

# Hampton Roads 2040 Rural Long-Range Transportation Plan



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### ABSTRACT

The Hampton Roads Transportation Planning Organization (HRTPO) is responsible for updating both the metropolitan and rural Long-Range Transportation Plan (LRTP) for the region. As part of this process, and in keeping with Federal regulations, the HRTPO must consider multimodal transportation options to effectively address future needs based upon projected population and employment growth.

This document – part of the compendium of reports that comprise the 2040 Hampton Roads Long-Range Transportation Plan – is a financially unconstrained vision plan, serving as a blueprint to address the needs of the transportation system for the rural localities of the City of Franklin and Southampton County. The 2040 RL RTP update provides guidance and information to decision makers on which transportation recommendations to advance and helps position the rural localities for SMART SCALE and other potential funding sources.

### ACKNOWLEDGEMENTS

Prepared in cooperation with the U.S. Department of Transportation (USDOT), Federal Highway Administration (FHWA), and Virginia Department of Transportation (VDOT). The contents of this report reflect the views of the Hampton Roads Planning District Commission (HRPDC). The HRPDC is responsible for the facts and the accuracy of the data presented herein. The contents do not necessarily reflect the official views or policies of the FHWA or VDOT. This report does

### REPORT DATE

September 2017

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not constitute a standard, specification, or regulation. FHWA or VDOT acceptance of this report as evidence of fulfillment of the objectives of this planning study does not constitute endorsement/approval of the need for any recommended improvements nor does it constitute approval of their location and design or a commitment to fund any such improvements. Additional project level environmental impact assessments and/or studies of alternatives may be necessary.

### NON-DISCRIMINATION

The HRTPO assures that no person shall, on the ground of race, color, national origin, handicap, sex, age, or income status as provided by Title VI of the Civil Rights Act of 1964 and subsequent authorities, be excluded from participation in, be denied the benefits of, or be otherwise subject to discrimination under any program or activity. The HRTPO Title VI Plan provides this assurance, information about HRTPO responsibilities, and a Discrimination Complaint Form.



# Acknowledgements

HRTPO staff would like to thank the members of the Rural Transportation Technical Advisory Committee for their contributions during the development of the 2040 Rural Long-Range Transportation Plan. Preparation of the report has been made possible due to their collaboration and guidance.

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# Hampton Roads 2040 Rural Long-Range Transportation Plan

PREPARED BY:



September 2017

**T17-11**

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# Hampton Roads 2040 Rural Long-Range Transportation Plan:

## Introduction and Purpose

### REGIONAL TRANSPORTATION PLANNING

Metropolitan Planning Organizations (MPOs) were established by the federal government for the purposes of providing a regional forum for transportation planning based on a region's shared vision of the future. MPOs:

- Plan the region's transportation system
- Allocate federal transportation funds
- Approve the implementation of transportation recommendations through a comprehensive, cooperative, and continuing transportation process

The MPO for the Hampton Roads region is the Hampton Roads Transportation Planning Organization (HRTPO), established in 1991 as the MPO of the Peninsula and Southside<sup>1</sup>.

As the region's MPO, the HRTPO is required to perform core functions, one of which is to develop, approve, and maintain a fiscally-constrained<sup>2</sup> Long-Range Transportation Plan (LRTP) for the metropolitan planning area<sup>3</sup>. The current LRTP for Hampton Roads is for the horizon year 2040 (adopted July 2016).

In addition to the LRTP, the HRTPO is responsible for preparing a fiscally-unconstrained Rural Long-Range Transportation Plan (RLRTP). The RLRTP is a vision plan for future transportation development in the rural portions of the Hampton Roads region. Like the LRTP, the RLRTP is updated every 5 years to reflect changing conditions such as new planning priorities, population projections, economic change, and anticipated

### Plan Purpose

The RL RTP addresses the anticipated impacts of population and employment growth upon the transportation system in the rural areas of Hampton Roads. The RL RTP was developed as a vision plan, addressing needs of the transportation system studied regardless of anticipated funding priorities.

### Study Approach

- Update socioeconomic, land use, and transportation network data
- Update transportation recommendations from 2035 RL RTP
- Data analysis
- Project recommendations
- Public Involvement

travel demand. The current RL RTP for Hampton Roads is for the horizon year 2035; this update will have a horizon year of 2040.

The rural areas of Hampton Roads (areas outside of the metropolitan planning boundary) include: the City of Franklin and the Counties of Southampton, Surry, and Gloucester. For the purposes of this plan, only the rural study area of Southampton County and the City of Franklin are analyzed and addressed in this report. The transportation needs of Surry County are addressed in the RL RTP for Crater PDC; the transportation needs for the portion of Gloucester County outside of the HRTPO boundary are addressed in the Middle Peninsula RL RTP.

<sup>1</sup> Prior to 1991, there were two separate MPOs, one for the Peninsula (Peninsula MPO) and Southside (Southeastern Virginia MPO).

<sup>2</sup> Fiscal constraint is a demonstration of sufficient funds (federal, State, regional, local, private etc.) to implement proposed transportation system improvements through the comparison of revenues and project costs. (Source: Federal Register 23 CFR 450, Statewide and Metropolitan Transportation Planning.

<sup>3</sup> The Hampton Roads Metropolitan Planning Area includes the cities of Chesapeake, Hampton, Newport News, Norfolk, Poquoson, Portsmouth, Suffolk, Virginia Beach, Williamsburg, and the counties of Gloucester, Isle of Wight, James City County, and York.

## Overview of the Region

Hampton Roads, home to more than 1.7 million residents, is located in southeastern Virginia and encompasses a portion of the Virginia Peninsula and the south side of the James River and Chesapeake Bay. The Hampton Roads region is predominantly an urban and suburban area. The region includes the Cities of Chesapeake, Franklin, Hampton, Newport News, Norfolk, Poquoson, Portsmouth, Suffolk, Virginia Beach, and Williamsburg and the Counties of Gloucester, Isle of Wight, James City, Southampton County, Surry, and York<sup>4</sup>. The geography of the region is relatively flat and influenced by numerous rivers and waterways, including the Chesapeake Bay and Atlantic Ocean.

The Hampton Roads economic base has grown around three primary industries that help support the regional economy. The Department of Defense is heavily invested in Hampton Roads due to the region's harbor and its strategic position on the east coast. The region's deep harbors also support an extensive port industry that moves cargo throughout the region and attracts many industries. Extensive beaches and waterways coupled with numerous historic sites bring millions of tourists annually to Hampton Roads. These three basic-sector industries support much of the region's economy by bringing outside income and investment into Hampton Roads.

The rural localities included in this Plan, Franklin and Southampton, reside in the western portion of the region. Both localities last updated their comprehensive plans in 2015. Each of these plans contains chapter for transportation that were

used in the update of the RL RTP.

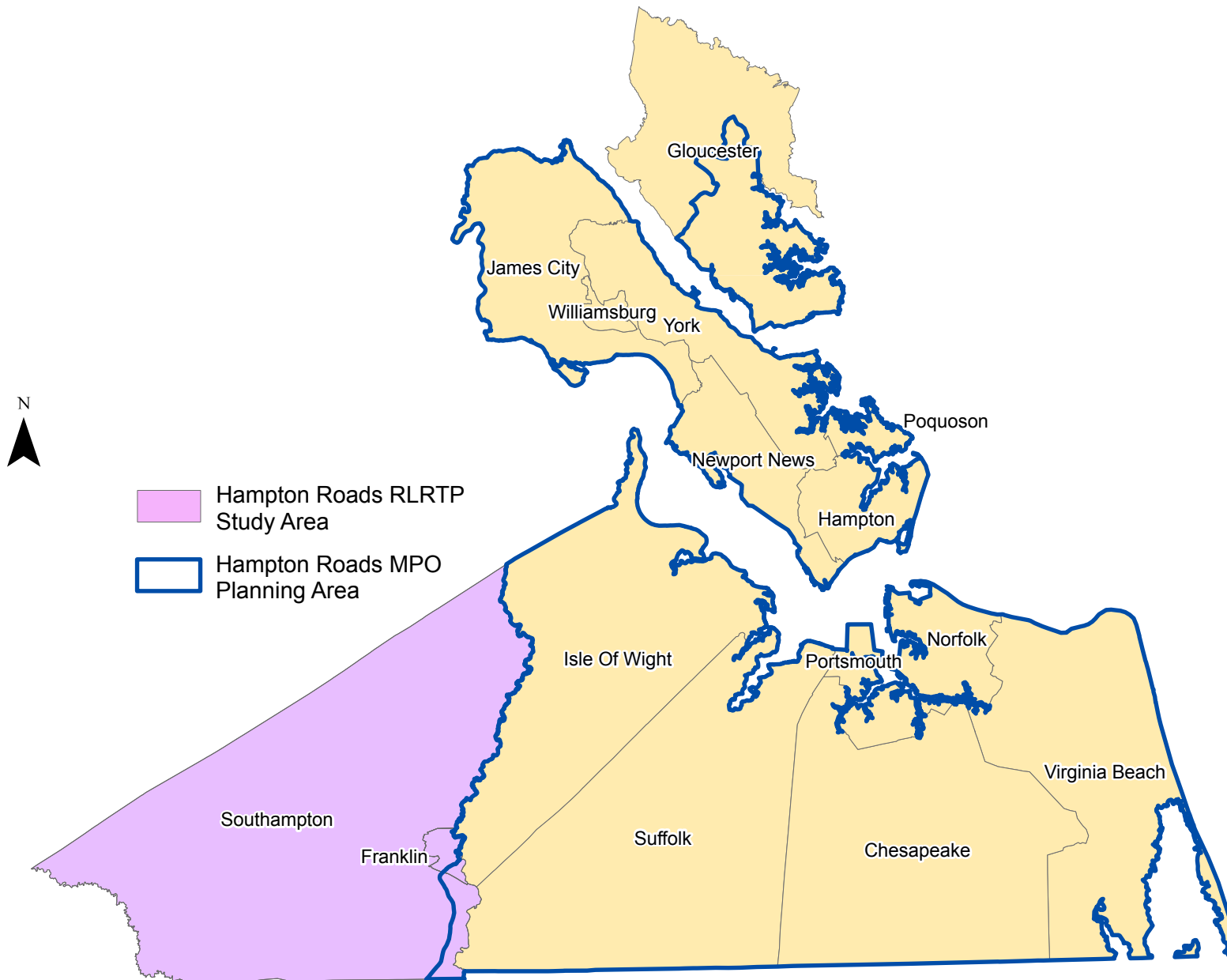
Transportation connectivity within the City of Franklin and Southampton County depends heavily on the highway and local street network. U.S. 58 runs along the southwest border of Franklin and through the middle of Southampton connecting it to I-95, just outside of the border. U.S. 258 links Franklin in a southerly direction with North Carolina and in a northerly direction with Isle of Wight. U.S. 460 also intersects the northern portion of Southampton and is an important thoroughfare. Passenger rail and public air service are not available. Norfolk Southern and CSX lines cross both Southampton County and the City of Franklin carrying freight.

FIGURE 1: CITY OF FRANKLIN AND SOUTHAMPTON COUNTY COMPREHENSIVE PLANS



<sup>4</sup> In a letter dated November 15, 2016, Aubrey L. Layne, Virginia Secretary of Transportation, on behalf of Governor Terry McAuliffe, approved the HRTPO request to include portions of Southampton County and the City of Franklin east of Route 258 to its Metropolitan Planning Area. Voting membership is also expanded to include both localities.

# Map 1: Hampton Roads RL RTP Study Area



## Goals and Objectives

The HRTPO developed the goals below for Southampton County and the City of Franklin. The goals for the RL RTP were developed using the previous RL RTP, VDOT's State Highway Plan, and the current Federal planning factors from FAST Act.

These goals highlight connectivity, safety, efficiency, improved quality of life, and preservation, and will guide the development of the RL RTP update.

Planning Factor	Planning Objective
<b>Goal 1 – Provide a transportation system that facilitates the efficient movement of people and goods</b>	
Mobility	<ul style="list-style-type: none"> <li>- Reduce congestion</li> <li>- Maximize benefits for the greatest number of users</li> </ul>
Connectivity/Accessibility	<ul style="list-style-type: none"> <li>- Enhance access and connections to ports, airports, transit stations, or other modal facilities as well as between neighborhoods/subdivisions</li> </ul>
<b>Goal 2 – Provide a safe and secure transportation system</b>	
Safety	<ul style="list-style-type: none"> <li>- Improve safety for all modes of travel</li> </ul>
Security	<ul style="list-style-type: none"> <li>- Address deficiencies on roadways that facilitate the movement of the military and citizens during emergency situations</li> </ul>
<b>Goal 3 - Improve Virginia's economic vitality and provide access to economic opportunities for all Virginians</b>	
Economic Development	<ul style="list-style-type: none"> <li>- Enhance the movement of goods throughout the Commonwealth</li> </ul>
<b>Goal 4 – Improve the quality of life and minimize potential impacts to the environment</b>	
Community Character and Environmental Quality	<ul style="list-style-type: none"> <li>- Minimize community impacts, promote energy conservation and consistency between transportation improvements and State and Local planned development patterns</li> </ul>
<b>Goal 5 – Preserve the existing transportation system and promote efficient system management</b>	
System Management	<ul style="list-style-type: none"> <li>- Reduce reliance on Single-Occupant-Vehicles</li> <li>- Encourage access management</li> </ul>
System Preservation	<ul style="list-style-type: none"> <li>- Minimize long-term maintenance costs</li> </ul>
Cost Effectiveness	<ul style="list-style-type: none"> <li>- Maximize use of limited highway funding</li> </ul>
<b>Goal 6 – Encourage land use and transportation coordination while engaging the private sector</b>	

FIGURE 2: RL RTP GOALS, PLANNING FACTORS, AND PLANNING OBJECTIVES



## Demographic and Land Use Trends

Rural areas throughout the Commonwealth, including Southampton County and the City of Franklin, are working either to balance growth or to seek new economic growth and diversification, while striving to preserve the rural character of the landscape. Most of the land in Southampton County is agricultural or forested, with more intensive land use in the towns and village centers, typically at the intersection of two roadways. Approximately half of the land use in the City of Franklin is classified as agricultural, open space, and forested. The other half of the city is comprised mostly of residential land uses with a commercial and industrial strip along Armory Drive and the historic downtown central business district.

Many rural localities across Virginia are trying to direct new growth towards existing towns, village centers, or service districts in order to provide services and to continue to address the needs of residents as well as maintain a general agricultural setting. As the population fluctuates, due to migration in or out of the region or the shifting of population within the region, the needs of the communities - including education, health care, social services, employment, and transportation - shift and fluctuate as well. Southampton County is forecasted to increase in population by 37% and employment by 95% by 2040. The City of Franklin is anticipating 24% population growth and 37% employment growth by 2040.

**TABLE 1: EMPLOYMENT TRENDS AND FORECASTS**

	1970	1980	1990	2000	2010	2040
Franklin	3,397	4,091	4,685	5,560	6,182	8,500
Southampton County	6,124	5,927	5,461	6,026	5,454	10,700
Total	9,521	10,018	10,146	11,586	11,636	19,200

Source: Bureau of Economic Analysis Historic Data, and HRTPO

Land use decisions affect the transportation system and can increase options for residents, including access to jobs, goods, services, and other resources which can help to improve the quality of life.

Transportation decisions also have potential to impact future land use development. The coordination of land use and transportation planning is a part of the smart growth movement. Land use and development changes that particularly affect transportation in rural areas include, but are not limited to, school consolidation, loss or gain of a major employer, movement of younger sectors of the population to more urban areas, retirement community development, and growth of bedroom-community type developments for nearby urban areas.

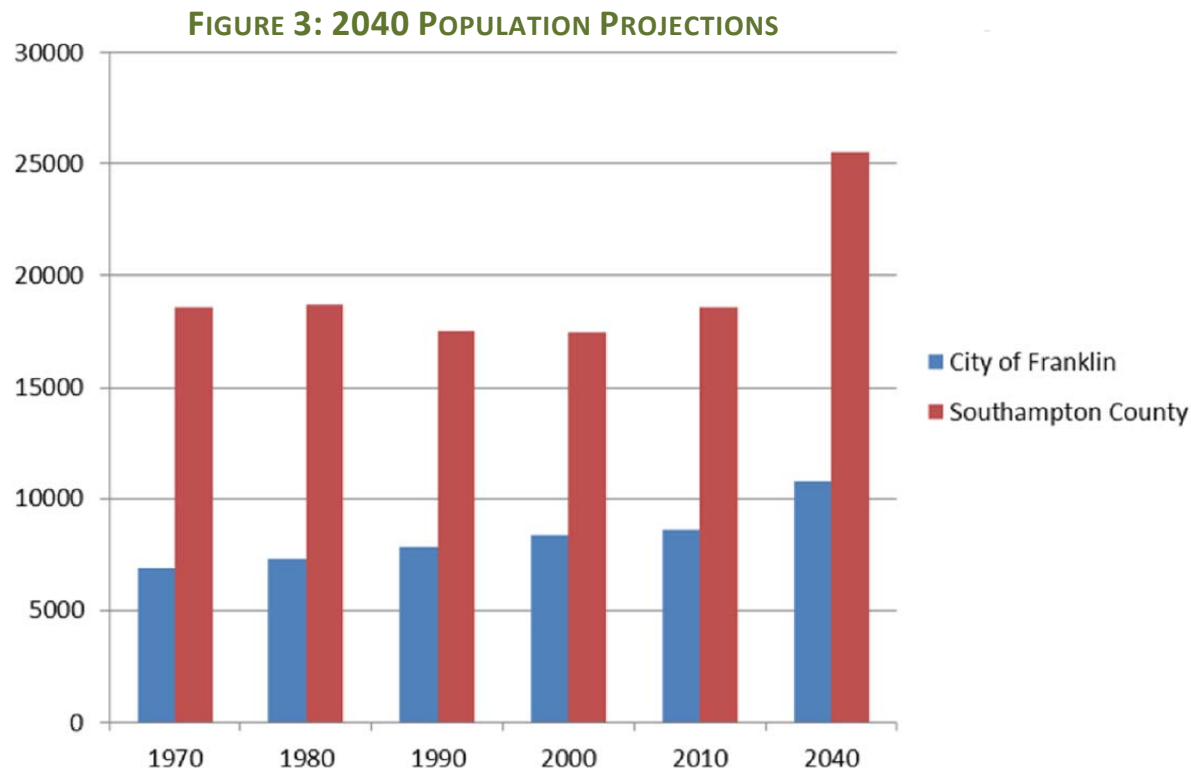
The comprehensive plan for Southampton County details mechanisms to forecast growth. The county has 3 designated planning areas (Ivor, Courtland, and Boykins-Branchville-Newsoms) that are expected to serve as predominant activity centers. Businesses, infrastructure development, and public facilities are planned for these areas.



