eats separately from other persons, and must have direct access to their housing unit from outside or a common hall.

Household QuickFacts	South River	Middlesex County	New Jersey
Households, 2006-2010	5,556	277,398	3,176,069
Persons per household, 2006-2010	2.85	2.78	2.69

Source: 2006-2010 American Community Survey

Economic Characteristics

Occupations and Industries of Residents (Labor Force)

During 2006-2010, of the 12,633 individuals age 16 and over, 68.1 % were in the labor force. Based on data from the American Community Survey, the three largest professions were:

- Management, business, science and arts occupations, 26.3%
- Sales and office occupations, 25.9%
- Service occupations, 16.7%

When grouped by industry, the three largest shares of the municipal labor force worked in:

- Educational services, health care and social assistance, 17.3%
- Construction, 14.6%
- Professional, scientific, management, administrative and waste management services, 13.4%

Income

During 2006-2010, the median household income in South River Borough was \$62,284, while the average household income was \$77,789. On a per capita basis, individual income was \$28,178, while 6.6% of the population was living below the poverty level.

Income QuickFacts	South River	Middlesex County	New Jersey
Per capita money income in past 12 months (2010 dollars) 2006-2010	\$28,178	\$33,289	\$34,858
Median household income, (2010 dollars) 2006-2010	\$62,284	\$77,615	\$69,811
Persons below poverty level, percent, 2006-2010	6.6%	7.4%	9.1%

Source: 2006-2010 American Community Survey

Businesses

Business data is drawn from two datasets produced by the US Census Bureau. The Economic Census, published every 5 years and last released in 2007, is based on a pure population count, similar to the decennial census. It provides information about the size and number of firms, broken out by industry sector. The Survey of Business Owners, published every 5 years and last released in 2007, is based on statistical methodologies and random sampling. It provides information about the number, size and payroll of firms, broken out by sector, gender, ethnicity, race and veteran status.

Business QuickFacts	South River	Middlesex County	New Jersey
Total number of firms, 2007	411	19,056	199,359
Total number of employees, 2007	5,369	404,252	3,631,658
Manufacturers' shipments, 2007 (\$1000)	N/A	12,207,299	116,608,094
Merchant wholesaler sales, 2007 (\$1000)	\$249,691	\$32,631,795	\$233,413,004
Retail sales, 2007 (\$1000)	\$59,630	\$11,131,032	\$124,813,580
Retail sales per capita, 2007	\$3,828	\$14,274	\$14,453
Accommodation and food services sales, 2007 (\$1000)	\$5,873	\$1,275,068	\$19,993,613
Accommodation and food services sales per capita, 2007	\$377	\$1,635	\$2,315

Source(s): 2007 Economic Census, 2007 Survey of Business Owners

Construction

The New Jersey Department of Community Affairs publishes construction statistics based on certificates of occupancy, issued by local construction officials and reported to the state. During 2001-2010, South River accounted for 0.8% of residential COs in Middlesex County, and 0.2% of nonresidential square footage.

Construction QuickFacts	South River	Middlesex County	New Jersey
Residential COs for housing units, 2001-2010	155	19,637	241,645
Residential COs, Units, Municipal Ranking in Middlesex County, 2001-2010	18	N/A	N/A
Nonresidential COs, total square feet of floor area, 2001-2010	172,383	69,483,581	452,960,897
Nonresidential COs, Sq. Ft., Municipal Ranking in Middlesex County, 2001-2010	20	N/A	N/A

Source(s): 2001-2010 NJ Department of Community Affairs Construction Reporter

Work Travel Behavior and Employment Characteristics

Commute Shed

From 2006-2010, an average of 6,834 covered jobs were held by South River residents, while a total of 596 residents held covered jobs located in South River. A narrow majority of residents were employed outside Middlesex County, with the largest share of those commuters travelling to Monmouth County. At the municipality level, the largest share of resident commuters stay within South River Borough, with the second largest share travelling to East Brunswick.

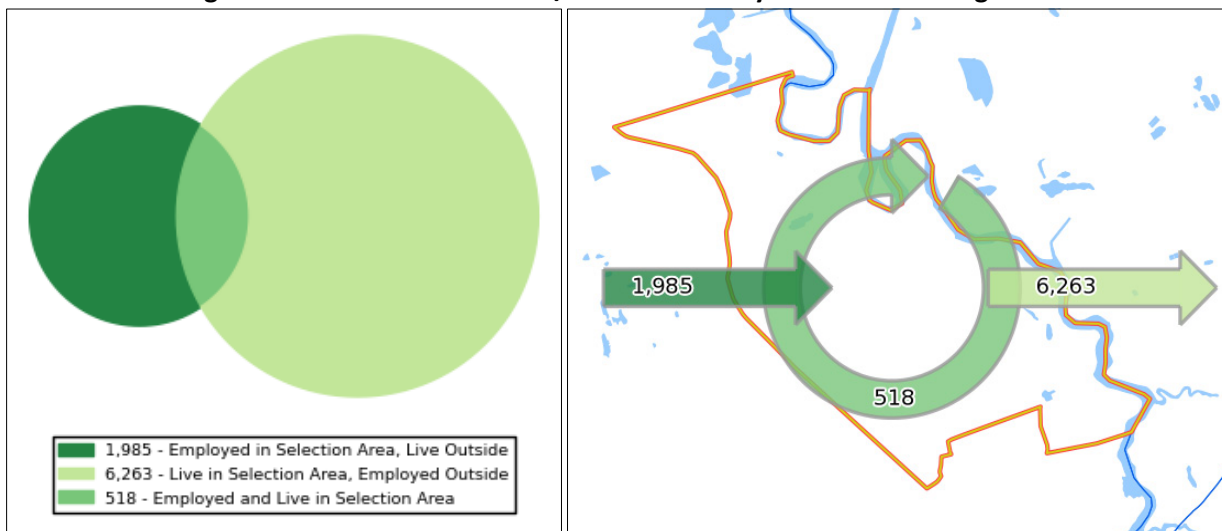
<i>Labor Force: Where Residents are Employed</i>	Number	Percent
Total Primary Jobs, 2006-2010 average	6,834	--
Top-5 Destinations by Municipality		
South River Borough, NJ	596	8.7%
East Brunswick Township, NJ	466	6.8%
Manhattan Borough, NY	422	6.2%
New Brunswick City, NJ	388	5.7%
Edison Township, NJ	337	4.9%
Top-5 Destinations by County		
Middlesex County, NJ	3,330	48.7%
Monmouth County, NJ	449	6.6%
New York County, NY	422	6.2%
Somerset County, NJ	400	5.9%
Mercer County, NJ	339	5.0%

Labor Shed

An average of 2,871 people had primary covered employment in South River Borough during the 2006-2010 period. More than half of these people lived in Middlesex County, with the next largest share coming from Monmouth County. The largest municipal share outside of South River itself came from East Brunswick Township, followed by Sayreville Borough.