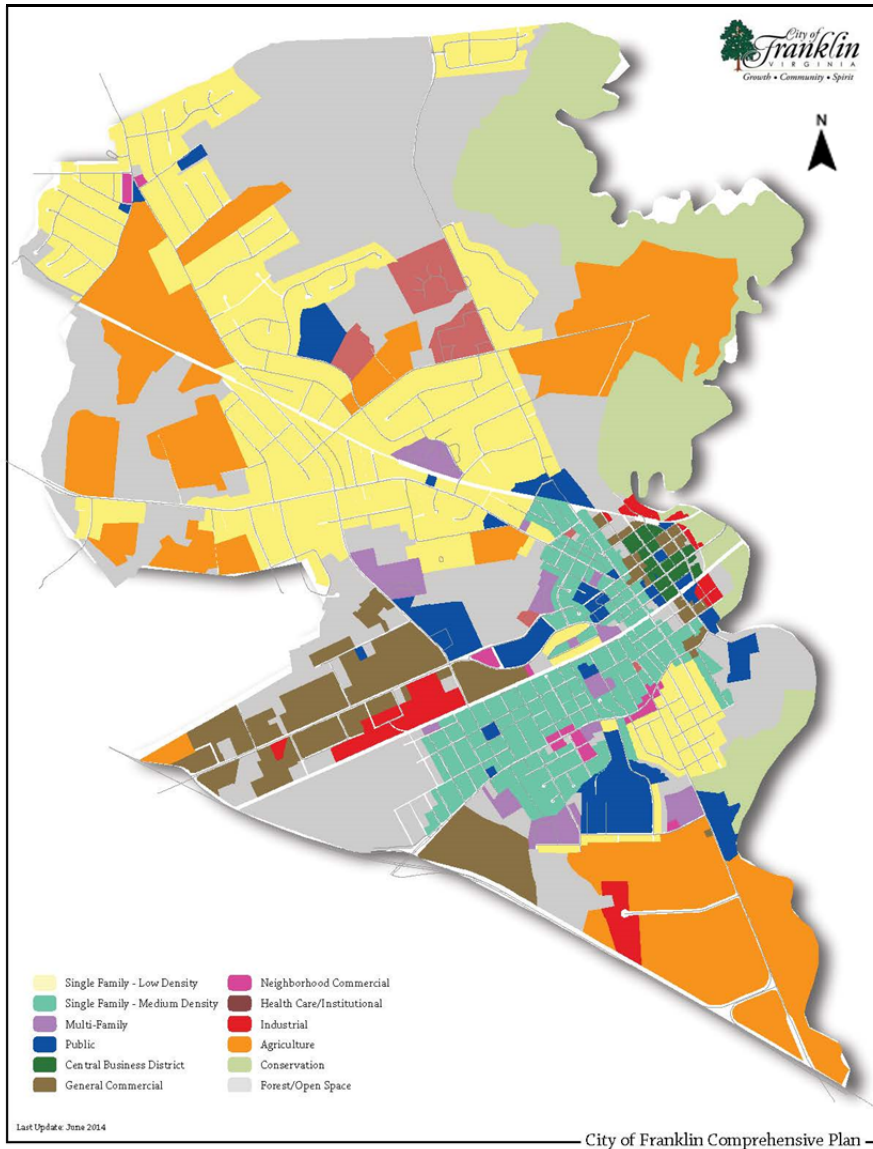
The comprehensive plan for the City of Franklin lists key features and recommendations for future land use:

- Continued commercial and industrial development and revitalization in the Armory Drive corridor
- Commercial and Industrial development around the Route 58 interchanges and in the Southampton County Revenue sharing areas in the County
- Residential development in the northern section of the City
- Support mixed use development in the downtown area, in the neighborhood business districts, and along the north side of Clay Street
- Pursue employment center and institutional / office uses in the northern section of Pretlow Park

Current and future land use maps are found on the following pages. These maps are from their respective comprehensive plans.

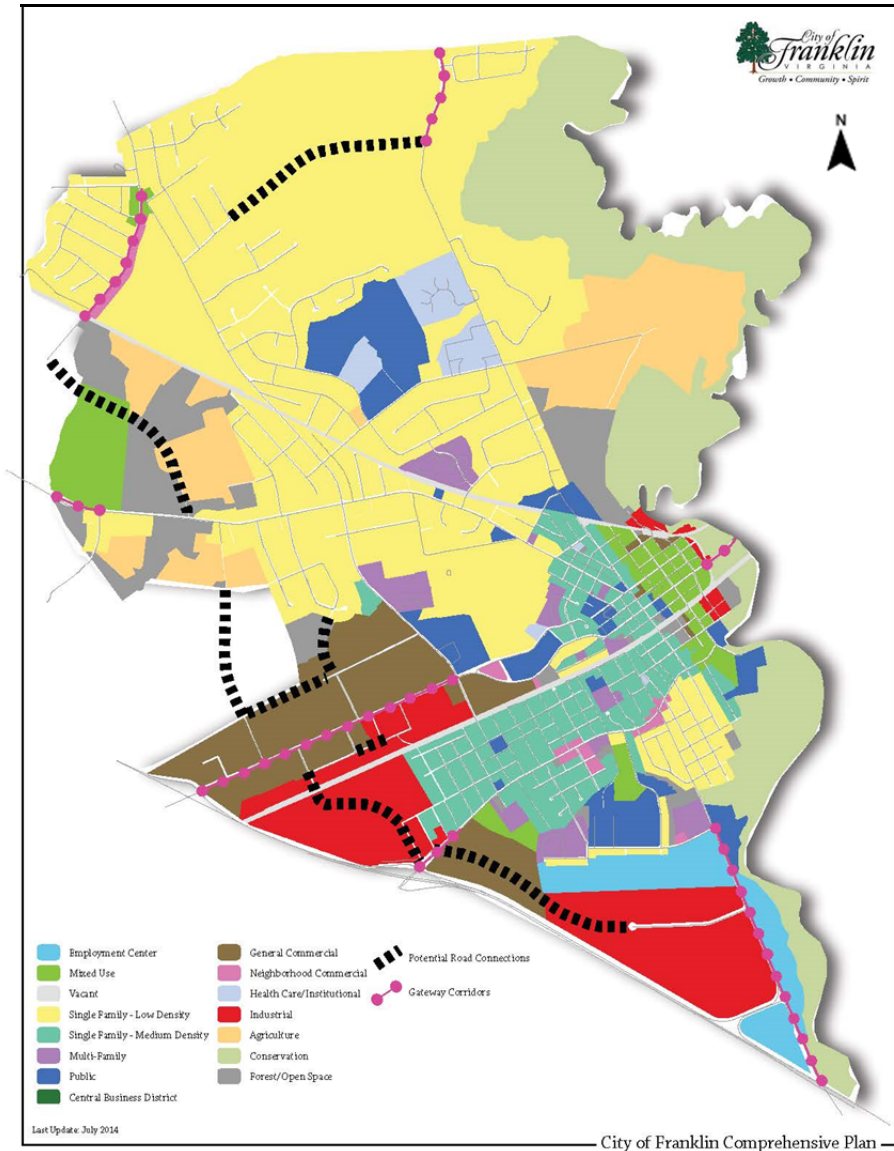


Source: U.S. Bureau of Census, Census 1970-2010



**MAP 2: CITY OF FRANKLIN – EXISTING LAND USE MAP**

Source: City of Franklin Comprehensive Plan



**MAP 3: CITY OF FRANKLIN – FUTURE LAND USE MAP**

Source: City of Franklin Comprehensive Plan



#### Current Land Use

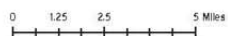
- Residential
- Commercial
- Institutional
- Industrial
- Agriculture/Open Space/Rural Residential
- Conservation/Wetlands
- Town Boundaries

#### Transportation

- Major Highways
- Primary Roads
- Secondary Roads
- Railroads



\* Town land use is managed by the town government. It is shown here for reference.



April 2014

## MAP 4: SOUTHAMPTON COUNTY – EXISTING LAND USE MAP

Source: Southampton County Comprehensive Plan



## Future Land Use

### County Categories

- Low Density Residential
- Medium Density Residential
- Manufactured Homes Park
- Mixed Use
- Employment Center
- Commercial
- Institutional
- Industrial
- Agriculture/Forest/Open Space/Rural Residential

### Town Categories \*

- Town Residential
- Town Commercial
- Town Institutional
- Town Industrial
- Town Open Space
- Conservation/Wetlands

\* Town land use is managed by the town government. It is shown here for reference.

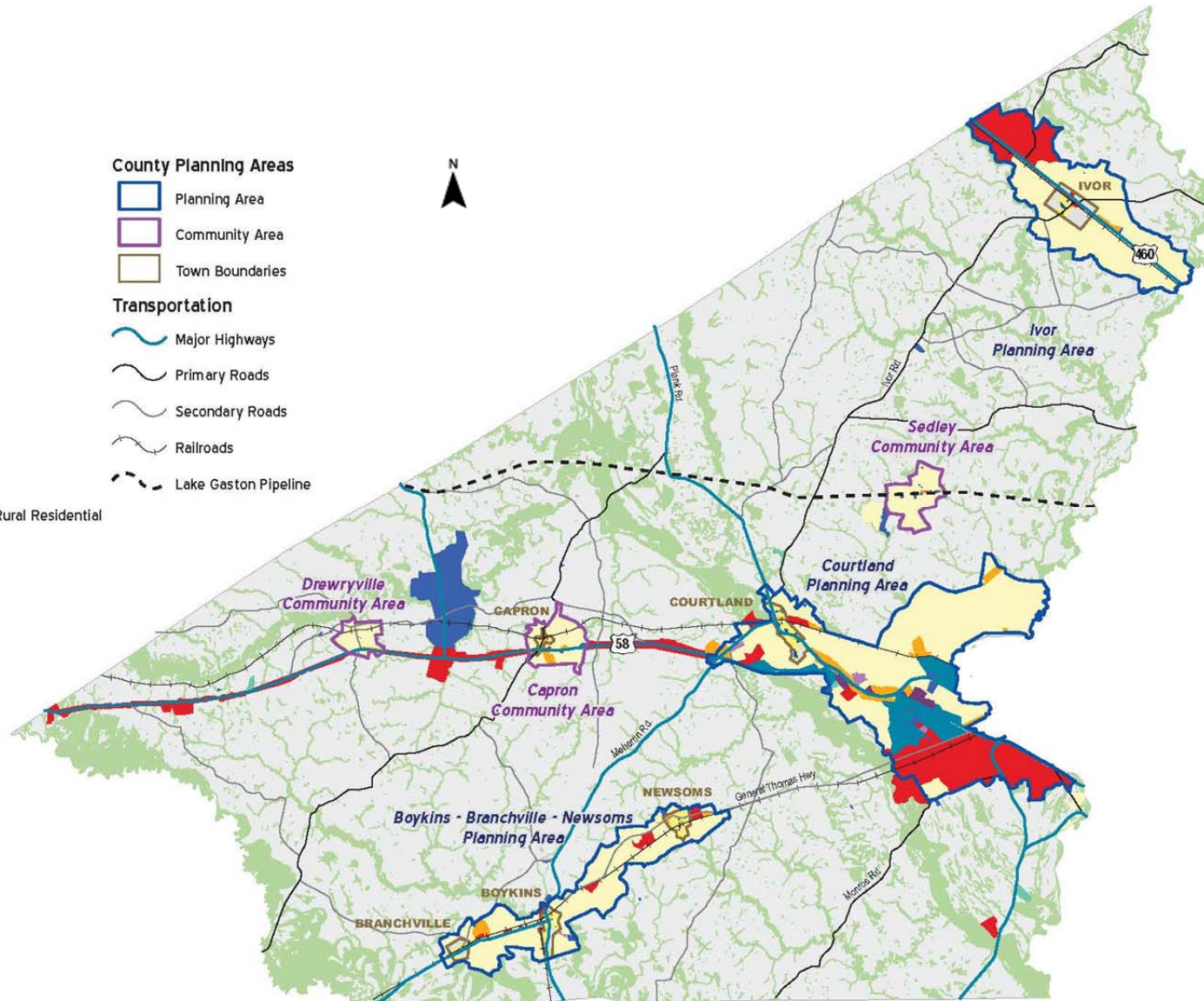
0 1.25 2.5 5 Miles

## County Planning Areas

- Planning Area
- Community Area
- Town Boundaries

## Transportation

- Major Highways
- Primary Roads
- Secondary Roads
- Railroads
- Lake Gaston Pipeline



June 2015

## MAP 5: SOUTHAMPTON COUNTY – FUTURE LAND USE MAP

Source: Southampton County Comprehensive Plan

## Title VI and Environmental Justice Assessment

The Hampton Roads Transportation Planning Organization fully complies with Title VI of the Civil Rights Act of 1964 and related statutes and regulations in all programs and activities. Title VI of the Civil Rights Act of 1964 states that “No person in the United States shall, on the grounds of race, color or national origin, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving Federal financial assistance.” Title VI bans intentional discrimination as well as disparate impact discrimination (i.e. a neutral policy or practice that has an unequal impact on protected groups).

Executive Order 12898 on Environmental Justice, issued in February 1994, provides direction to all programs or activities receiving federal financial assistance to incorporate environmental justice concerns into their existing programs.

Environmental Justice (EJ) is the fair treatment and meaningful involvement of all people regardless of race, color, national origin, or income with respect to the development, implementation, and enforcement of environmental laws, regulations, and policies. All populations, including minority and low-income are provided the opportunity to comment before decisions are made on government programs and activities that may impact their social or physical environment. These groups are provided the opportunity to share in the benefits of, not be excluded from, and not be affected in a disproportionately high and adverse manner, by government programs and activities.

In accordance with Title VI and the EJ mandate, the HRTPO developed a demographic profile of Southampton County and the City of Franklin as part of the development of this plan. This profile was used to assess the social and economic characteristics of the area in order to address the potential for disproportionately high and adverse effects on any disadvantaged population group. In addition, gaps and deficiencies in the transportation network that could affect these groups were also studied. Disadvantaged groups, as defined by the U.S. Census, include:

- Minority
- Low-income
- Limited English proficiency
- Female head of household
- Households receiving food stamps
- Households receiving cash public assistance
- Carless households
- Elderly
- Disabled



COMMUNITY FUN DAY – SOUTHAMPTON COUNTY, VA

## Title VI and EJ Demographic Trends

EJ data was collected from the 2011-2015 ACS Data from the US Census. Out of all the EJ populations in Franklin and Southampton, six out of the nine are higher than the regional average. The three that are not are the Minority population in Southampton, the Female Head of Households in both localities, and the Carless in Southampton.

The methodology used in the development of the 2040 LRTP was also used in the development of the RL RTP. In this methodology, census tracts whose EJ populations were higher than the regional average were considered to be highly impacted. Census tracts were identified as the smallest available geographic unit of analysis for which data was available. From there, a 1-mile buffer was set for each transportation recommendations in Southampton County and the City of Franklin. Using the transportation recommendations and the highly impacted EJ communities, analysis was made on several levels, including:

- Maps of the EJ communities
- Number of highly affected EJ communities by transportation recommendation
- Number of each community affected by transportation recommendations
- Total number of different EJ communities affected by transportation recommendations

For further analysis, impacts to Title VI populations or EJ communities can be found in Appendix A. The analysis includes maps of the 9 EJ communities, highly affected EJ communities by transportation recommendation, total communities affected by transportation recommendations, and EJ impact scores by transportation recommendations.

**TABLE 2: EJ COMMUNITIES (PERCENTAGES)**

EJ Population	Franklin	Southampton	Regional Average
Minority	61.1%	39.1%	43.7%
Limited English Proficiency	2.8%	4.2%	1.14%
Low-Income	21.2%	16.0%	11.9%
Female Head of Household	15.5%	5.8%	15.7%
Households Receiving Food Stamps	29.6%	17.2%	10.1%
Households Receiving Cash Public Assistance	12.1%	4.1%	2.6%
Carless	8.0%	5.4%	6.4%
Elderly	25.6%	24.3%	21.9%
Disabled	11.4%	15.9%	8.6%

Source: US Census, ACS 2011-2015 (5-Year Estimate)



## Rural Transportation System

Each mode of travel – roadways, public transportation, rail, bicycle and pedestrian facilities, and airports – has been independently analyzed for both current and forecasted conditions.

### Roadways

There are no interstates that run through the RL RTP Study Area. Due to the relatively flat topography and rural nature of the area, the towns are focal points for the local and regional roadway network. Primary corridors include US 58, US 258, US 460, VA 35, and VA 186.

### Public Transportation

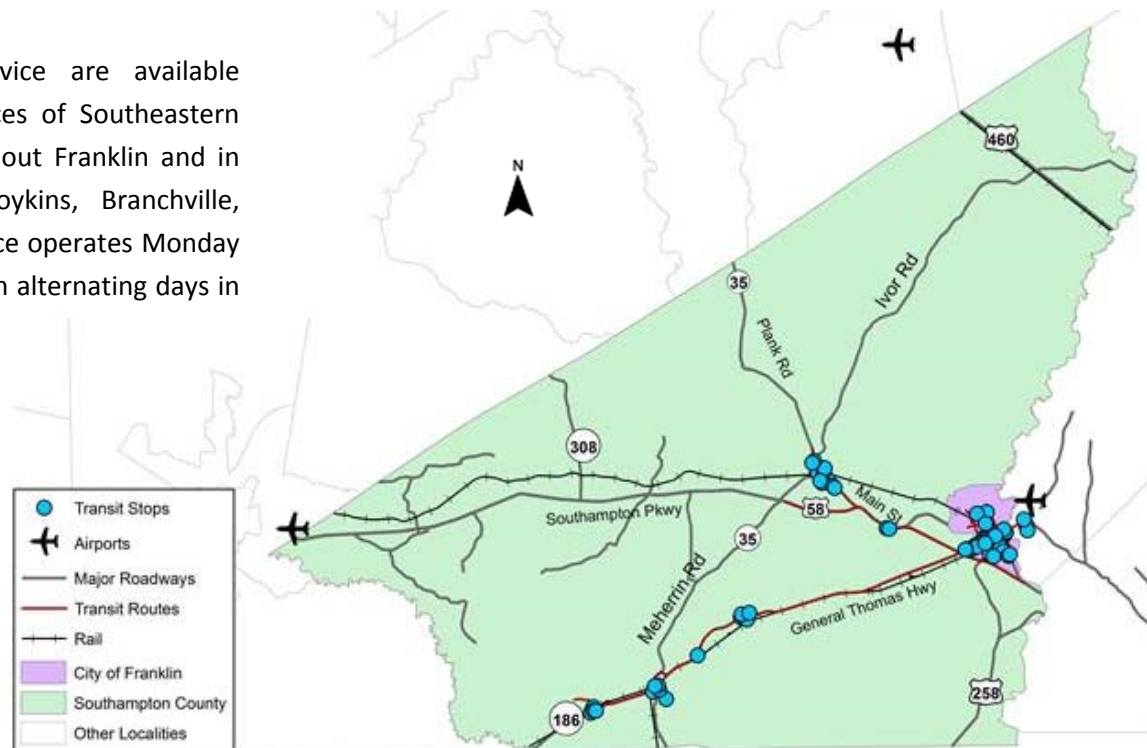
Fixed-route and demand-responsive service are available through [I-RIDE](#), operated by Senior Services of Southeastern Virginia (SSSEVA). There are stops throughout Franklin and in five towns in Southampton County: Boykins, Branchville, Courtland, Newsoms, and Sedley. The service operates Monday through Friday in the City of Franklin and on alternating days in the towns of Southampton County.

Organizations that do not serve the general public but do serve the transportation needs of specific disadvantaged groups include the Endependence Center and the Western Tidewater Community Services Board. The SSSEVA also provides demand-responsive service in the City of Franklin and Southampton County for those over the age of 60 and adults with disabilities

### Active Transportation Facilities

Active transportation is all forms of human-powered transportation. The most common forms are walking and biking.

As mentioned in the City of Franklin's 2015 Comprehensive Plan, the 2009 Bicycle and Pedestrian Master Plan is the current active transportation plan for the City. All projects listed in the 2009 Bicycle and Pedestrian Master Plan are considered transportation recommendations in the 2040 RL RTP. Southampton County is in the process of working with the HRTPO to develop an active transportation plan. Similarly, when the County's active transportation plan is complete and adopted, all projects from that plan will also be considered transportation recommendations in the 2040 RL RTP.



**MAP 6: CITY OF FRANKLIN AND SOUTHAMPTON COUNTY TRANSPORTATION SYSTEMS**



## Airports

There are no commercial airports in the study area. Norfolk International Airport is just over 50 miles east of the city and county. There are three general aviation airports that serve this area; Wakefield Municipal Airport is located along US 460 west of Southampton County. Franklin Municipal Airport is located just outside of the city limits, in Isle of Wight County. Emporia-Greenville Airport is located along US 58 in Greenville County.

## Rail

There is no passenger rail in Southampton County nor the City of Franklin. CSX and Norfolk Southern have rail lines that move goods through the localities.

## Goods Movement

The majority of goods movement within the region is by truck, which mainly utilize U.S. 58, U.S. 258, U.S. 460, and VA 671. Freight generators and shippers in the City of Franklin are heavily clustered along Armory Drive in the western part of the City. Freight generators in Southampton County are more scattered, with some concentrations along U.S. 58 Business in Courtland, in Capron, and along VA 671 between Franklin and Boykins.

Freight rail in the region runs along both Norfolk Southern and CSX rail lines. The Norfolk Southern line along U.S. 460 in Southampton County carries some of the highest tonnage in the state. The CSX line through the County is an extension of the company's National Gateway Corridor that generally parallels I-95. This extension connects the corridor to the Port of Hampton Roads.

## Systems and Travel Demand Management

Systems and Travel Demand Management transportation recommendations are inherently designed to improve operations without major infrastructure improvements. Systems management includes improvements like access management and intersection design. Travel Demand Management (TDM) programs are implemented to encourage ridesharing, walking/biking, and parking management practices. These programs help to manage the overall transportation demand for a given destination and can reduce the need to build additional infrastructure.

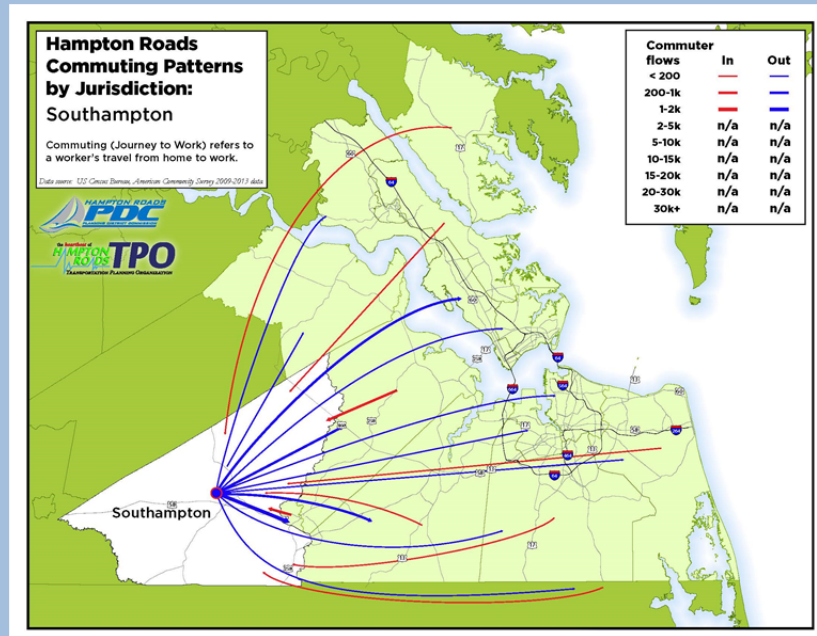
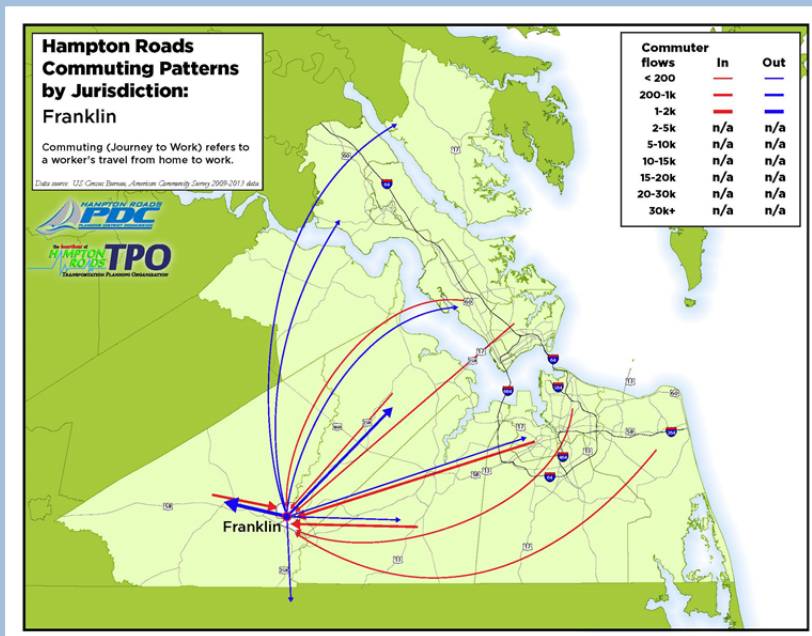


**Figure 4: Rural Commuting Patterns**

The Hampton Roads Planning District Commission (HRPDC) and HRTPO created journey-to-work maps for the region that illustrate where residents in Hampton Roads live and work. The data used in these maps are from the US Census Bureau's 2009-2013 American Community Survey. For more of this data, please visit:

<http://www.hrtpo.org/page/hampton-roads-journey-to-work-maps/>

The data shows that more than 60% of both Franklin's and Southampton's workforce commutes outside of their locality. These maps help paint a picture of which transportation corridors are being used the most. This information is valuable when considering which transportation recommendations to focus on moving forward.



**Commuting Patterns from the City of Franklin and Southampton County**

	Chesapeake	Franklin	Hampton	Isle of Wight	James City County	Newport News	Norfolk	Portsmouth	Southampton County	Suffolk	Surry County	Virginia Beach	York County	NE North Carolina <sup>1</sup>	Other	Total Commuters	Total Out-Commuters
Franklin	210	1219	5	370	0	50	80	246	331	438	0	16	0	0	141	3106	1887
Southampton	136	1846	74	688	16	324	182	184	2705	535	44	100	11	39	1236	8120	5415
Total	346	3065	79	1058	16	374	262	430	3036	973	44	116	11	39	1377	11226	7302

Source: US Census, 2009-2013 ACS 5-Year Estimates

Notes: 1 - NE North Carolina includes the Counties of Camden, Chowan, Currituck, Dare, Gates, Hertford, Pasquotank, and Perquimans.

Gloucester County, Poquoson, and Williamsburg are not found on the table and do not have any commuters leaving from or going to Southampton or Franklin.

## Methodology for Updating RL RTP

Updating the RL RTP to the horizon year of 2040 occurred over multiple years, with critical input from the Rural Transportation Technical Advisory Committee (RTTAC). To update the plan, current and forecasted socioeconomic data was developed. Candidate projects were identified, and transportation data was collected and analyzed. Traffic forecasts were also produced to help identify network deficiencies. This data was then input into a rural version of the HRTPO Project Prioritization Tool in order to score the candidate projects (Tool was modified to better evaluate rural transportation needs and priorities).

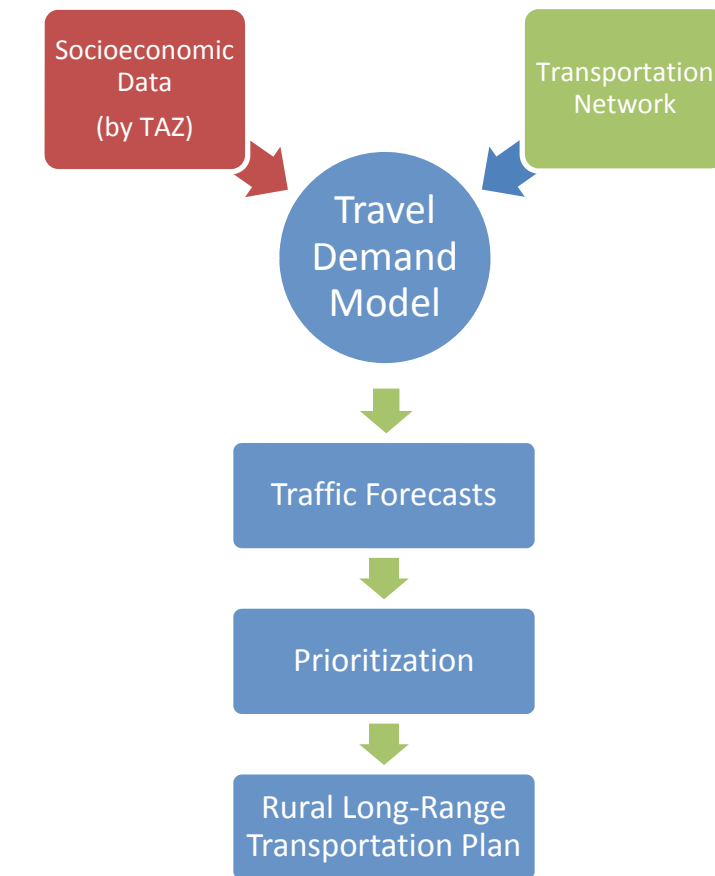
### Socioeconomic Data

HRTPO staff examined how the rural localities of Hampton Roads may develop over the next 20 years based on projected population and employment growth data. This data is used to develop a long-range socioeconomic forecast that is used in the transportation planning process. Once socioeconomic forecast control totals are produced and approved by the HRTPO Board, this data is then allocated to Transportation Analysis Zones (TAZs).

Socioeconomic data tables can be found in Appendix B.

### Transportation Analysis Zones

As stated previously, socioeconomic data is allocated into TAZs. TAZs are geographical units that are used in travel demand modeling to forecast traffic volumes and patterns. They summarize population, household, and employment data which



**FIGURE 4: OVERVIEW OF RL RTP PLANNING PROCESS**

can be used to identify where road improvements are needed. For the RL RTP, the approval of TAZ allocations occurred on October 28, 2016 during a RTTAC meeting. Maps of the TAZs can be found in the Appendix C.

Note: Socioeconomic data for Southampton County was provided by VDOT from their Tidewater Super Regional Travel Demand Model.

## Traffic Forecasts

An important analysis tool in transportation planning is the travel demand model (TDM). The TDM is a computer program designed to simulate travel. The model uses socioeconomic data to estimate traffic volumes and patterns in an effort to identify current and future deficiencies in the transportation network.

Socioeconomic data inputs for the TDM include:

- Population
- Households
- Workers
- Vehicles
- Employment

Results from the travel demand model are used in the HRTPO Project Prioritization Tool to help identify where transportation improvements are needed within the region.

## Identification of RL RTP Transportation Recommendations

The identification of transportation recommendations for the 2040 RL RTP started with reviewing the list from the previous RL RTP. This list was sent to the RTTAC to review and update with the addition/removal of transportation recommendations.





## Project Prioritization

In 2009, the HRTPO, in partnership with VDOT and its on-call consultant Kimley-Horn, developed an objective, data-driven methodology for evaluating candidate transportation projects based on the project's technical merits and regional benefits (including improving travel times, increasing system reliability, enhancing safety, providing new connections or capacity, improving regional competitiveness, etc.). This Project Prioritization Tool has been utilized in selecting transportation projects for the current 2040 LRTP, as well as the previous 2034 LRTP. For the 2040 RL RTP, some of the measures in the Tool were modified in order to better evaluate the rural character of the study area.

For the 2040 RL RTP, 111 candidate projects were evaluated. These projects range in scope from capacity improvements on US 58 to new bike paths and multi-use trails. For prioritization purposes, projects are evaluated in separate categories: Highway, Interchange/Intersection, Bridge/Tunnel, Transit, Intermodal, Active Transportation, and Systems Management. Projects are separated into categories in order to align with potential funding sources (which are often tied to transportation mode or facility type). Because of some funding



restrictions, as well as the differences in evaluation criteria, project scores are not compared across categories.

This prioritization evaluation process requires substantial data and stakeholder input, resulting in a prioritized list of transportation recommendations. This list provides the HRTPO, its stakeholders, and decision-makers invaluable data to make transportation related decisions.

### HRTPO PRIORITIZATION TOOL

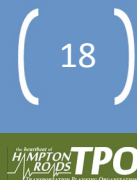
The tool evaluates transportation projects based on three components: Project Utility (the ability to solve an existing transportation issue), Economic Vitality (the ability to support economic growth), and Project Viability (the readiness of a project to be constructed based on available funding and completion of required documentation). Each component is worth 100 points, combining for a maximum score of 300 points. Note that Active Transportation and Systems Management projects are not evaluated for Economic Vitality and therefore have a maximum score of 200 points.

## Transportation Recommendations

The list of transportation recommendations for the 2040 RL RTP are separated by locality, and are grouped by short-, mid-, and long-term project timelines. Some locations have multiple recommendations with different completion planning horizons. These recommendations are identified with the same project ID number and are input as a single candidate project in the HRTPO Project Prioritization Tool.