<i>Workforce: Where Employees Reside</i>	Number	Percent
Total Primary Jobs, 2006-2010 average	2,871	--
Top-5 Origins by Municipality		
South River Borough, NJ	596	20.8%
East Brunswick Township, NJ	171	6.0%
Sayreville Borough, NJ	134	4.7%
Old Bridge Township, NJ	105	3.7%
Perth Amboy City, NJ	103	3.6%
Top-5 Origins by County		
Middlesex County, NJ	1,571	54.7%
Monmouth County, NJ	232	8.1%
Ocean County, NJ	127	4.4%
Union County, NJ	124	4.3%
Somerset County, NJ	104	3.6%

Figure 23-1: South River Inflow/Outflow Primary Job Counts during 2010



Source: US Census Bureau, Longitudinal Employer-Household Dynamics (LEHD)

Journey-to-Work

During the 2006-2010 period, a majority of people commuting from South River (69.1%) drove to work in cars occupied solely by the driver. This was true for both commuters within Middlesex County, as well as commuters that left the county, but remained in-state.

Commuting QuickFacts	South River	Middlesex County	New Jersey
Mean travel time to work (minutes), workers age 16+, 2006-2010	28.7	31.7	29.8
Drove alone to work, percent of workers, 2006-2010	69.1%	73.1%	71.6%
Public transportation to work, percent of workers, 2006-2010	5.3%	9.8%	10.6%

Source: 2006-2010 American Community Survey

A plurality of people commuting out-of-state used public transit to reach their destination, while 6.7% of all commuters walked to work. An additional 2.6% worked from home, and therefore did not have a significant impact on the morning or evening rush hours.

Means of Commuting	All Places of Work		In-state, In-county		In-state, Out-of-county		Out-of-State	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Drove Alone	5,152	69.1%	3,499	68.5%	1,497	77.0%	156	38.4%
Carpooled	1,137	15.2%	666	13.0%	405	20.8%	66	16.3%
Public Transit	393	5.3%	185	3.6%	41	2.1%	167	41.1%
Taxi, Motorcycle, Bicycle, or Other	83	1.1%	83	1.6%	0	0.0%	0	0.0%
Walked	497	6.7%	480	9.4%	0	0.0%	17	4.2%
Worked from Home	194	2.6%	194	3.8%	--	--	--	--
Total	7,456	100.0%	5,107	100.0%	1,943	100.0%	406	100.0%

Source: 2006-2010 American Community Survey

Transportation Planning Documents

South River most recently updated their Master Plan in February of 2011, at which time the circulation element was also updated. The following potential improvements were included in the South River Borough Master Plan:

Table 23-1 South River Roadway Recommendations

Jurisdiction	Type	Location	Description	Status
	New Construction	Oak Street between Bryan Street and Kamm Avenue	Contiguous Connection	
	Study Required	Reid Street between George Street and Stephen Street	Roadway Improvements	
	Realignment	Whitehead Avenue	Re-radius "S-turn at southern end"	

Table 23-2 South River Intersection Recommendations

Jurisdiction	Type	Location	Description	Status
	Study Required	Prospect Street/Nelson Street	Signalization/Intersection Improvements	
	Study Required	Main Street/Ferry Street	Signalization/Intersection Improvements	
	Study Required	Prospect Street/William Street	Signalization/Intersection Improvements	
	Study Required	Main Street/Water Street	Signalization/Intersection Improvements	
	Study Required	Willett Avenue/Hillside Avenue	Signalization/Intersection Improvements	
	Study Required	Main Street/Gordon Street	Signalization/Intersection Improvements	
	Study Required	Willett Avenue/Johnson Place	Signalization/Intersection Improvements	
	Study Required	Washington Street/Obert Street	Signalization/Intersection Improvements	

Table 23-3 South River Bicycle/Pedestrian Recommendations

Jurisdiction	Type	Location	Description	Status
	New Construction	Grekoski Park, Whitehead Avenue, Kuberski Court and Samuel Drive	Vitaway Bicycle and Pedestrian Way	

Table 23-4 South River Miscellaneous Recommendations

Type	Description	Status
Bus/Rail	Place additional bus stops along Main Street	

24. Spotswood Borough

Background

Spotswood Borough is a municipality located in southern Middlesex County. The area broke away from East Brunswick Township in 1908, based on the results of a community referendum. The town developed around manufacturing, producing a diverse array of products over the years. Beginning in the 20th century, however, many of these factories were replaced by residential development. The borough has a total land area of 2.3 square miles, and shares borders with East Brunswick Township, Old Bridge Township, Monroe Township and Helmetta Borough.

Geography QuickFacts	Spotswood	Middlesex County	New Jersey
Land area in square miles, 2010	2.3	308.9	7,354.2
Persons per square mile of land area, 2010	3,642.2	2,621.6	1,195.5
Population density, municipal ranking in Middlesex County, 2010	13	N/A	N/A
Housing units per square mile of land area, 2010	1,430.1	954.3	483.2
Housing unit density, municipal ranking in Middlesex County, 2010	13	N/A	N/A
Water area in square miles, 2010	0.2	13.9	1,368.4
Total area in square miles, 2010	2.5	322.8	8,722.6

Source: 2010 Decennial Census

Population, Housing and Households

Population

During the 2010 Census, Spotswood Borough had a population of 8,257. Average data for the 2006-2010 period comes from the American Community Survey 5-year estimates.

Population QuickFacts	Spotswood	Middlesex County	New Jersey
Population, 2011 estimate	8,301	814,217	8,821,155
Population, 2010	8,257	809,858	8,791,894
Population change, 2000 to 2010	+ 377	+ 59,696	+ 377,544
Population, percent change, 2000 to 2010	+ 4.8%	+ 8.0%	+ 4.5%
Population, 2000	7,880	750,162	8,414,350
Persons under 5 years, percent, 2010	5.5%	6.2%	6.2%
Persons under 18 years, percent, 2010	21.1%	22.9%	23.5%
Persons 65 years and over, percent, 2010	18.9%	12.3%	13.5%
Median age of population, 2010	43.5	37.2	39.0
Living in same house 1 year & over, 2006-2010	94.2%	88.3%	89.4%
Foreign born persons, percent, 2006-2010	10.2%	29.4%	20.3%
Language other than English spoken at home, pct age 5+, 2006-2010	12.2%	39.5%	28.7%
High school graduates, percent of persons age 25+, 2006-2010	87.3%	88.0%	87.3%
Bachelor's degree or higher, pct of persons age 25+, 2006-2010	22.8%	38.4%	34.6%

Source(s): 2010 Decennial Census, 2006-2010 American Community Survey

Housing

The same census indicated that there were 3,242 housing units in Spotswood Borough. Of these houses, 35.4% were built in 1970 or later, and 9.6% were built in 1990 or later. The median home value was \$321,500, and 67.1% of housing units had a mortgage.