# Hampton Roads 2040 Rural Long-Range Transportation Plan



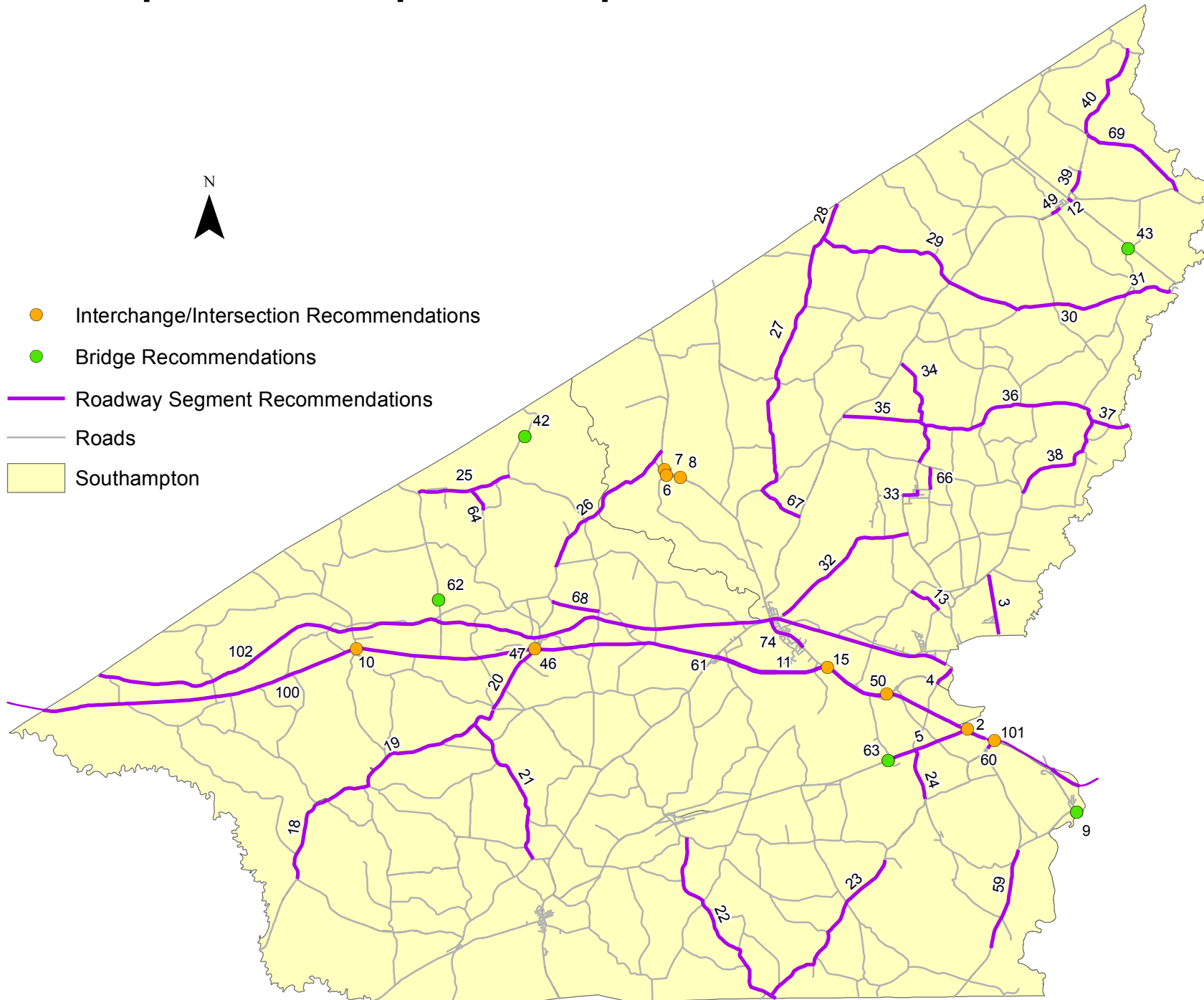
**Table 3: 2040 RL RTP Transportation Recommendations List - City of Franklin**

Highway Recommendations							
Project ID	Map ID	Project Name	From	To	Description	Term	Project Prioritization Score
FR38	38	Hunterdale Rd	Clay St	Northern City Limits of Franklin	Widen roadway to urban four-lane standards and add 8-foot hike and bike trail.	Mid	171
FR6	6	Armory Dr	College Dr	High St	Reconstruct roadway to urban four-lane standards with left turn lane as needed.	Mid	139
FR32	32	South St	Amber Dr	High St	Widen roadway to urban four-lane standards. Construct bike lane and monitor for pedestrian elements.	Mid	136
FR43	43	Council Dr	Clay St	Armory Dr	Construct rural two-lane roadway.	Mid	133
FR42	42	Andrew Ave Extension	Chaucer Ct	High St	Construct rural two-lane roadway. Construct bike lane or multi-use trail.	Mid	131
FR34	34	College Dr	South St	Armory Dr	Widen roadway to urban four-lane standards.	Long	126
FR12	12	High St	Fairview Dr	Northern City Limits of Franklin	Widen roadway to urban three-lane cross section.	Mid	122
FR37	37	High St	Beaman St	Fairview Dr	Widen to three-lane roadway with curb and gutter, sidewalk, and 8-foot hike and bike trail.	Mid	115
FR33	33	2nd Ave	High St	Mechanic St	Widen roadway to urban four-lane standards.	Mid	111
FR13	13	VA 687	Franklin Corporate Limits	Hunterdale Rd	Widen roadway to urban three-lane cross section.	Mid	106
FR44	44	Washington St Extension	Railroad Crossing	Armory Dr	Construct rural two-lane roadway.	Mid	93
FR67	67	Progress Parkway Extension	South St	Commerce Park Rd	Construct 2-lane urban service road adjacent to Highway 58.	Long	29
FR63	63	Progress Parkway Extension	Pretlow St	South St	Construct 3-lane collector with a multi-use path.	Long	28
FR64	64	Stewart Drive Extension	Bailey Dr	Council Dr	Construct 3-lane collector with a multi-use path.	Long	28
FR65	65	Bailey Drive Extension	Stewart Dr	Kings Ln	Construct 2-lane urban service road.	Long	28
FR66	66	Sachs Avenue Extension	Sachs Ave	Commerce Park Rd	Construct 2-lane urban service road.	Long	28
SH/FR100	100	US 58 (Study)	Eastern End of Suffolk Bypass	I-95	Corridor study to examine existing conditions and forecast conditions for 2040	Long	N/A
Intersection/Interchange Recommendations							
Project ID	Map ID	Project Name	From	To	Description	Term	Project Prioritization Score
SH/FR101	101	US 58/US 258 Interchange	N/A	N/A	Construct new interchange to replace existing interchange	N/A	184
Active Transportation Recommendations							
Project ID	Map ID	Project Name	From	To	Description	Term	Project Prioritization Score
FR41	41	Pretlow St	0.17 Mi N Morton St	Laurel St	Provide sidewalk.	Mid	65.34
FR12	12	High St	Fairview Dr	Northern City Limits of Franklin	Provide for a 8-foot hike and bike trail adjacent to roadway.	Long	53.75
SH/FR102	102	Rail-to-Trail	Hunterdale Rd	Southampton CL	Convert abandoned rail line to multi-use trail	Long	N/A
FR54b	54	Blackwater River Greenway Trail System	N/A	N/A	Infill improvements to segments of trail system and extension of riverfront segment extending north from the downtown core.	All	N/A
FR55	N/A	Shared-Use Paths along Hunterdale Rd	N/A	N/A	Construct shared-use paths	Mid	N/A
FR55	N/A	Shared-Use Paths along N High St	N/A	N/A	Construct shared-use paths	Mid	N/A
FR55	N/A	Shared-Use Paths along Fairview Dr	N/A	N/A	Construct shared-use paths	Mid	N/A
FR55	N/A	Shared-Use Paths along Norton St	N/A	N/A	Construct shared-use paths	Mid	N/A
FR56	56	Bicycle Access to US 58 Bypass	N/A	N/A	Provide outer bicycle bypass along the southwest boundary of the City.	Mid	N/A
FR68	68	Fairview Area Multi-Use Path	N/A	N/A	Provide a bicycle path	Mid	N/A
Systems Management Recommendations							
Project ID	Map ID	Project Name	From	To	Description	Term	Project Prioritization Score
FR21	21	2nd Ave at Main St	N/A	N/A	Install signs for left turn restriction during peak hours.	Short	53
FR25	25	2nd Ave at Mechanic St	N/A	N/A	Review sight distances, signage, markings, and signal to assess safety needs.	Short	53
FR25	25	2nd Ave at Mechanic St	N/A	N/A	Reconstruct intersection as part of Second Avenue widening.	Long	53
FR26	26	2nd Ave at High St	N/A	N/A	Install signs for left turn restriction during peak hours.	Short	53
FR29	29	Bowers Rd over Norfolk Southern Railroad	N/A	N/A	Install protective flashing lights and/or bells.	Short	53
FR4	4	Fairview Dr	Hunterdale Rd	High St	Reconstruct roadway to urban two-lane standards, including turn lanes at major intersections and the hospital.	Mid	49
FR7	7	2nd Ave at Armory Dr	N/A	N/A	Install signal and pedestrian crosswalks.	Mid	49
FR11	11	Hunterdale Rd at VA 687	N/A	N/A	Maintenance and repave gravel shoulder by church.	Mid	49
FR27	27	Armory Dr at College Dr	N/A	N/A	Review sight distances, signage, markings, and signal to assess safety needs.	Short	49
FR27	27	Armory Dr at College Dr	N/A	N/A	Reconfigure intersection as part of Armory Drive widening.	Long	49
FR9	9	South St at Pretlow St	N/A	N/A	Apply access management.	Short	43
FR9	9	South St at Pretlow St	N/A	N/A	Conduct traffic study to determine optimal improvements, such as signalization or lengthening turn lanes.	Mid	43

**Table 3 (cont.): 2040 LRTP Transportation Recommendations List - City of Franklin**

Systems Mangement Recommendations							
Project ID	Map ID	Project Name	From	To	Description	Term	Project Prioritization Score
FR23	23	South St at College Dr	N/A	N/A	Construct intersection improvement planned under Virginia Transportation Development Plan (VTDP).	Short	43
FR24	24	Fairview Dr at High St	N/A	N/A	Consider signalization.	Mid	43
FR16	16	Pretlow St	Laurel St	South St	Reconstruct roadway to urban two-lane standards and add appropriate turn lanes at major intersections.	Long	34
FR40	40	Pretlow St	Morton St	0.17 Mi N Morton St	Reconstruct roadway to urban two-lane cross-section. Construct bike lane or multi-use trail.	Mid	34
FR2	2	Country Club Rd at Hunterdale Rd	N/A	N/A	Apply access management and refresh pavement markings.	Mid	29
FR2	2	Country Club Rd at Hunterdale Rd	N/A	N/A	Continue to monitor for improvements.	Long	29
FR8	8	Mechanic St N at 4th Ave	N/A	N/A	Improve pavement markings and signage and change eastbound control from "Yield" to "Stop".	Short	29
FR8	8	Mechanic St N at 4th Ave	N/A	N/A	Add ADA ramps and crosswalks.	Mid	29
FR8	8	Mechanic St N at 4th Ave	N/A	N/A	Monitor need for signal.	Long	29
FR10	10	Clay St at 4th Ave	N/A	N/A	Improve pavement markings and signage and prohibit parking along eastbound Fourth Avenueue approach.	Short	29
FR10	10	Clay St at 4th Ave	N/A	N/A	Monitor crashes on Fourth Avenue approach and apply rumble strips if needed.	Mid	29
FR28	28	Elm St at Main St	N/A	N/A	Improve turning radius in southeast quadrant.	Mid	29
FR3	3	Bailey Dr at Stewart Dr	N/A	N/A	Realign roadway and apply access management.	Long	27
FR30	30	High St over CSX Railroad	N/A	N/A	Install gates.	Mid	27
FR31	31	Beaman St over Norfolk Southern Railroad	N/A	N/A	Install protective flashing lights and/or bells and add rubberized crossing.	Short	27
FR14	14	Pretlow St	SCL of Franklin	US 58 Bypass Eastbound Off Ramp	Reconstruct roadway to urban two-lane standards and add appropriate turn lanes at major intersections.	Long	22
FR15	15	Pretlow St	US 58 Bypass Eastbound Off Ramp	Progress Pkwy	Reconstruct roadway to urban two-lane standards and add appropriate turn lanes at major intersections.	Long	22
FR39	39	Pretlow St	Progress Pkwy	Morton St	Reconstruct roadway to urban two-lane cross-section. Construct bike lane or multi-use trail.	Mid	22
FR48	48	College Dr	Armory Dr	Stewart Dr	Review signage, sight distances, lighting, and driveway consolidation to assess safety needs.	Short	22
FR17	17	High St	Birch St	South St	Reconstruct roadway to urban two-lane standards and add appropriate turn lanes at major intersections.	Long	20
FR58	58	2nd Ave	Mechanic St	Franklin City Line	Continue to monitor for improvements.	Long	18
FR59	59	Mechanic St	4th Ave	2nd Ave	Continue to monitor for improvements.	Long	18
FR34	34	College Dr	South St	Armory Dr	Review signage, sight distances, lighting, and driveway consolidation to assess safety needs.	Short	16.5
FR37	37	High St	Beaman St	Fairview Dr	Review signage, sight distances, lighting, and driveway consolidation to assess safety needs.	Short	16.5
FR5	5	Armory Dr	Franklin City Limits/US 58	College Dr	Apply access management.	Short	12
FR5	5	Armory Dr	Franklin City Limits/US 58	College Dr	Continue to monitor for improvements.	Long	12
FR51	51	Armory Dr	N/A	N/A	Restriping Armory Dr commercial corridor to include bicycle lanes.	Short	12
FR60	20	South St	SCL of Franklin	Amber St	Continue to monitor for improvements.	Long	10.75
FR47	47	Clay St at College Dr	N/A	N/A	Review sight distances, signage, markings, and signal to assess safety needs.	Short	10
FR49	49	High St	South St	Beaman St	Review signage, sight distances, lighting, and driveway consolidation to assess safety needs.	Short	10

# Map 8: Southampton Transportation Recommendations



**Table 4: 2040 RL RTP Transportation Recommendations List - Southampton County**

Highway Recommendations							
Project ID	Map ID	Project Name	From	To	Description	Term	Project Prioritization Score
SH61	61	US 58 Corridor - Preferred Alternative	Meherrin Rd (US 58 BUS)	Camp Pkwy	Construct Bypass. • Construct new limited access facility • Locate to the north side between the new Jerusalem Rd interchange and Camp Pkwy • Construct new interchange at Camp Pkwy • Remove access restrictions for existing alignment of US 58	Long	161
SH4	4	VA 687	Camp Pkwy	Franklin Corporate Limits	Widen to rural three-lane roadway when volumes warrant.	Long	106
SH4	4	VA 687	Camp Pkwy	Franklin Corporate Limits	Preserve right-of-way for future widening to rural three-lane cross-section from railroad crossing to Camp Pkwy.	Mid	106
SH6	6	Plank Rd at VA 719	N/A	N/A	Realign VA 35, including full intersections with minor roadways.	Long	80
SH/FR 100	100	US 58 (Study)	Eastern End of Suffolk Bypass	I-95	Corridor study to examine existing conditions and forecast conditions for 2040	Long	N/A
Intersection/Interchange Recommendations							
Project ID	Map ID	Project Name	From	To	Description	Term	Project Prioritization Score
SH/FR 101	101	US 58/US 258 Interchange	N/A	N/A	Construct new interchange to replace existing interchange	N/A	184
SH15	15	Southampton Pkwy (US 58) at VA 650 / East End Courtland Bypass	N/A	N/A	Construct new interchange to replace existing at-grade intersection	N/A	183
SH2	2	General Thomas Hwy at US 58 Westbound Exit	N/A	N/A	Add "Right Lane Must Turn Right" signage on southbound General Thomas Hwy and consider channelizing right turn lane at exit from McDonald's.	Short	174
SH50	50	US 58 at US 58 Business	N/A	N/A	Construct new interchange to replace existing at-grade intersection	Short	141
Active Transportation Recommendations							
Project ID	Map ID	Project Name	From	To	Description	Term	Project Prioritization Score
SH/FR 102	102	Rail-to-Trail	Hunterdale Rd	Southampton CL	Convert abandoned rail line to multi-use trail	Long	N/A
Bridge Recommendations							
Project ID	Map ID	Project Name	From	To	Description	Term	Project Prioritization Score
SH9	9	Pretlow Rd at S Quay Rd	N/A	N/A	Rebuild bridge structure to the east and add westbound right turn lane.	Long	189
SH42	42	VA 608 Over Raccoon Swamp Rd	N/A	N/A	Replace bridge.	Short	78
SH63	63	General Thomas Hwy Over Nottoway River	N/A	N/A	Replace bridge.	N/A	60
Systems Management Recommendations							
Project ID	Map ID	Project Name	From	To	Description	Term	Project Prioritization Score
SH2	2	General Thomas Hwy at US 58 Westbound Exit	N/A	N/A	Add "Right Lane Must Turn Right" signage on southbound General Thomas Hwy and consider channelizing right turn lane at exit from McDonald's.	Short	54.5
SH10	10	Southampton Pkwy at VA 659	N/A	N/A	Add stop bar and centerline markings on northbound approach and install flashers on "Intersection Ahead" signs.	Short	51
SH10	10	Southampton Pkwy at VA 659	N/A	N/A	Apply access management and lengthen all turn lanes.	Mid	51
SH12	12	General Mahone Blvd	Proctors Bridge Rd	Broadwater Rd	Extend northbound right turn lane at Main St and southbound right turn lane at Broadwater Rd.	Short	51
SH12	12	General Mahone Blvd	Proctors Bridge Rd	Broadwater Rd	Apply access management and consider signalizing Broadwater Rd.	Mid	51
SH12	12	General Mahone Blvd	Proctors Bridge Rd	Broadwater Rd	Monitor traffic on roadway for additional improvements.	Long	51
SH11	11	Southampton Pkwy	Camp Pkwy	VA 35 W Exit	Apply access management, reduce number of median openings, and add full turn lanes at remaining median openings.	Mid	36
SH9	9	Pretlow Rd at S Quay Rd	N/A	N/A	Add "Stop Ahead" signage and rumble strips to minor approach.	Short	34.5
SH9	9	Pretlow Rd at S Quay Rd	N/A	N/A	Add eastbound left turn lane.	Mid	34.5
SH46	46	Southampton Pkwy at Main St	N/A	N/A	Refresh stop bar and centerline markings on northbound approach, install flashers on "Intersection Ahead" signs, and extend sidewalk through intersection with pedestrian refuge in the median.	Short	34
SH46	46	Southampton Pkwy at Main St	N/A	N/A	Apply access management, lengthen and widen all turn lanes, and reduce embankment to improve line of sight. (Capron)	Mid	34
SH54	54	US 58 Corridor - Median Opening Improvements	Meherrin Rd (US 58 BUS)	Camp Pkwy	Add/improve left-turn lanes at all existing median openings as detailed in the overlay district (200 ft. of storage and 200 feet of taper)	Short	34
SH56	56	US 58 Corridor - Camp Pkwy Intersection	Meherrin Rd (US 58 BUS)	Camp Pkwy	Construct an additional eastbound left turn lane and install traffic signal	Mid	34