Housing QuickFacts	Spotswood	Middlesex County	New Jersey
Housing units, 2010	3,242	294,800	3,553,562
Housing units change, 2000 to 2010	+ 84	+ 21,163	+ 243,287
Housing units, percent change, 2000 to 2010	+ 2.7%	+ 7.7%	+ 7.3%
Housing units, 2000	3,158	273,637	3,310,275
Homeownership rate, 2006-2010	80.1%	67.0%	66.9%
Housing units in multi-unit structures, percent, 2006-2010	17.9%	34.4%	35.9%
Median value of owner-occupied housing units, 2006-2010	\$321,500	\$356,000	\$357,000
Occupied housing units with no vehicle available, percent, 2006-2010	8.7%	8.3%	11.7%
Average number of vehicles per occupied housing unit, 2006-2010	1.9	1.8	1.7

Source(s): 2010 Decennial Census, 2006-2010 American Community Survey

Households

Census defines a household as the group of people occupying distinct living quarters. This group lives and eats separately from other persons, and must have direct access to their housing unit from outside or a common hall.

Household QuickFacts	Spotswood	Middlesex County	New Jersey
Households, 2006-2010	3,183	277,398	3,176,069
Persons per household, 2006-2010	2.57	2.78	2.69

Source: 2006-2010 American Community Survey

Economic Characteristics

Occupations and Industries of Residents (Labor Force)

During 2006-2010, of the 6,524 individuals age 16 and over, 66.9% were in the labor force. Based on data from the American Community Survey, the three largest professions were:

- Management, business, science and arts occupations, 34.2%
- Sales and office occupations, 26.4%
- Service occupations, 17.1%

When grouped by industry, the three largest shares of the municipal labor force worked in:

- Educational services, health care and social assistance, 24.4%
- Manufacturing, 12.1%
- Professional, scientific, management, administrative and waste management services, 10.5%

Income

During 2006-2010, the median household income in Spotswood Borough was \$70,360, while the average household income was \$78,842. On a per capita basis, individual income was \$31,249, while 3.3% of the population was living below the poverty level.

Income QuickFacts	Spotswood	Middlesex County	New Jersey
Per capita money income in past 12 months (2010 dollars) 2006-2010	\$31,249	\$33,289	\$34,858
Median household income, (2010 dollars) 2006-2010	\$70,360	\$77,615	\$69,811
Persons below poverty level, percent, 2006-2010	3.3%	7.4%	9.1%

Source: 2006-2010 American Community Survey

Businesses

Business data is drawn from two datasets produced by the US Census Bureau. The Economic Census, published every 5 years and last released in 2007, is based on a pure population count, similar to the decennial census. It provides information about the size and number of firms, broken out by industry sector. The Survey of Business Owners, published every 5 years and last released in 2007, is based on statistical methodologies and random sampling. It provides information about the number, size and payroll of firms, broken out by sector, gender, ethnicity, race and veteran status.

Business QuickFacts	Spotswood	Middlesex County	New Jersey
Total number of firms, 2007	155	19,056	199,359
Total number of employees, 2007	1,786	404,252	3,631,658
Manufacturers' shipments, 2007 (\$1000)	N/A	12,207,299	116,608,094
Merchant wholesaler sales, 2007 (\$1000)	\$15,540	\$32,631,795	\$233,413,004
Retail sales, 2007 (\$1000)	\$137,409	\$11,131,032	\$124,813,580
Retail sales per capita, 2007	\$16,981	\$14,274	\$14,453
Accommodation and food services sales, 2007 (\$1000)	\$6,625	\$1,275,068	\$19,993,613
Accommodation and food services sales per capita, 2007	\$819	\$1,635	\$2,315

Source(s): 2007 Economic Census, 2007 Survey of Business Owners

Construction

The New Jersey Department of Community Affairs publishes construction statistics based on certificates of occupancy, issued by local construction officials and reported to the state. During 2001-2010, Spotswood accounted for 0.6% of residential COs in Middlesex County, and 0.3% of nonresidential square footage.

Construction QuickFacts	Spotswood	Middlesex County	New Jersey
Residential COs for housing units, 2001-2010	110	19,637	241,645
Residential COs, Units, Municipal Ranking in Middlesex County, 2001-2010	20	N/A	N/A
Nonresidential COs, total square feet of floor area, 2001-2010	175,385	69,483,581	452,960,897
Nonresidential COs, Sq. Ft., Municipal Ranking in Middlesex County, 2001-2010	19	N/A	N/A

Source(s): 2001-2010 NJ Department of Community Affairs Construction Reporter

Work Travel Behavior and Employment Characteristics

Commute Shed

From 2006-2010, an average of 4,016 covered jobs were held by Spotswood residents, while a total of 127 residents held covered jobs located in Spotswood. The majority of residents were employed outside Middlesex County, with the largest share of those commuters travelling to Monmouth County. At the municipality level, the largest share of resident commuters travel to East Brunswick Township, with the second largest share travelling into Manhattan.

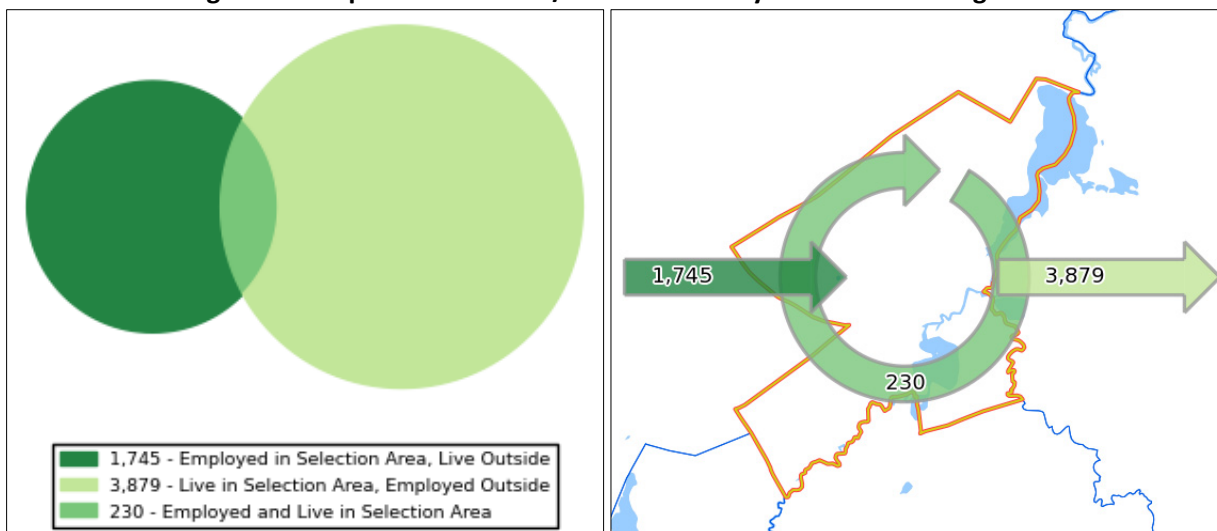
<i>Labor Force: Where Residents are Employed</i>	Number	Percent
Total Primary Jobs, 2006-2010 average	4,016	--
Top-5 Destinations by Municipality		
East Brunswick Township, NJ	335	8.3%
Manhattan Borough, NY	268	6.7%
Spotswood Borough, NJ	225	5.6%
New Brunswick City, NJ	198	4.9%
Edison Township, NJ	183	4.6%
Top-5 Destinations by County		
Middlesex County, NJ	1,901	47.3%
Monmouth County, NJ	338	8.4%
New York County, NY	268	6.7%
Union County, NJ	219	5.5%
Somerset County, NJ	214	5.3%

Labor Shed

An average of 2,054 people had primary covered employment in Cranbury Township during the 2006-2010 period. More than half of these people lived in Middlesex County, with the next largest share coming from Monmouth County. The largest municipal share outside of Spotswood itself came from Monroe Township, followed by East Brunswick Township.

<i>Workforce: Where Employees Reside</i>	Number	Percent
Total Primary Jobs, 2006-2010 average	2,054	--
Top-5 Origins by Municipality		
Spotswood Borough, NJ	225	11.0%
Monroe Township, NJ	224	10.9%
East Brunswick Township, NJ	158	7.7%
Old Bridge Township, NJ	130	6.3%
Sayreville Borough, NJ	70	3.4%
Top-5 Origins by County		
Middlesex County, NJ	1,200	58.4%
Monmouth County, NJ	200	9.7%
Union County, NJ	122	5.9%
Ocean County, NJ	105	5.1%
Mercer County, NJ	89	4.3%

Figure 24-1: Spotswood Inflow/Outflow Primary Job Counts during 2010



Source: US Census Bureau, Longitudinal Employer-Household Dynamics (LEHD)

Journey-to-Work

During the 2006-2010 period, the overwhelming majority of people commuting from Spotswood (86.9%) drove to work in cars occupied solely by the driver. This was true for both commuters within Middlesex County, as well as commuters that left the county, but remained in-state.

Commuting QuickFacts	Spotswood	Middlesex County	New Jersey
Mean travel time to work (minutes), workers age 16+, 2006-2010	29.0	31.7	29.8
Drove alone to work, percent of workers, 2006-2010	86.9%	73.1%	71.6%
Public transportation to work, percent of workers, 2006-2010	1.9%	9.8%	10.6%

Source: 2006-2010 American Community Survey

A majority of people commuting out-of-state drove to work, while 35.3% used public transit to reach their destination. An additional 2.1% of commuters walked to work, while 2.6% more worked from home, and therefore did not have a significant impact on the morning or evening rush hours.

Means of Commuting	All Places of Work		In-state, In-county		In-state, Out-of-county		Out-of-State	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Drove Alone	3,500	86.9%	2,162	85.4%	1,259	94.0%	79	50.6%
Carpooled	250	6.2%	168	6.6%	60	4.5%	22	14.1%
Public Transit	75	1.9%	0	0.0%	20	1.5%	55	35.3%
Taxi, Motorcycle, Bicycle, or Other	12	0.3%	12	0.5%	0	0.0%	0	0.0%
Walked	86	2.1%	86	3.4%	0	0.0%	0	0.0%
Worked from Home	104	2.6%	104	4.1%	--	--	--	--
Total	4,027	100.0%	2,532	100.0%	1,339	100.0%	156	100.0%

Source: 2006-2010 American Community Survey

Transportation Planning Documents

Spotswood most recently updated their Master Plan in March 1988, at which time the circulation element was also updated. The following potential improvements were included in the Spotswood Borough Master Plan:

Table 24-1 Spotswood Roadway Recommendations

Jurisdiction	Type	Location	Description	Status
	Expansion	Summerhill Road	Widen ROW to 88 feet	
	Expansion	Main Street	Widen ROW to 72 feet	
	Expansion	DeVoe Avenue	Widen ROW to 66 feet	
	Expansion	Crescent Avenue	Widening	
County/Local	Expansion	Main Street	Widen to 3 lanes, two lanes carrying rush-hour traffic flow	
	New Construction	Summerhill Road	Extend south to Old Texas Road in Old Bridge	
County/Local	Reconfiguration	DeVoe Avenue Bridge	Bridge Improvements, dam gate repair	

Table 24-2 Spotswood Intersection Recommendations

Jurisdiction	Type	Location	Description	Status
	Realignment	Vliet Street-DeVoe Avenue/Main Street	Align Vliet with intersection of DeVoe and Main	X

25. Woodbridge Township

Background

Woodbridge Township is a municipality located in northern Middlesex County. First granted a Royal Charter in 1669, it was incorporated by the state legislature in 1798. Comprised of ten distinct sections, Woodbridge is the 5th most populous municipality in New Jersey. The township has a total land area of 23.2 square miles, and shares borders with Carteret Borough, Perth Amboy, Sayreville Borough and Edison Township in Middlesex County, Clark, Rahway and Linden in Union County, and Richmond County, NY (Borough of Staten Island) across the Arthur Kill.

Geography QuickFacts	Woodbridge	Middlesex County	New Jersey
Land area in square miles, 2010	23.2	308.9	7,354.2
Persons per square mile of land area, 2010	4,290.0	2,621.6	1,195.5
Population density, municipal ranking in Middlesex County, 2010	11	N/A	N/A
Housing units per square mile of land area, 2010	1,556.2	954.3	483.2
Housing unit density, municipal ranking in Middlesex County, 2010	11	N/A	N/A
Water area in square miles, 2010	1.3	13.9	1,368.4
Total area in square miles, 2010	24.5	322.8	8,722.6

Source: 2010 Decennial Census

Population, Housing and Households

Population

During the 2010 Census, Woodbridge Township had a population of 99,585. Average data for the 2006-2010 period comes from the American Community Survey 5-year estimates.