**Table 4 (cont.): 2040 RL RTP Transportation Projects List - Southampton County**

Systems Management Recommendations (cont.)							
Project ID	Map ID	Project Name	From	To	Description	Term	Project Prioritization Score
SH57	57	US 58 Corridor - Access Improvement	Meherrin Rd (US 58 BUS)	Camp Pkwy	Consolidate driveways, add right turn lanes, and reconstruct median openings	Mid	34
SH58	58	US 58 Corridor - Driveway Consolidation	Meherrin Rd (US 58 BUS)	Camp Pkwy	Consolidate driveways between Jerusalem Rd and Storys Station Rd	Mid	34
SH13	13	VA 643	VA 644	VA 611	Reconstruct roadway to rural two-lane standards with turn lanes at major intersections and extend improvements to Sedley Rd.	Mid	29
SH6A	6	Plank Rd at VA 719	N/A	N/A	Add northbound right and southbound left turn lanes and stop bars on minor approaches.	Mid	27.5
SH24	24	Delaware Rd	VA 684 N	VA 671	Reconstruct roadway to address geometric deficiencies (10-ft lanes).	Long	27
SH49	49	Main St	SCL of Ivor	VA 1201	Reconstruct to urban two-lane roadway. (Ivor)	Long	27
SH7A	7	Plank Rd at VA 647	N/A	N/A	Add northbound and southbound right and left turn lanes and stop bars on minor approaches.	Mid	24
SH7A	7	Plank Rd at VA 647	N/A	N/A	Realign VA 35, including full intersections with minor roadways.	Long	24
SH8A	8	Plank Rd at VA 713	N/A	N/A	Add northbound right and southbound left turn lanes and stop bars on minor approaches.	Mid	24
SH8A	8	Plank Rd at VA 713	N/A	N/A	Realign VA 35, including full intersections with minor roadways.	Long	24
SH35	35	Unity Rd	Ivor Rd	Cottage Hill Rd/ Sycamore Rd	Reconstruct roadway to address geometric deficiencies (10-ft lanes).	Long	22
SH36	36	Unity Rd	Cottage Hill Rd/ Sycamore Rd	VA 635 W	Reconstruct roadway to address geometric deficiencies (11-ft lanes).	Long	22
SH37	37	Unity Rd	VA 635 E	Isle of Wight County Line	Reconstruct roadway to address geometric deficiencies (11-ft lanes).	Long	22
SH39	39	Proctors Bridge Rd	NCL of Ivor	VA 737	Reconstruct roadway to address geometric deficiencies (10-ft lanes).	Long	22
SH40	40	Proctors Bridge Rd	VA 617	VA 621	Reconstruct roadway to address geometric deficiencies (10-ft lanes).	Long	22
SH74	74	S Main St (US 58 BUS)	S Main St (VA 35)	ECL of Courtland	Continue to monitor for improvements. (Courtland)	Long	22
SH26	26	Carys Bridge Rd	VA 651	Plank Rd	Reconstruct roadway to address geometric deficiencies (11-ft lanes).	Long	17
SH27	27	The Rolfe Hwy	VA 728	Millfield Rd	Reconstruct roadway to address geometric deficiencies (11-ft lanes).	Long	17
SH28	28	The Rolfe Hwy	Millfield Rd	Sussex County Line	Reconstruct roadway to address geometric deficiencies (11-ft lanes).	Long	17
SH18	18	Little Texas Rd	VA 730	VA 661	Reconstruct roadway to address geometric deficiencies (10-ft lanes).	Long	15
SH19	19	Little Texas Rd	VA 661	VA 658 N	Reconstruct roadway to address geometric deficiencies (11-ft lanes).	Long	15
SH20	20	Pinopolis Rd	VA 658 N	SCL Capron	Reconstruct roadway to address geometric deficiencies (11-ft lanes).	Long	15
SH21	21	Clarksbury Rd	VA 666	Pinopolis Rd	Reconstruct roadway to address geometric deficiencies (11-ft lanes).	Long	15
SH22	22	Statesville Rd	North Carolina State Limits	VA 672 E	Reconstruct roadway to address geometric deficiencies (11-ft lanes).	Long	15
SH23	23	Monroe Rd	North Carolina State Limits	VA 720	Reconstruct roadway to address geometric deficiencies (11-ft lanes).	Long	15
SH25	25	Popes Station Rd	VA 735	VA 608 E	Reconstruct roadway to address geometric deficiencies (10-ft lanes).	Long	15
SH29	29	Millfield Rd	The Rolfe Hwy	Seacock Chapel Rd	Reconstruct roadway to address geometric deficiencies (10-ft lanes).	Long	15
SH30	30	Seacock Chapel Rd	Millfield Rd	VA 635	Reconstruct roadway to address geometric deficiencies (11-ft lanes).	Long	15
SH31	31	Seacock Chapel Rd	VA 635	Isle of Wight County Line	Reconstruct roadway to address geometric deficiencies (including full-width lanes and shoulders).	Long	15
SH32	32	Governor Darden Rd	ECL of Courtland	VA 641 N	Reconstruct roadway to address geometric deficiencies (11-ft lanes).	Long	15
SH33	33	Sycamore Rd	VA 632	VA 1006	Reconstruct roadway to address geometric deficiencies (including full-width lanes and shoulders).	Long	15
SH34	34	Johnson Mill Rd	VA 645	VA 616	Reconstruct roadway to address geometric deficiencies (10-ft lanes).	Long	15
SH38	38	Black Creek Rd	VA 626	Unity Rd	Reconstruct roadway to address geometric deficiencies (11-ft lanes).	Long	15
SH47	47	Main St	SCL of Capron	Southampton Pkwy	Reconstruct to urban two-lane roadway. (Capron)	Long	15
SH64	64	Brandy Pond Rd	Popes Station Rd	Everett Rd	Pave road.	N/A	15
SH65	65	Delaware Rd	Rte 689	Smiths Ferry Rd	Pave road.	N/A	15
SH66	66	Rosemont Rd	Peachtree Ave	Vicksville Rd	Pave road.	N/A	15
SH67	67	Guy Place Rd	Ivor Rd	Wakefield Rd	Pave road.	N/A	15
SH68	68	Buckhorn Quarter Rd	Popes Station Rd	Carys Bridge Rd	Pave road.	N/A	15
SH69	69	Warrique Rd	Broadwater Rd	Proctors Bridge Rd	Pave road.	N/A	15
SH59	59	Smith Ferry Rd	Nottoway River Bridge S	VA 189	Continue to monitor for improvements.	Long	10

## Public Involvement

The draft of the RL RTP was available for public review and comment from July 12, 2017 – July 28, 2017. The plan was available through the HRTPO website. Physical copies of the plan were left at the following locations:

- Franklin City Hall
- Ruth Camp Campbell Memorial Library
- Ivor Town Hall
- Town of Boykins
- County Administrator's Office
- Walter Cecil Rawls Library

## Coordination with State

A goal of the RL RTP is to help localities identify and prioritize candidate projects to assist with the Commonwealth's statewide prioritization process known as SMART SCALE. SMART SCALE (formerly known as House Bill 2), signed into law in 2014, directed the Commonwealth Transportation Board (CTB) to develop and use a prioritization process to select transportation projects. The legislation is intended to improve the transparency and accountability of project selection, as well as improve stability in the Six-Year Improvement Program (SYIP). The process is to score projects based on an objective analysis and provide guidance to the CTB for project selection and funding. Following a year of development, which included multiple stakeholder outreach sessions across the state, the CTB approved the SMART SCALE prioritization process on June 17, 2015.

Since 2004, the Office of Intermodal Planning and Investment (OIPI) has produced VTRANS – the blueprint for Virginia's future

transportation development. This plan identifies the long term multimodal transportation needs across the state and provides a policy framework to guide partner transportation agencies in their investment decision making. The most recent iteration of this plan is called VTRANS2040. For more information, please visit [www.vtrans2040.com](http://www.vtrans2040.com)

As part of the development process of VTRANS2040, OIPI conducted a scan for projects in statewide agency plans and regional plans that address identified VTrans needs. Regional plans reviewed include the HRTPO's LRTP and RL RTP. Both of these plans identify transportation improvements from a multimodal perspective.

## Plan Performance

For the purposes of the 2040 RL RTP, plan performance describes the progress made towards the achievement of its goals from the previous Rural Long-Range Transportation Plan. Found on the following page is a table of the committed and completed projects for the City of Franklin and Southampton County. Committed Projects are defined as fully funded transportation projects programmed in the current Six-Year Improvement Program (SYIP). Committed projects are either under construction or scheduled for construction in the near future.

**TABLE 5: RL RTP COMMITTED AND COMPLETED PROJECTS**

Committed Projects				
Locality	Project Name	From	To	Project Description
Southampton	US 58 at Rte 742 (Courtland Interchange)	N/A	N/A	Construct interchange.
Southampton	General Thomas Hwy at US 58 Eastbound Exit	N/A	N/A	Install signal when warranted.
Southampton	General Thomas Hwy at US 58 Westbound Exit	N/A	N/A	Install signal when warranted.
Southampton	VA 35 Over Tarrara Creek	0.058 mi S Tarrara Creek	0.0065 mi N Tarrara Creek	Replace bridge.
Southampton	Rte 688 at CSX Railroad	N/A	N/A	Install flashing lights and gates with CWT predictors.
Southampton	Rte 308 Over Three Creek	N/A	N/A	Replace bridge.
Southampton	VA 635 Over N&W Railroad	N/A	N/A	Replace bridge.
Southampton	Rte 189 over Blackwater River	N/A	N/A	Replace bridge.
Southampton	Route 58	0.1 mi W Rte 609	0.2 mi E Rte 609	Superelevation Correction
Completed Projects				
Locality	Project Name	From	To	Project Description
Southampton	VA 35 Over Nottoway River	0.072 mi W Southampton County Line	0.364 mi W Southampton County Line	Replaced bridge.
Southampton	General Thomas Hwy	VA 650	Franklin Corporate Limits	Added "Intersection Ahead" signage to major intersections along corridor and widened roadway to rural five-lane standards.
Southampton	Indian Town Rd	Carys Bridge Rd	Popes Station Rd	Paved road.
Southampton	Rawlings Rd	Popes Station Rd	Southampton Pkwy	Paved road.
Southampton	VA 659 Over Flat Swamp	N/A	N/A	Replaced bridge.
Franklin	Hunterdale Rd at Fairview Dr	N/A	N/A	Reconstructed intersection to provide left turn lanes on approaches; widen north and south legs to provide tow through lanes as part of Hunterdale Road project

## Conclusion

The HRTPO uses the RL RTP as a blueprint to address the needs of the transportation system in rural localities. It evaluates their transportation systems with respect to existing and projected populations and employment and recommends a range of prioritized transportation improvements. The plan updated the City of Franklin and Southampton's socioeconomic data, traffic

forecasts, transportation goals and objectives, and prioritize transportation recommendations. The 2040 RL RTP update provides guidance to decision makers on which transportation projects to advance and it will put the rural localities in a better position for SMART SCALE and other potential funding sources.

## APPENDIX A – TITLE VI/ENVIRONMENTAL JUSTICE ANALYSIS

## Environmental Justice (EJ) Community Maps

The following maps display the physical location of 2040 RL RTP candidate projects and their proximity to identified EJ communities. There are maps for each of the nine EJ communities:


- Minority
- Limited English Proficiency
- Poverty
- Female Head of Household
- Households Receiving Food Stamps
- Households Receiving Cash Public Assistance
- Carless
- Elderly
- Disabled



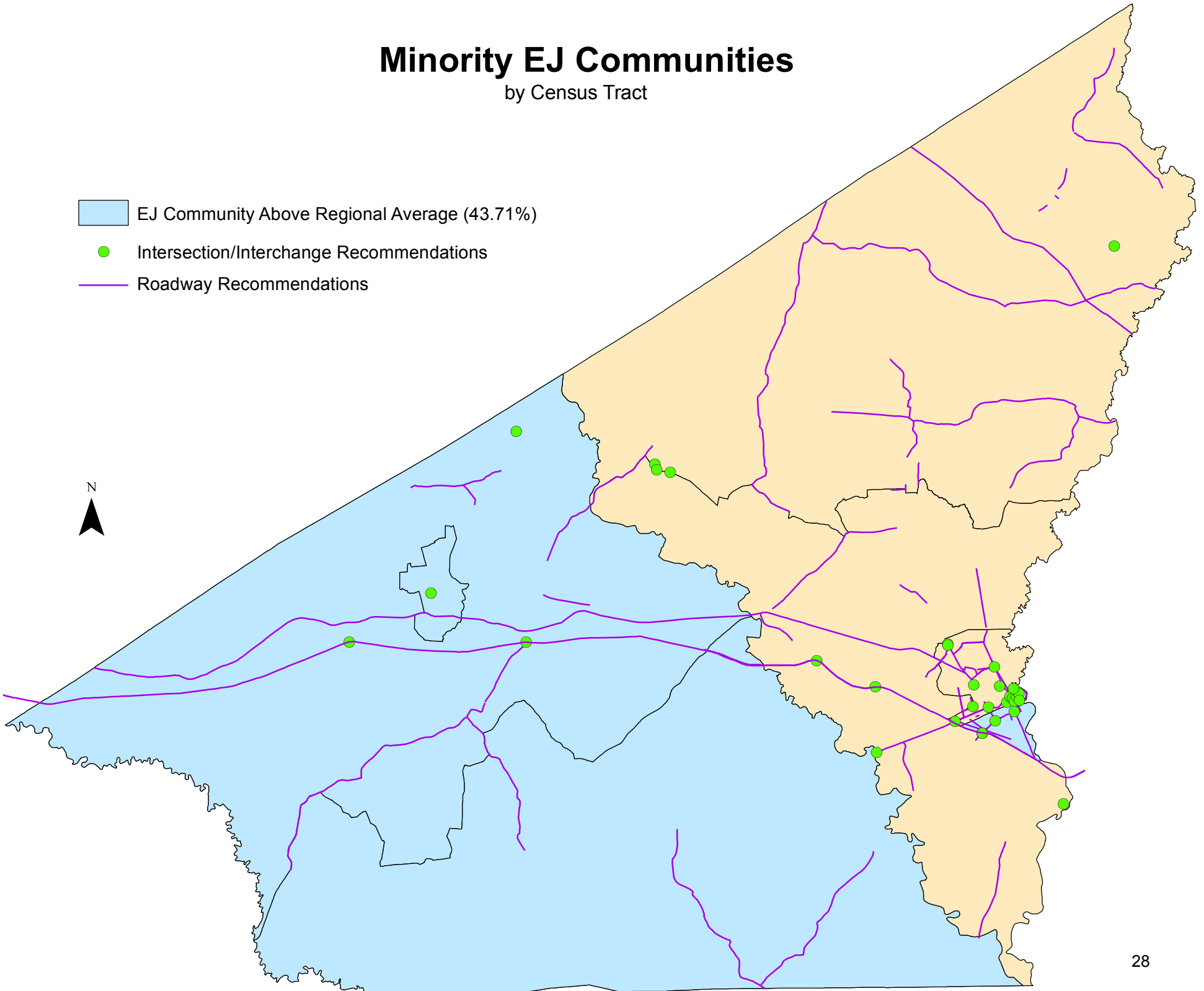
# Minority EJ Communities

by Census Tract

 EJ Community Above Regional Average (43.71%)

 Intersection/Interchange Recommendations


 Roadway Recommendations



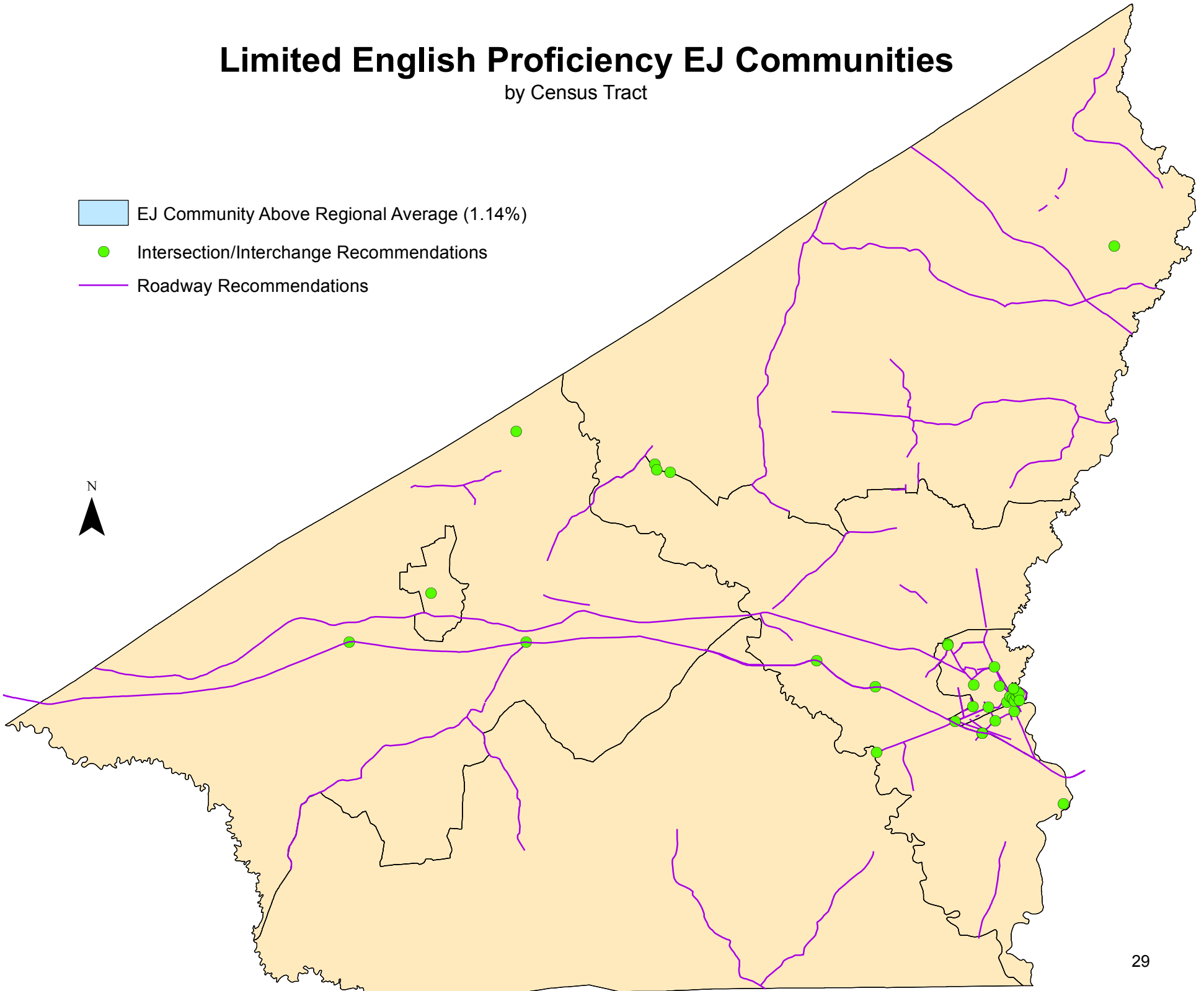
# Limited English Proficiency EJ Communities

by Census Tract

 EJ Community Above Regional Average (1.14%)