Population QuickFacts	Woodbridge	Middlesex County	New Jersey
Population, 2011 estimate	100,119	814,217	8,821,155
Population, 2010	99,585	809,858	8,791,894
Population change, 2000 to 2010	+ 2,382	+ 59,696	+ 377,544
Population, percent change, 2000 to 2010	+ 2.5%	+ 8.0%	+ 4.5%
Population, 2000	97,203	750,162	8,414,350
Persons under 5 years, percent, 2010	6.2%	6.2%	6.2%
Persons under 18 years, percent, 2010	21.6%	22.9%	23.5%
Persons 65 years and over, percent, 2010	12.6%	12.3%	13.5%
Median age of population, 2010	38.6	37.2	39.0
Living in same house 1 year & over, 2006-2010	89.9%	88.3%	89.4%
Foreign born persons, percent, 2006-2010	28.2%	29.4%	20.3%
Language other than English spoken at home, pct age 5+, 2006-2010	37.5%	39.5%	28.7%
High school graduates, percent of persons age 25+, 2006-2010	87.7%	88.0%	87.3%
Bachelor's degree or higher, pct of persons age 25+, 2006-2010	31.2%	38.4%	34.6%

Source(s): 2010 Decennial Census, 2006-2010 American Community Survey

Housing

The same census indicated that there were 36,124 housing units in Woodbridge Township. Of these houses, 32.5% were built in 1970 or later, and 11.9% were built in 1990 or later. The median home value was \$342,500, and 70.7% of housing units had a mortgage.

Housing QuickFacts	Woodbridge	Middlesex County	New Jersey
Housing units, 2010	36,124	294,800	3,553,562
Housing units change, 2000 to 2010	+ 826	+ 21,163	+ 243,287
Housing units, percent change, 2000 to 2010	+ 2.3%	+ 7.7%	+ 7.3%
Housing units, 2000	35,298	273,637	3,310,275
Homeownership rate, 2006-2010	69.8%	67.0%	66.9%
Housing units in multi-unit structures, percent, 2006-2010	31.8%	34.4%	35.9%
Median value of owner-occupied housing units, 2006-2010	\$342,500	\$356,000	\$357,000
Occupied housing units with no vehicle available, percent, 2006-2010	7.5%	8.3%	11.7%
Average number of vehicles per occupied housing unit, 2006-2010	1.8	1.8	1.7

Source(s): 2010 Decennial Census, 2006-2010 American Community Survey

Households

Census defines a household as the group of people occupying distinct living quarters. This group lives and eats separately from other persons, and must have direct access to their housing unit from outside or a common hall.

Household QuickFacts	Woodbridge	Middlesex County	New Jersey
Households, 2006-2010	34,729	277,398	3,176,069
Persons per household, 2006-2010	2.77	2.78	2.69

Source: 2006-2010 American Community Survey

Economic Characteristics

Occupations and Industries of Residents (Labor Force)

During 2006-2010, of the 80,122 individuals age 16 and over, 66.5% were in the labor force. Based on data from the American Community Survey, the three largest professions were:

- Management, business, science and arts occupations, 39.3%
- Sales and office occupations, 29.8%
- Service occupations, 11.8%

When grouped by industry, the three largest shares of the municipal labor force worked in:

- Educational services, health care and social assistance, 18.8%
- Professional, scientific, management, administrative and waste management services, 14.1%
- Retail trade, 14.0%

Income

During 2006-2010, the median household income in Woodbridge Township was \$79,277, while the average household income was \$89,423. On a per capita basis, individual income was \$32,144, while 5.0% of the population was living below the poverty level.

Income QuickFacts	Woodbridge	Middlesex County	New Jersey
Per capita money income in past 12 months (2010 dollars) 2006-2010	\$32,144	\$33,289	\$34,858
Median household income, (2010 dollars) 2006-2010	\$79,277	\$77,615	\$69,811
Persons below poverty level, percent, 2006-2010	5.0%	7.4%	9.1%

Source: 2006-2010 American Community Survey

Businesses

Business data is drawn from two datasets produced by the US Census Bureau. The Economic Census, published every 5 years and last released in 2007, is based on a pure population count, similar to the decennial census. It provides information about the size and number of firms, broken out by industry sector. The Survey of Business Owners, published every 5 years and last released in 2007, is based on statistical methodologies and random sampling. It provides information about the number, size and payroll of firms, broken out by sector, gender, ethnicity, race and veteran status.

Business QuickFacts	Woodbridge	Middlesex County	New Jersey
Total number of firms, 2007	2,566	19,056	199,359
Total number of employees, 2007	56,896	404,252	3,631,658
Manufacturers' shipments, 2007 (\$1000)	1,178,489	12,207,299	116,608,094
Merchant wholesaler sales, 2007 (\$1000)	\$6,115,555	\$32,631,795	\$233,413,004
Retail sales, 2007 (\$1000)	\$2,163,085	\$11,131,032	\$124,813,580
Retail sales per capita, 2007	\$22,207	\$14,274	\$14,453
Accommodation and food services sales, 2007 (\$1000)	\$195,962	\$1,275,068	\$19,993,613
Accommodation and food services sales per capita, 2007	\$2,012	\$1,635	\$2,315

Source(s): 2007 Economic Census, 2007 Survey of Business Owners

Construction

The New Jersey Department of Community Affairs publishes construction statistics based on certificates of occupancy, issued by local construction officials and reported to the state. During 2001-2010, Woodbridge accounted for 5.2% of residential COs in Middlesex County, and 8.9% of nonresidential square footage.

Construction QuickFacts	Woodbridge	Middlesex County	New Jersey
Residential COs for housing units, 2001-2010	1,017	19,637	241,645
Residential COs, Units, Municipal Ranking in Middlesex County, 2001-2010	7	N/A	N/A
Nonresidential COs, total square feet of floor area, 2001-2010	6,173,720	69,483,581	452,960,897
Nonresidential COs, Sq. Ft., Municipal Ranking in Middlesex County, 2001-2010	5	N/A	N/A

Source(s): 2001-2010 NJ Department of Community Affairs Construction Reporter

Work Travel Behavior and Employment Characteristics

Commute Shed

From 2006-2010, an average of 43,253 covered jobs were held by Woodbridge residents, while a total of 6,584 residents held covered jobs located in Woodbridge. The majority of residents were employed outside Middlesex County, with the largest share of those commuters travelling to adjacent Union County. At the municipality level outside of Woodbridge itself, the largest share of resident commuters travelled to Edison Township, followed by Manhattan, NYC.

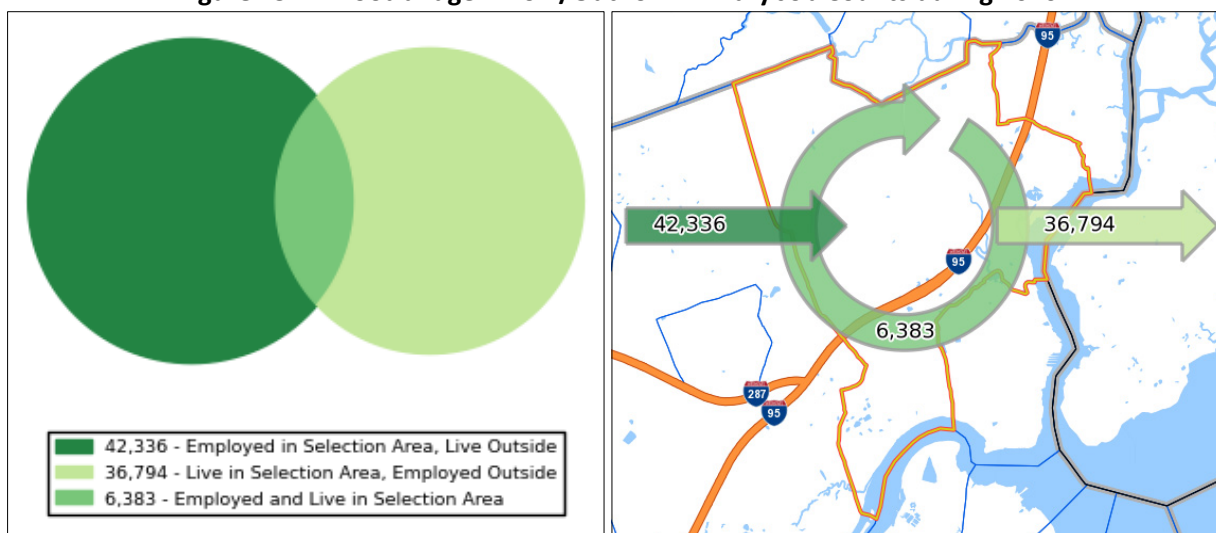
Labor Shed

An average of 49,296 people had primary covered employment in Woodbridge Township during the 2006-2010 period. More than a third of these people lived in Middlesex County, with the next largest share coming from Union County. The largest municipal share outside of Woodbridge itself came from Edison Township, followed by the City of Perth Amboy.

Where Residents are Employed	Number	Percent
Total Primary Jobs, 2006-2010 average	43,253	--
Top-5 Destinations by Municipality		
Woodbridge Township, NJ	6,584	15.2%
Edison Township, NJ	4,180	9.7%
Manhattan Borough, NY	2,226	5.1%
Newark City, NJ	1,495	3.5%
New Brunswick City, NJ	1,073	2.5%
Top-5 Destinations by County		
Middlesex County, NJ	18,407	42.6%
Union County, NJ	6,439	14.9%
Essex County, NJ	2,786	6.4%
New York County, NY	2,226	5.1%
Somerset County, NJ	2,008	4.6%

Where Employees Reside	Number	Percent
Total Primary Jobs, 2006-2010 average	49,296	--
Top-5 Origins by Municipality		
Woodbridge Township, NJ	6,584	13.4%
Edison Township, NJ	2,282	4.6%
Perth Amboy City, NJ	1,441	2.9%
Elizabeth City, NJ	1,343	2.7%
Jersey City, NJ	1,029	2.1%
Top-5 Origins by County		
Middlesex County, NJ	17,452	35.4%
Union County, NJ	5,633	11.4%
Monmouth County, NJ	4,494	9.1%
Essex County, NJ	2,813	5.7%
Somerset County, NJ	2,283	4.6%

Figure 25-1: Woodbridge Inflow/Outflow Primary Job Counts during 2010



Source: US Census Bureau, Longitudinal Employer-Household Dynamics (LEHD)

Journey-to-Work

During the 2006-2010 period, the overwhelming majority of people commuting from Woodbridge (77.8%) drove to work in cars occupied solely by the driver. This was true for both commuters within Middlesex County, as well as commuters that left the county, but remained in-state.

Commuting QuickFacts	Woodbridge	Middlesex County	New Jersey
Mean travel time to work (minutes), workers age 16+, 2006-2010	30.4	31.7	29.8
Drove alone to work, percent of workers, 2006-2010	77.8%	73.1%	71.6%
Public transportation to work, percent of workers, 2006-2010	9.7%	9.8%	10.6%

Source: 2006-2010 American Community Survey

A majority of people commuting out-of-state (63%) used public transit to reach their destination, while 1.7% of all commuters walked to work. An additional 1.5% worked from home, and therefore did not have a significant impact on the morning or evening rush hours.

Means of Commuting	All Places of Work		In-state, In-county		In-state, Out-of-county		Out-of-State	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Drove Alone	37,823	77.8%	20,623	83.0%	15,603	84.4%	1,597	30.4%
Carpooled	3,789	7.8%	1,793	7.2%	1,749	9.5%	247	4.7%
Public Transit	4,721	9.7%	494	2.0%	921	5.0%	3,306	63.0%
Taxi, Motorcycle, Bicycle, or Other	701	1.4%	484	1.9%	129	0.7%	88	1.7%
Walked	811	1.7%	713	2.9%	89	0.5%	9	0.2%
Worked from Home	752	1.5%	752	3.0%	--	--	--	--
Total	48,597	100.0%	24,859	100.0%	18,491	100.0%	5,247	100.0%

Source: 2006-2010 American Community Survey

Transportation Planning Documents

Woodbridge most recently updated their Master Plan in December of 2008, and updated their circulation element in July of 1990. The following potential improvements were included in the Woodbridge Township Master Plan:

Table 25-1 Woodbridge Roadway Recommendations

Jurisdiction	Type	Location	Description	Status
State	Expansion	U.S. 1 between Edison Township and Green Street	Widen to 6 lanes	
State	Expansion	U.S. 1-9 between Production Way and Rahway City Line	Widen to 6 lanes	
State	Study Required	U.S. 9 between Edison Bridge and U.S. 1	High accident volume, needs modification	
State	New Construction	U.S. 9 Edison Bridge	Replace bridge superstructure, 2 lanes and shoulders each direction	
State	Reconfiguration	Garden State Parkway (North of Interchange 129)	Restripe for 5 travel lanes in each direction	
County/Local	Expansion	Randolph Avenue between Blair Road and Hart Street	Widening	
County/Local	New Construction	New Dover Road Bridge (Amtrak NEC)	Rehabilitation and Reconstruction	
County/Local	New Construction	Middlesex Avenue Bridge (South Branch of Rahway River)	Replacement	
County/Local	New Construction	Gill's Lane Bridge (South Branch of Rahway River)	Rehabilitation and Reconstruction	
County/Local	Expansion	Green Street between Middlesex-Essex Turnpike and U.S. 1	Spot widening, lane reconfiguration	
County/Local	New Construction	State Street Bridge (Woodbridge Creek)	New Construction	
County/Local	Reconfiguration	Port Reading Avenue between Carteret and West Avenue	Roadway Improvements	
County/Local	New Construction	Industrial Highway (near Edison Township)	Connect to Raritan Center circulation system	
County/Local	New Construction	North of Port Reading Line terminus, from industrial park to Port Reading Avenue	Connect to Port Reading Avenue (east of Tappan Street) and Cliff Road	
County/Local	Study Required	Area bounded by Port Reading Line, Chemical Coast Line, New Jersey Turnpike	Provide access to parcel, possibly through repurposing NJTP underpass	
Local	New Construction	Randolph Avenue Extension	Extend from Rahway Avenue to U.S. 1-9	
Local	Realignment	Wood Avenue	Close certain local streets	
Local	Realignment	Inman Avenue	Close certain local streets	
Local	Reconfiguration	King Georges Post Road, South of New Brunswick Avenue	Roadway Improvements	
Local	Realignment	Marconi Avenue, between Oak Tree Road and LaGuardia Avenue	Closure	
Local	New Construction	Wood Avenue Extension	Extend to Gill Lane using bridge over GSP	
Local	Reconfiguration	Cliff Road	Roadway Improvements (Southern)	
Local	Reconfiguration	James Street	One-way, Eastbound	
Local	Reconfiguration	New Street	One-way, Westbound	
Local	New Construction	Bunns Lane-Mutton Hollow Road Connecting Overpass	U.S. 9 overpass	

Table 25-2 Woodbridge Intersection Recommendations

Jurisdiction	Type	Location	Description	Status
State	Reconfiguration	U.S. 1-9/Rt. 35 between Green Street and South Inman Avenue	Widen to 6 lanes, reconstruct cloverleaf	
State	Reconfiguration	Garden State Parkway/Rt. 440 (Interchange 127)	Widen and improve ramps	
County/Local	Reconfiguration	Randolph Avenue/Rahway Avenue	Widen and change lane configuration	
County/Local	Reconfiguration	New Dover Road/Chain O'Hills Road	Change lane alignment, add island	
County/Local	Reconfiguration	Blair Road/Port Reading Avenue	Intersection Improvements	
State	New Construction	U.S. 1/Garden State Parkway	Ramp connection Northbound/Southbound GSP to Northbound U.S. 1	
Local	Study Required	Main Street/Ford Avenue	Intersection Improvements	
State	Study Required	U.S. 9/West Pond Road	Intersection Improvements	
State	Reconfiguration	I-287/Garden State Parkway	Alleviate capacity constraints	
Local	Reconfiguration	Port Reading Avenue/Blair Road	Intersection Improvements	
Local	Realignment	Main Street/William Street	Closure of William Street	
Local	Realignment	Main Street/School Street	Closure of School Street	
Local	Traffic Control	Main Street/Pearl Street/Fulton Street	Signalization	
Local	Study Required	Main Street/Mutton Hollow Road	Intersection Improvements	
Local	Realignment	U.S. 9/Peyser Street	Close Peyser Street access from Southbound U.S. 9	
State	Realignment	U.S. 9/Green Street	Convert underpasses to two-way traffic	
Local	Traffic Control	Main Street/Rahway Avenue/Berry Street	Signalization/Intersection Improvements	

Table 25-3 Woodbridge Bicycle/Pedestrian Recommendations

Jurisdiction	Type	Location	Description	Status
	Pedestrian	Wood Avenue	Bikeway Construction (part of road reconstruction)	
	Pedestrian	Merrill Park	Bikeway Construction	
	Pedestrian	Amboy Avenue to Woodbridge Center	Bikeway Construction	
	Pedestrian	William Warren Park	Bikeway Construction	
	Pedestrian	Blair Road (up to Omar Avenue)	Bikeway Construction	
	Pedestrian	Omar Avenue (up to Rahway Avenue)	Bikeway Construction	
	Pedestrian	Woodbridge Center Drive from U.S. 1 to Township Recreation Center	Sidewalk Construction	
	Pedestrian	Amboy Avenue	Sidewalk Improvements	
	Pedestrian	North Jersey Coast Line between Woodbridge Station and Avenel Street	Sidewalk Improvements	
	New Construction	Rt. 27/Wood Avenue	Pedestrian Bridge	

Table 25-4 Woodbridge Parking Recommendations

Jurisdiction	Type	Location	Description	Status
	Study Required	Intermodal Commuter Facility	Park and Ride facility in Hopelawn/Keasbey	

Table 25-5 Woodbridge Railroad Recommendations

Jurisdiction	Type	Location	Description	Status
	New Construction	Port Reading and Chemical Coast Line Connector	Connection between freight lines	
	New Construction	Raritan Center	Construction of new rail spurs	
	Study Required	Lehigh Valley Railroad (Conrail Perth Amboy Secondary)	Combination Roadway/Light Rail or Bikeway	

Table 25-6 Woodbridge Miscellaneous Recommendations

Type	Description	Status
Intersection	Synchronize traffic signals on Main Street	
Intersection	Synchronize traffic signals on Rahway Avenue	

Appendix C

New Jersey Department of Transportation Functional Classification Map and Mileage Summaries of Middlesex County