 Intersection/Interchange Recommendations


 Roadway Recommendations



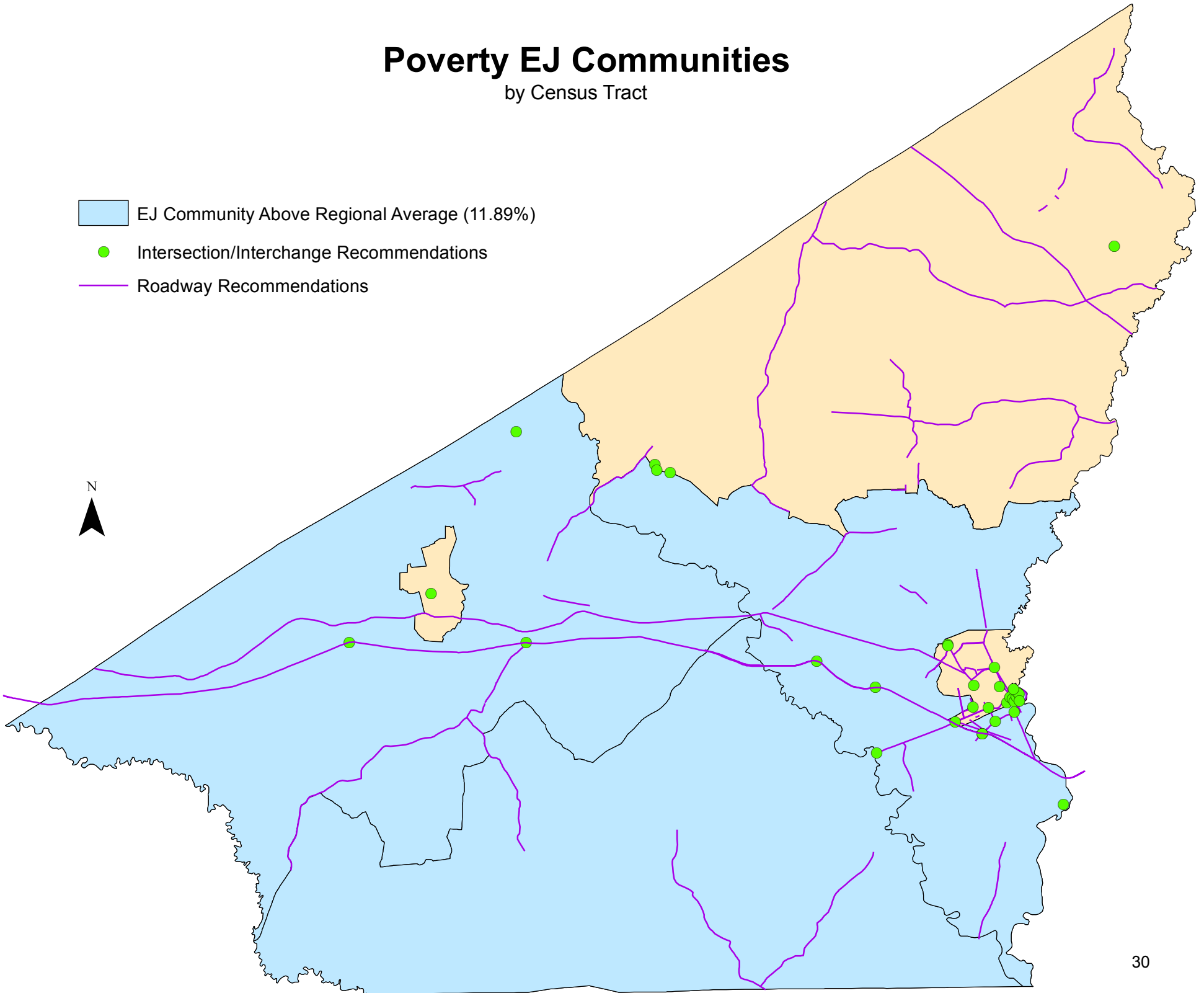
# Poverty EJ Communities

by Census Tract

 EJ Community Above Regional Average (11.89%)

 Intersection/Interchange Recommendations


 Roadway Recommendations



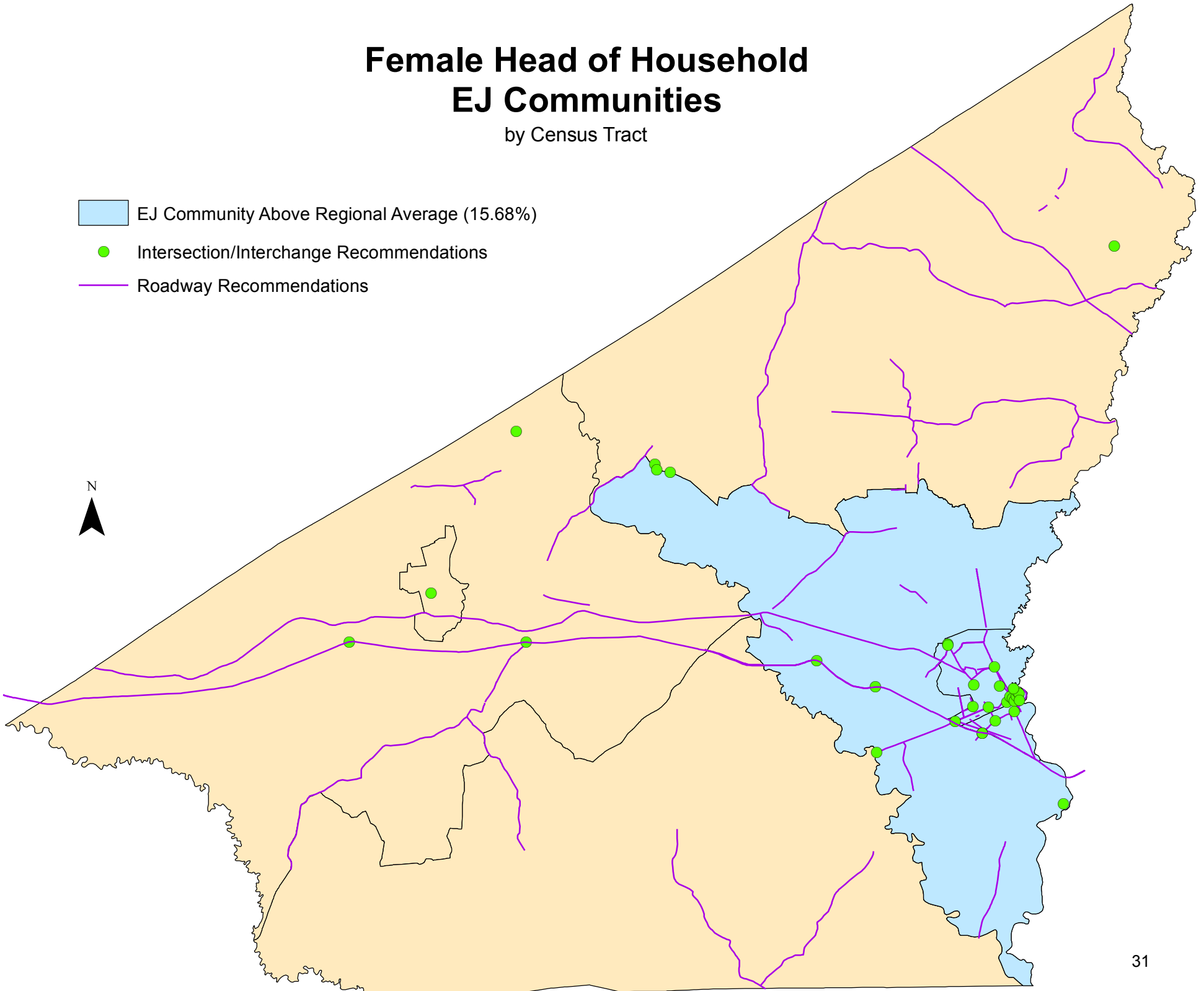
# Female Head of Household EJ Communities

by Census Tract

 EJ Community Above Regional Average (15.68%)

 Intersection/Interchange Recommendations




 Roadway Recommendations

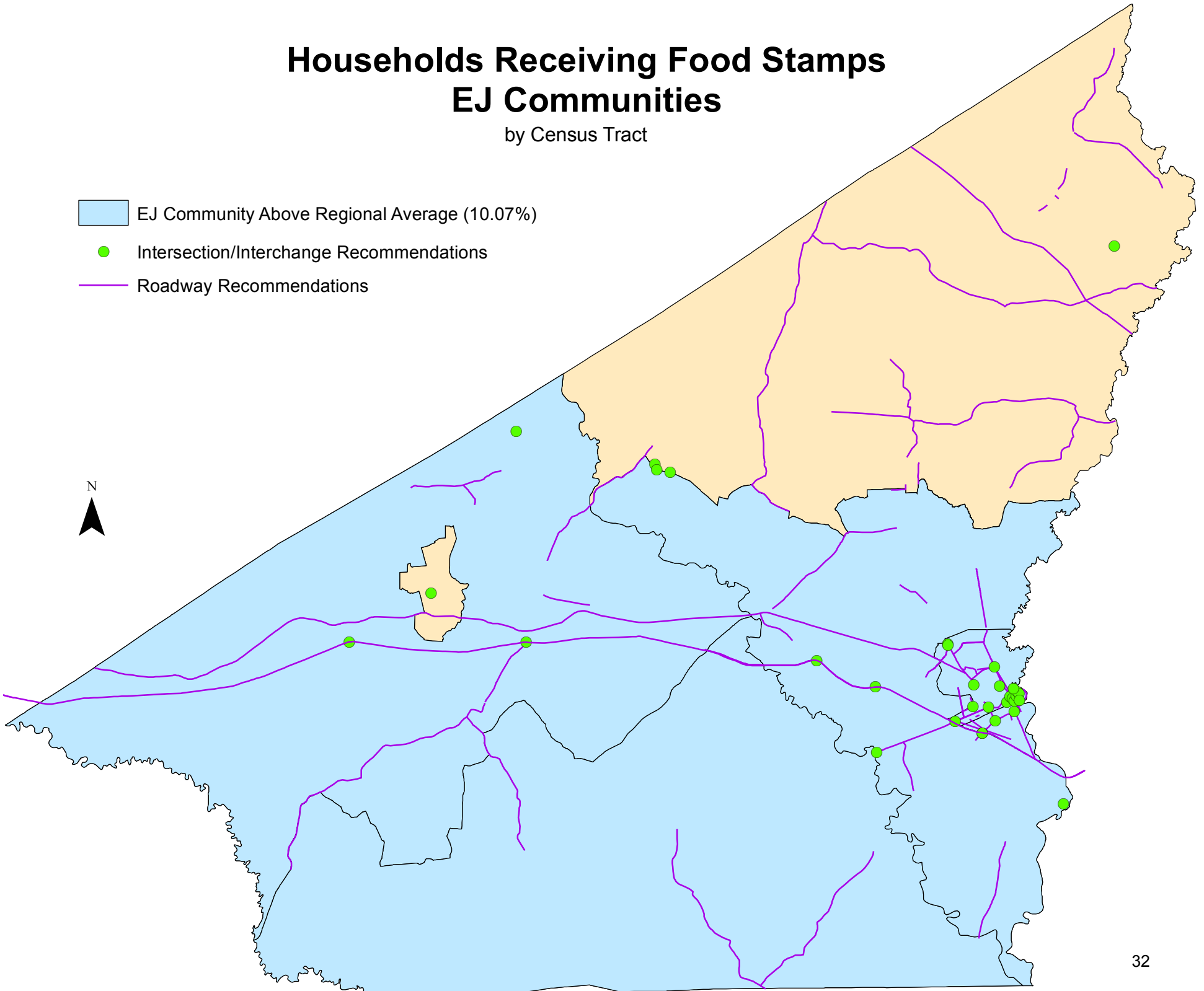




# Households Receiving Food Stamps EJ Communities


by Census Tract


-  EJ Community Above Regional Average (10.07%)
-  Intersection/Interchange Recommendations
-  Roadway Recommendations



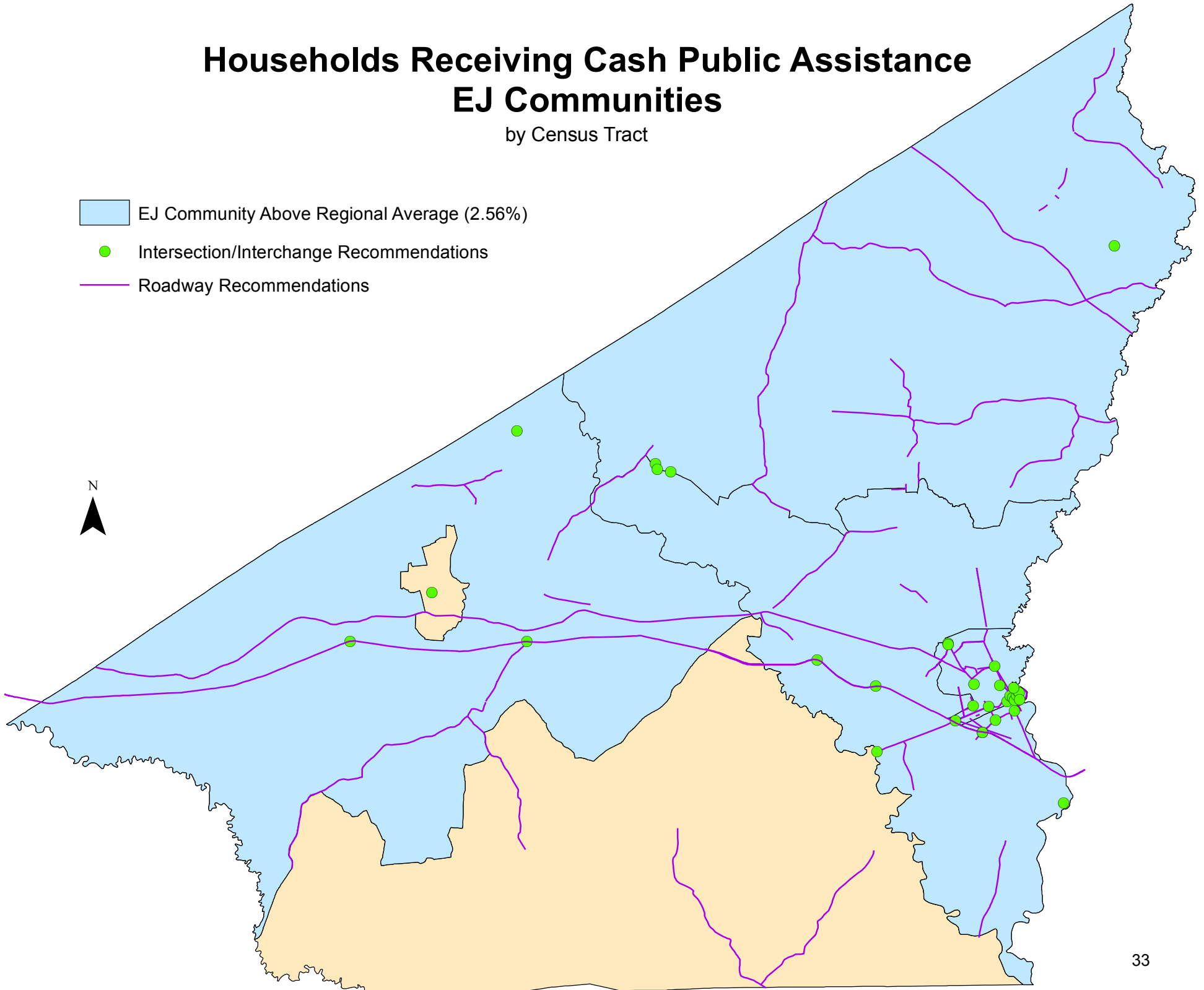
# Households Receiving Cash Public Assistance EJ Communities

by Census Tract

 EJ Community Above Regional Average (2.56%)

 Intersection/Interchange Recommendations


 Roadway Recommendations



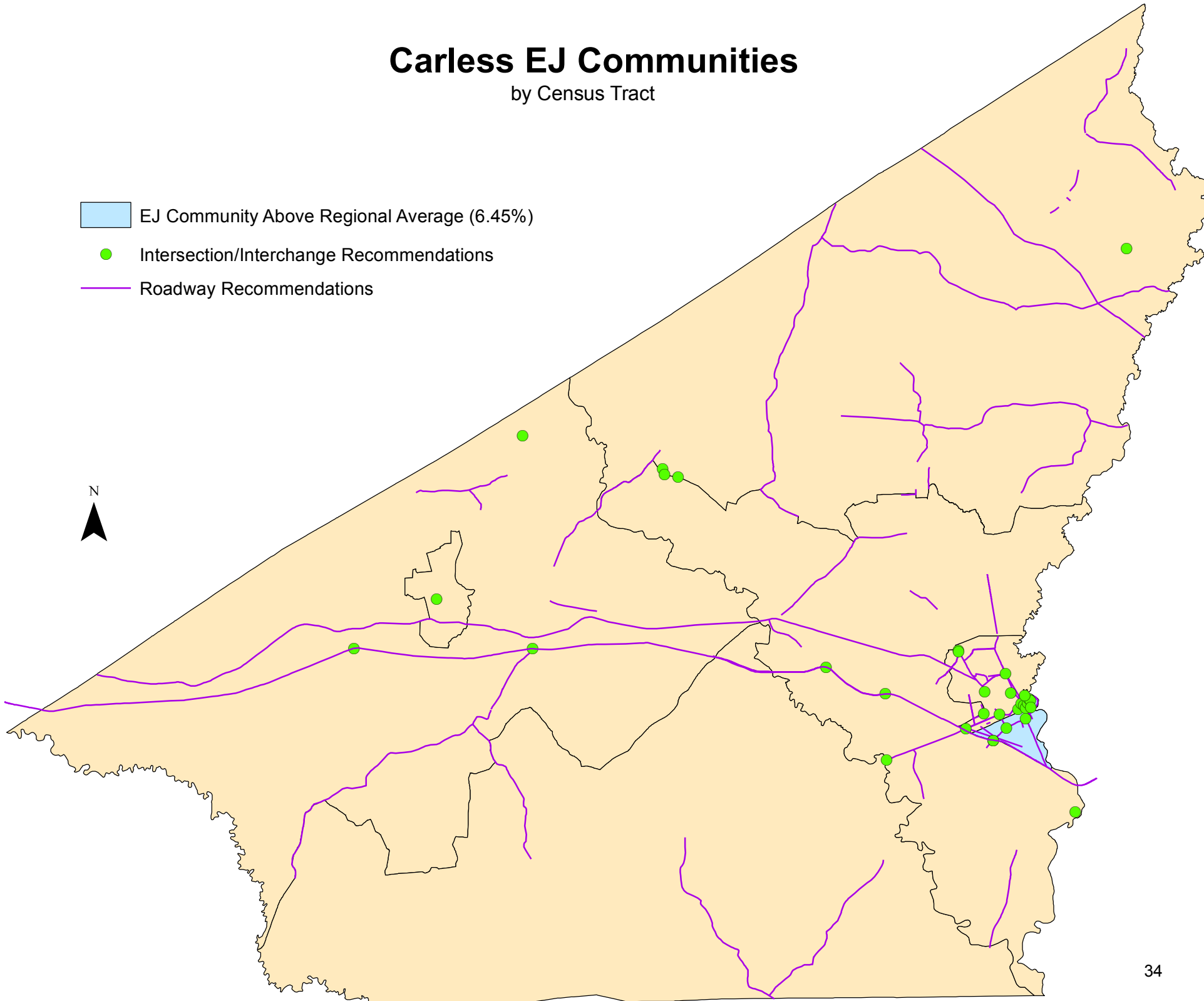
# Carless EJ Communities

by Census Tract

 EJ Community Above Regional Average (6.45%)

 Intersection/Interchange Recommendations


 Roadway Recommendations



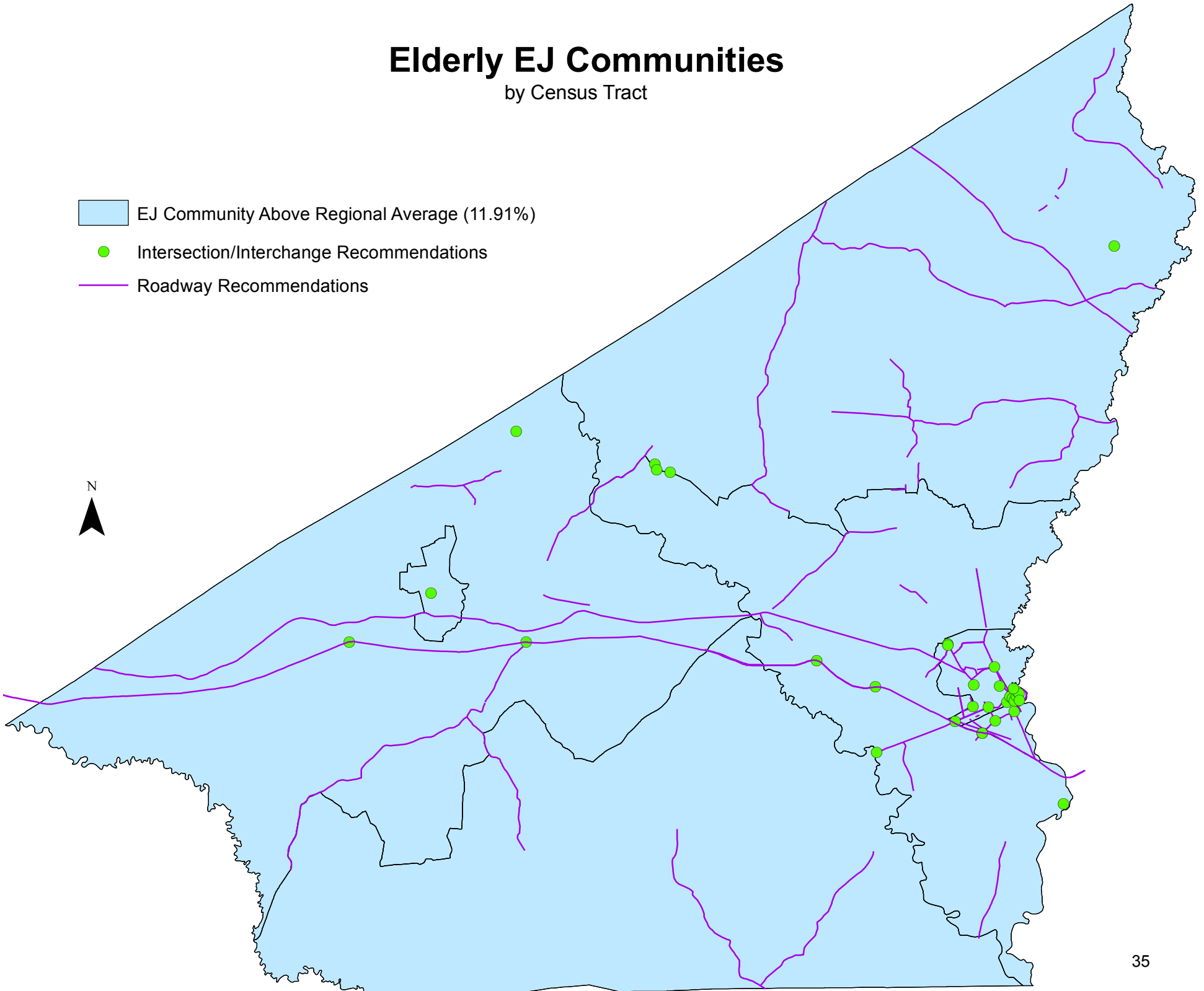
# Elderly EJ Communities

by Census Tract

 EJ Community Above Regional Average (11.91%)


 Intersection/Interchange Recommendations


 Roadway Recommendations



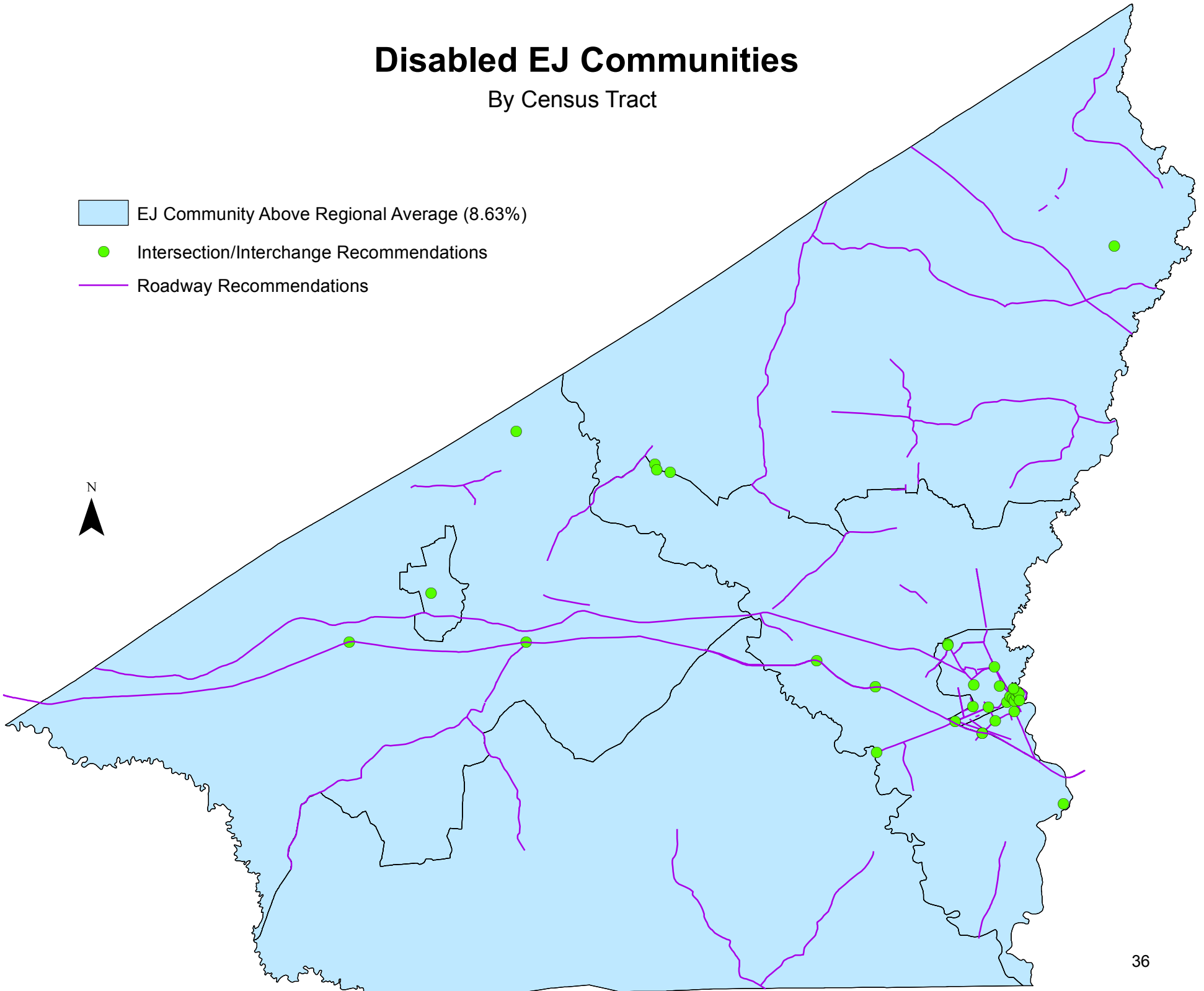
# Disabled EJ Communities

By Census Tract

 EJ Community Above Regional Average (8.63%)

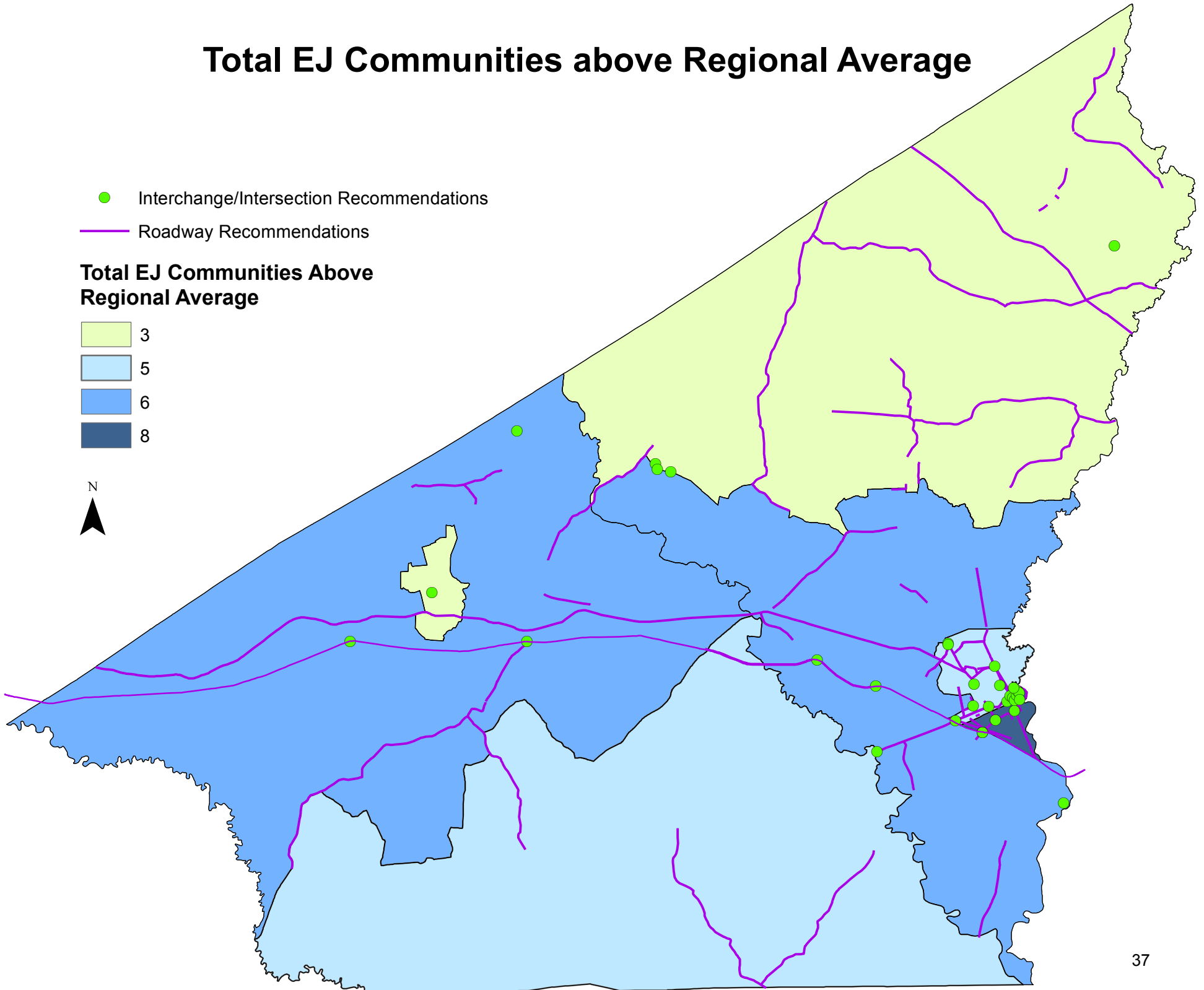
 Intersection/Interchange Recommendations

 Roadway Recommendations





# Total EJ Communities above Regional Average



## Highly Affected EJ Communities

The following table identifies all 2040 RL RTP Candidate Projects that are identified as “highly affected” by having over 50% of their affected census tracts identified in a specific EJ community. The methodology of the 2040 LRTP assigned an impact extent of 2 miles for candidate interstate projects and 1-mile for non-interstate projects. Because there are no interstates in the study area all of the projects were assigned an impact extent of 1-mile.