2010 DRAFT FUNCTIONAL CLASSIFICATION MIDDLESEX COUNTY

August 7, 2013

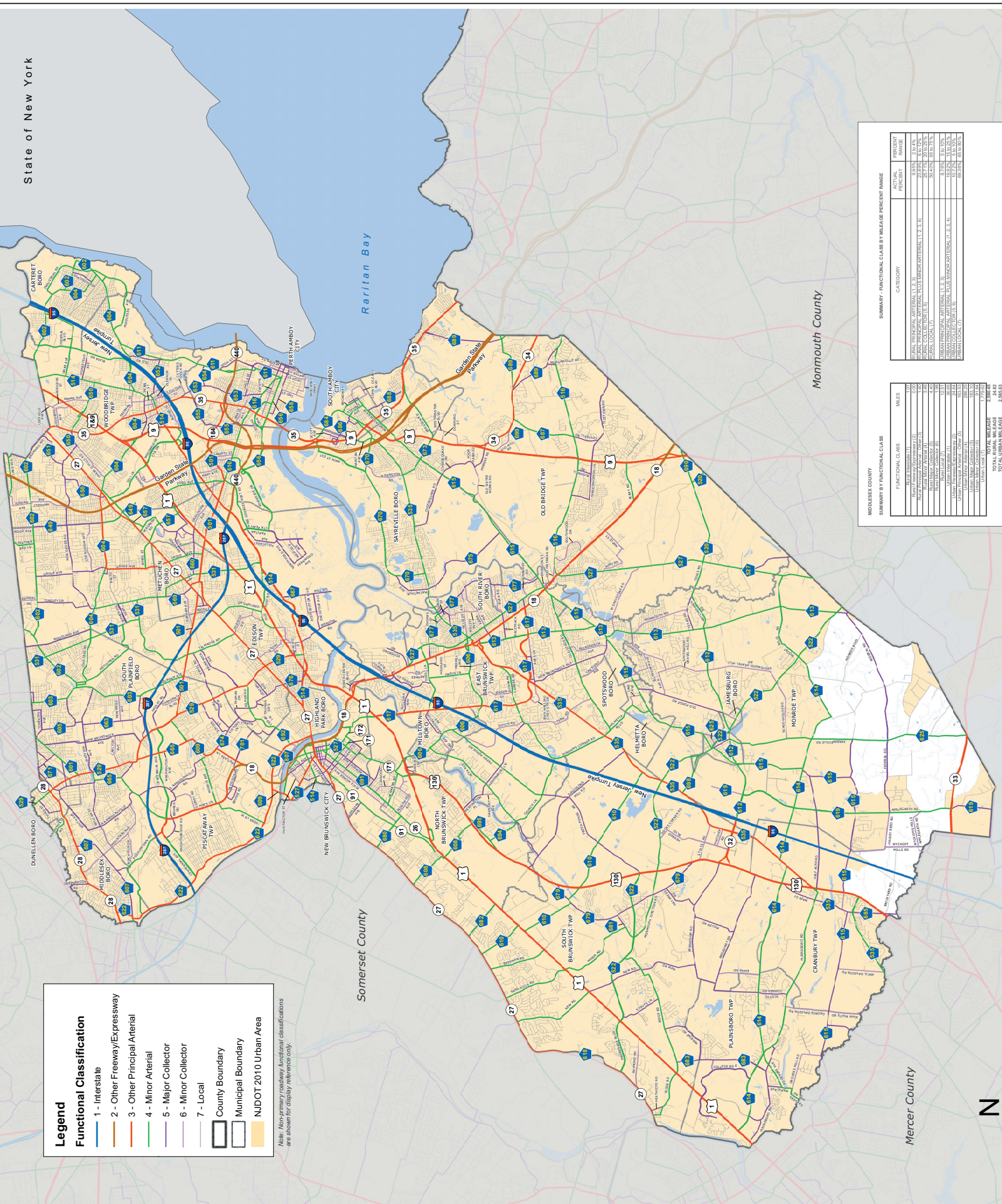
Legend

Functional Classification

- 1 - Interstate
- 2 - Other Freeway/Expressway
- 3 - Other Principal Arterial
- 4 - Minor Arterial
- 5 - Major Collector
- 6 - Minor Collector
- 7 - Local

County Boundary
 Municipal Boundary
 NIDOT 2010 Urban Area

Note: Major Freeway/Expressway and Minor Arterial Classifications are shown for display reference only.



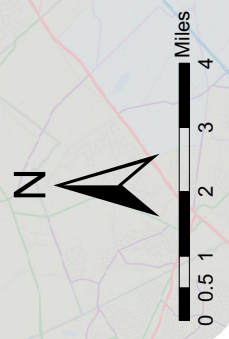
MIDDLESEX COUNTY

SUMMARY BY FUNCTIONAL CLASS

FUNCTIONAL CLASS	MAILES
1 - INTERSTATE	107
2 - OTHER FREEWAY/EXPRESSWAY	100
3 - OTHER PRINCIPAL ARTERIAL	1,000
4 - MINOR ARTERIAL	4,000
5 - MAJOR COLLECTOR	1,000
6 - MINOR COLLECTOR	1,000
7 - LOCAL	1,000
TOTAL	8,107

SUMMARY BY FUNCTIONAL CLASS BY WILDCAT PROJECT NAME

WILDCAT PROJECT NAME	ACTUAL PROJECT MILES	PERCENT TOTAL
1 - INTERSTATE	107	1.32%
2 - OTHER FREEWAY/EXPRESSWAY	100	1.23%
3 - OTHER PRINCIPAL ARTERIAL	1,000	12.33%
4 - MINOR ARTERIAL	4,000	49.21%
5 - MAJOR COLLECTOR	1,000	12.33%
6 - MINOR COLLECTOR	1,000	12.33%
7 - LOCAL	1,000	12.33%
TOTAL	8,107	100.00%



2010 DRAFT FUNCTIONAL CLASSIFICATION MIDDLESEX COUNTY

Mileage Summaries

August 7, 2013

MIDDLESEX COUNTY

SUMMARY BY FUNCTIONAL CLASS

FUNCTIONAL CLASS	MILES
Rural Interstate (1)	1.07
Rural Freeway/Expressway (2)	0.00
Rural Principal Arterial - Other (3)	1.40
Rural Minor Arterial (4)	3.46
Rural Major Collector (5)	4.40
Rural Minor Collector (6)	1.98
Rural Local (7)	12.51
Urban Interstate (1)	36.65
Urban Freeway/Expressway (2)	24.64
Urban Principal Arterial - Other (3)	163.53
Urban Minor Arterial (4)	286.25
Urban Major Collector (5)	183.10
Urban Minor Collector (6)	91.84
Urban Local (7)	1,779.62
TOTAL MILEAGE	2,590.45
TOTAL RURAL MILEAGE	24.82
TOTAL URBAN MILEAGE	2,565.63

SUMMARY - FUNCTIONAL CLASS BY MILEAGE PERCENT RANGE

CATEGORY	ACTUAL PERCENT	PERCENT RANGE
RURAL PRINCIPAL ARTERIAL (1, 2, 3)	9.95%	2 to 4%
RURAL PRINCIPAL ARTERIAL PLUS MINOR ARTERIAL (1, 2, 3, 4)	23.89%	6 to 12%
RURAL COLLECTOR (5, 6)	25.71%	20 to 25%
RURAL LOCAL (7)	50.40%	65 to 75%
URBAN PRINCIPAL ARTERIAL (1, 2, 3)	8.76%	5 to 10%
URBAN PRINCIPAL ARTERIAL PLUS MINOR ARTERIAL (1, 2, 3, 4)	19.92%	15 to 25%
URBAN COLLECTOR (5, 6)	10.72%	5 to 10%
URBAN LOCAL (7)	69.36%	65 to 80%

Appendix D

Middlesex County Transit Guide

(Folded inside map pocket)