Example:

Project ID	Locality	Project Name	Minority	Limited English Proficiency	Poverty	Female Head of Household	Households Receiving Food Stamps	Households Receiving Cash Public Assistance	Carless Households	Elderly	Disabled
FR2	Franklin	Country Club Rd at Hunterdale Rd			X	X	X	X		X	X

Candidate project FR2: Country Club Rd at Hunterdale Rd meets the criteria for the identified EJ communities:

- Poverty
- Female Head of Household
- Households Receiving Food Stamps
- Households Receiving Cash Public Assistance
- Elderly
- Disabled

Project ID	Locality	Project Name	Minority	Limited English Proficiency	Poverty	Female Head of Household	Households Receiving Food Stamps	Households Receiving Cash Public Assistance	Carless Households	Elderly	Disabled
SH/FR 100	Multijurisdictional	US 58 Study	X		X	X	X	X		X	X
SH/FR 101	Multijurisdictional	US 58/258 Interchange			X	X	X	X		X	X
SH/FR 102	Multijurisdictional	Rail-to-Trail	X		X	X	X	X		X	X
FR2	Franklin	Country Club Rd at Hunterdale Rd			X	X	X	X		X	X
FR3	Franklin	Bailey Dr at Stewart Dr			X	X	X	X		X	X
FR4	Franklin	Fairview Dr			X	X	X	X		X	X
FR5	Franklin	Armory Dr			X	X	X	X		X	X
FR6	Franklin	Armory Dr			X	X	X	X		X	X
FR7	Franklin	2nd Ave at Armory Dr	X		X	X	X	X	X	X	X
FR8	Franklin	Mechanic St N at 4th Ave	X		X	X	X	X	X	X	X
FR9	Franklin	South St at Pretlow St	X		X	X	X	X	X	X	X
FR10	Franklin	Clay St at 4th Ave	X		X	X	X	X	X	X	X
FR11	Franklin	Hunterdale Rd at VA 687			X	X	X	X		X	X
FR12	Franklin	High St			X	X	X	X		X	X
FR13	Franklin	VA 687			X	X	X	X		X	X
FR14	Franklin	Pretlow St	X		X	X	X	X	X	X	X
FR15	Franklin	Pretlow St	X		X	X	X	X	X	X	X
FR16	Franklin	Pretlow St			X	X	X	X		X	X
FR17	Franklin	High St	X		X	X	X	X	X	X	X
FR21	Franklin	2nd Ave at Main St	X		X	X	X	X	X	X	X
FR23	Franklin	South St at College Dr			X	X	X	X		X	X
FR24	Franklin	Fairview Dr at High St				X	X	X		X	X
FR25	Franklin	2nd Ave at Mechanic St	X		X	X	X	X	X	X	X
FR26	Franklin	2nd Ave at High St	X		X	X	X	X	X	X	X
FR27	Franklin	Armory Dr at College Dr			X	X	X	X		X	X
FR28	Franklin	Elm St at Main St	X		X	X	X	X	X	X	X
FR29	Franklin	Bowers Rd over Norfolk Southern Railroad	X		X	X	X	X	X	X	X
FR30	Franklin	High St over CSX Railroad	X		X	X	X	X	X	X	X
FR31	Franklin	Beaman St over Norfolk Southern Railroad			X	X	X	X		X	X
FR32	Franklin	South St			X	X	X	X		X	X
FR33	Franklin	2nd Ave	X		X	X	X	X	X	X	X
FR34	Franklin	College Dr			X	X	X	X		X	X
FR37	Franklin	High St	X		X	X	X	X	X	X	X
FR38	Franklin	Hunterdale Rd			X	X	X	X		X	X
FR39	Franklin	Pretlow St			X	X	X	X		X	X
FR40	Franklin	Pretlow St			X	X	X	X		X	X
FR41	Franklin	Pretlow St			X	X	X	X		X	X
FR42	Franklin	Andrew Ave Extension			X	X	X	X		X	X
FR43	Franklin	Council Dr			X	X	X	X		X	X
FR44	Franklin	Washington St Extension			X	X	X	X		X	X
FR47	Franklin	Clay St at College Dr			X	X	X	X		X	X
FR48	Franklin	College Dr			X	X	X	X		X	X
FR49	Franklin	High St	X		X	X	X	X	X	X	X
FR51	Franklin	Armory Dr			X	X	X	X		X	X
FR58	Franklin	2nd Ave	X		X	X	X	X	X	X	X
FR59	Franklin	Mechanic St	X		X	X	X	X	X	X	X
FR60	Franklin	South St			X	X	X	X		X	X
FR63	Franklin	Progress Parkway Extension			X	X	X	X		X	X
FR64	Franklin	Stewart Drive Extension			X	X	X	X		X	X
FR65	Franklin	Bailey Drive Extension			X	X	X	X		X	X
FR66	Franklin	Sachs Avenue Extension			X	X	X	X		X	X
FR67	Franklin	Progress Parkway Extension			X	X	X	X		X	X

Project ID	Locality	Project Name	Minority	Limited English Proficiency	Poverty	Female Head of Household	Households Receiving Food Stamps	Households Receiving Cash Public Assistance	Carless Households	Elderly	Disabled
SH1	Southampton	General Thomas Hwy at US 58 Eastbound Exit			X	X	X	X		X	X
SH2	Southampton	General Thomas Hwy at US 58 Westbound Exit			X	X	X	X		X	X
SH3	Southampton	Woods Trail			X	X	X	X		X	X
SH4	Southampton	VA 687			X	X	X	X		X	X
SH6	Southampton	Plank Rd at VA 719			X	X	X	X		X	X
SH7A	Southampton	Plank Rd at VA 647			X	X	X	X		X	X
SH8A	Southampton	Plank Rd at VA 713			X	X	X	X		X	X
SH9	Southampton	Pretlow Rd at S Quay Rd			X	X	X	X		X	X
SH10	Southampton	Southampton Pkwy at VA 659	X		X		X	X		X	X
SH11	Southampton	Southampton Pkwy (VA 58)	X		X		X	X		X	X
SH12	Southampton	General Mahone Blvd						X		X	X
SH13	Southampton	VA 643			X	X	X	X		X	X
SH15	Southampton	Southampton Pkwy (US 58) at VA 650 / East End Courtland Bypass			X	X	X	X		X	X
SH18	Southampton	Little Texas Rd	X		X		X	X		X	X
SH19	Southampton	Little Texas Rd	X		X		X	X		X	X
SH20	Southampton	Pinopolis Rd	X		X		X	X		X	X
SH21	Southampton	Clarksbury Rd	X		X		X	X		X	X
SH22	Southampton	Statesville Rd	X		X		X			X	X
SH23	Southampton	Monroe Rd	X		X		X			X	X
SH24	Southampton	Delaware Rd	X		X	X	X	X		X	X
SH25	Southampton	Popes Station Rd	X		X		X	X		X	X
SH26	Southampton	Carys Bridge Rd			X		X	X		X	X
SH27	Southampton	The Rolfe Hwy			X	X	X	X		X	X
SH28	Southampton	The Rolfe Hwy						X		X	X
SH29	Southampton	Millfield Rd						X		X	X
SH30	Southampton	Seacock Chapel Rd						X		X	X
SH31	Southampton	Seacock Chapel Rd						X		X	X
SH32	Southampton	Governor Darden Rd	X		X		X	X		X	X
SH33	Southampton	Sycamore Rd			X	X	X	X		X	X
SH34	Southampton	Johnson Mill Rd			X	X	X	X		X	X
SH35	Southampton	Unity Rd						X		X	X
SH36	Southampton	Unity Rd						X		X	X
SH37	Southampton	Unity Rd						X		X	X
SH38	Southampton	Black Creek Rd			X	X	X	X		X	X
SH39	Southampton	Proctors Bridge Rd						X		X	X
SH40	Southampton	Proctors Bridge Rd						X		X	X
SH42	Southampton	VA 608 Over Raccoon Swamp Rd	X		X		X	X		X	X
SH43	Southampton	VA 635 Over N&W Railroad						X		X	X
SH45	Southampton	US 460 Expressway						X		X	X
SH46	Southampton	Southampton Pkwy at Main St	X		X		X	X		X	X
SH47	Southampton	Main St	X		X		X	X		X	X
SH49	Southampton	Main St						X		X	X
SH50	Southampton	Southampton Pkwy at US 58 BUS			X	X	X	X		X	X
SH59	Southampton	Smith Ferry Rd	X		X	X	X	X		X	X
SH60	Southampton	Smith Ferry Rd			X	X	X	X		X	X
SH61	Southampton	US 58 Corridor - Preferred Alternative	X		X		X	X		X	X
SH62	Southampton	Rte 308 Over Three Creek	X		X		X	X		X	X
SH63	Southampton	General Thomas Hwy Over Nottoway River	X		X	X	X	X		X	X
SH64	Southampton	Brandy Pond Rd	X		X		X	X		X	X
SH66	Southampton	Rosemont Rd			X	X	X	X		X	X

Project ID	Locality	Project Name	Minority	Limited English Proficiency	Poverty	Female Head of Household	Households Receiving Food Stamps	Households Receiving Cash Public Assistance	Carless Households	Elderly	Disabled
SH67	Southampton	Guy Place Rd			X	X	X	X		X	X
SH68	Southampton	Buckhorn Quarter Rd	X		X		X	X		X	X
SH69	Southampton	Warrique Rd						X		X	X
SH70	Southampton	Rte 688 at CSX Railroad			X	X	X	X		X	X
SH72	Southampton	US 58 at Rte 742	X		X	X	X	X		X	X
SH73	Southampton	VA 35 Over Tarrara Creek	X		X		X			X	X
SH74	Southampton	S Main St (US 58 BUS)	X		X		X	X		X	X



## Total Communities Affected

The following table displays the total number of census tracts that the proposed candidate project would affect, and the total number of census tracts with EJ communities that would be affected. A 1-mile impact extent was assigned to all of the projects.

Example:

Project ID	Locality	Project Name	Minority	LEP	Poverty	Female Head of Household	Households Receiving Food Stamps	Households Receiving Cash Public Assistance	Carless Households	Elderly	Disabled	Total Census Tracts
FR2	Franklin	Country Club Rd at Hunterdale Rd	0	0	1	2	2	2	0	2	2	2

Candidate Project FR2: Country Club Rd at Hunterdale Rd affects 2 total census tracts. Of those 2 tracts:

- 1 is identified as a Poverty EJ Community
- 2 are identified as Female Head of Household EJ Communities
- 2 are identified as Households Receiving Food Stamps EJ Communities
- 2 are identified as Households Receiving Cash Public Assistance EJ Communities
- 2 are identified as Elderly EJ Communities
- 2 are identified as Disabled EJ Communities

Project ID	Locality	Project Name	Minority	LEP	Poverty	Female Head of Household	Households Receiving Food Stamps	Households Receiving Cash Public Assistance	Carless Households	Elderly	Disabled	Total Census Tracts
SH/FR 100	Multijurisdictional	US 58 Study	4	0	4	3	5	4	1	6	6	6
SH/FR 101	Multijurisdictional	US 58/258 Interchange	1	0	2	3	3	3	1	3	3	3
SH/FR 102	Multijurisdictional	Rail-to-Trail	4	0	4	3	5	4	1	6	6	6
FR2	Franklin	Country Club Rd at Hunterdale Rd	0	0	1	2	2	2	0	2	2	2
FR3	Franklin	Bailey Dr at Stewart Dr	1	0	2	3	3	3	1	3	3	3
FR4	Franklin	Fairview Dr	0	0	1	2	2	2	0	2	2	2
FR5	Franklin	Armory Dr	1	0	2	3	3	3	1	3	3	3
FR6	Franklin	Armory Dr	1	0	2	3	3	3	1	3	3	3
FR7	Franklin	2nd Ave at Armory Dr	1	0	1	2	2	2	1	2	2	2
FR8	Franklin	Mechanic St N at 4th Ave	1	0	1	2	2	2	1	2	2	2
FR9	Franklin	South St at Pretlow St	1	0	1	2	2	2	1	2	2	2
FR10	Franklin	Clay St at 4th Ave	1	0	1	2	2	2	1	2	2	2
FR11	Franklin	Hunterdale Rd at VA 687	0	0	1	2	2	2	0	2	2	2
FR12	Franklin	High St	0	0	1	2	2	2	0	2	2	2
FR13	Franklin	VA 687	0	0	1	2	2	2	0	2	2	2
FR14	Franklin	Pretlow St	1	0	2	2	2	2	1	2	2	2
FR15	Franklin	Pretlow St	1	0	2	2	2	2	1	2	2	2
FR16	Franklin	Pretlow St	1	0	2	3	3	3	1	3	3	3
FR17	Franklin	High St	1	0	1	2	2	2	1	2	2	2
FR21	Franklin	2nd Ave at Main St	1	0	1	2	2	2	1	2	2	2
FR23	Franklin	South St at College Dr	1	0	2	3	3	3	1	3	3	3
FR24	Franklin	Fairview Dr at High St	0	0	0	1	1	1	0	1	1	1
FR25	Franklin	2nd Ave at Mechanic St	1	0	1	2	2	2	1	2	2	2
FR26	Franklin	2nd Ave at High St	1	0	1	2	2	2	1	2	2	2
FR27	Franklin	Armory Dr at College Dr	1	0	2	3	3	3	1	3	3	3
FR28	Franklin	Elm St at Main St	1	0	1	2	2	2	1	2	2	2
FR29	Franklin	Bowers Rd over Norfolk Southern Railroad	1	0	1	2	2	2	1	2	2	2
FR30	Franklin	High St over CSX Railroad	1	0	1	2	2	2	1	2	2	2
FR31	Franklin	Beaman St over Norfolk Southern Railroad	1	0	2	3	3	3	1	3	3	3
FR32	Franklin	South St	1	0	2	3	3	3	1	3	3	3
FR33	Franklin	2nd Ave	1	0	1	2	2	2	1	2	2	2
FR34	Franklin	College Dr	1	0	2	3	3	3	1	3	3	3
FR37	Franklin	High St	1	0	1	2	2	2	1	2	2	2
FR38	Franklin	Hunterdale Rd	0	0	1	2	2	2	0	2	2	2
FR39	Franklin	Pretlow St	1	0	2	3	3	3	1	3	3	3
FR40	Franklin	Pretlow St	1	0	2	3	3	3	1	3	3	3
FR41	Franklin	Pretlow St	1	0	2	3	3	3	1	3	3	3
FR42	Franklin	Andrew Ave Extension	0	0	1	2	2	2	0	2	2	2
FR43	Franklin	Council Dr	1	0	2	3	3	3	1	3	3	3
FR44	Franklin	Washington St Extension	1	0	2	3	3	3	1	3	3	3
FR47	Franklin	Clay St at College Dr	0	0	1	2	2	2	0	2	2	2
FR48	Franklin	College Dr	1	0	2	3	3	3	1	3	3	3
FR49	Franklin	High St	1	0	1	2	2	2	1	2	2	2
FR51	Franklin	Armory Dr	1	0	2	3	3	3	1	3	3	3
FR58	Franklin	2nd Ave	1	0	1	2	2	2	1	2	2	2
FR59	Franklin	Mechanic St	1	0	1	2	2	2	1	2	2	2
FR60	Franklin	South St	1	0	2	3	3	3	1	3	3	3
FR63	Franklin	Progress Parkway Extension	1	0	2	3	3	3	1	3	3	3
FR64	Franklin	Stewart Drive Extension	1	0	2	3	3	3	1	3	3	3
FR65	Franklin	Bailey Drive Extension	1	0	2	3	3	3	1	3	3	3
FR66	Franklin	Sachs Avenue Extension	1	0	2	3	3	3	1	3	3	3
FR67	Franklin	Progress Parkway Extension	1	0	2	3	3	3	1	3	3	3

Project ID	Locality	Project Name	Minority	LEP	Poverty	Female Head of Household	Households Receiving Food Stamps	Households Receiving Cash Public Assistance	Carless Households	Elderly	Disabled	Total Census Tracts
SH1	Southampton	General Thomas Hwy at US 58 Eastbound Exit	1	0	2	3	3	3	1	3	3	3
SH2	Southampton	General Thomas Hwy at US 58 Westbound Exit	1	0	2	3	3	3	1	3	3	3
SH3	Southampton	Woods Trail	0	0	1	2	2	2	0	2	2	2
SH4	Southampton	VA 687	0	0	1	2	2	2	0	2	2	2
SH6	Southampton	Plank Rd at VA 719	0	0	1	1	1	2	0	2	2	2
SH7A	Southampton	Plank Rd at VA 647	0	0	1	1	1	2	0	2	2	2
SH8A	Southampton	Plank Rd at VA 713	0	0	1	1	1	2	0	2	2	2
SH9	Southampton	Pretlow Rd at S Quay Rd	0	0	1	1	1	1	0	1	1	1
SH10	Southampton	Southampton Pkwy at VA 659	1	0	1	0	1	1	0	1	1	1
SH11	Southampton	Southampton Pkwy (VA 58)	2	0	3	1	3	2	0	3	3	3
SH12	Southampton	General Mahone Blvd	0	0	0	0	0	1	0	1	1	1
SH13	Southampton	VA 643	0	0	1	1	1	1	0	1	1	1
SH15	Southampton	Southampton Pkwy (US 58) at VA 650 / East End Courtland Bypass	0	0	1	1	1	1	0	1	1	1
SH18	Southampton	Little Texas Rd	2	0	2	0	2	1	0	2	2	2
SH19	Southampton	Little Texas Rd	2	0	2	0	2	1	0	2	2	2
SH20	Southampton	Pinopolis Rd	2	0	2	0	2	1	0	2	2	2
SH21	Southampton	Clarksbury Rd	2	0	2	0	2	1	0	2	2	2
SH22	Southampton	Statesville Rd	1	0	1	0	1	0	0	1	1	1
SH23	Southampton	Monroe Rd	1	0	1	0	1	0	0	1	1	1
SH24	Southampton	Delaware Rd	1	0	2	1	2	1	0	2	2	2
SH25	Southampton	Popes Station Rd	1	0	1	0	1	1	0	1	1	1
SH26	Southampton	Carys Bridge Rd	1	0	2	1	2	3	0	3	3	3
SH27	Southampton	The Rolfe Hwy	0	0	1	1	1	2	0	2	2	2
SH28	Southampton	The Rolfe Hwy	0	0	0	0	0	1	0	1	1	1
SH29	Southampton	Millfield Rd	0	0	0	0	0	1	0	1	1	1
SH30	Southampton	Seacock Chapel Rd	0	0	0	0	0	1	0	1	1	1
SH31	Southampton	Seacock Chapel Rd	0	0	0	0	0	1	0	1	1	1
SH32	Southampton	Governor Darden Rd	2	0	3	1	3	3	0	4	4	4
SH33	Southampton	Sycamore Rd	0	0	1	1	1	2	0	2	2	2
SH34	Southampton	Johnson Mill Rd	0	0	1	1	1	2	0	2	2	2
SH35	Southampton	Unity Rd	0	0	0	0	0	1	0	1	1	1
SH36	Southampton	Unity Rd	0	0	0	0	0	1	0	1	1	1
SH37	Southampton	Unity Rd	0	0	0	0	0	1	0	1	1	1
SH38	Southampton	Black Creek Rd	0	0	1	1	1	2	0	2	2	2
SH39	Southampton	Proctors Bridge Rd	0	0	0	0	0	1	0	1	1	1
SH40	Southampton	Proctors Bridge Rd	0	0	0	0	0	1	0	1	1	1
SH42	Southampton	VA 608 Over Raccoon Swamp Rd	1	0	1	0	1	1	0	1	1	1
SH43	Southampton	VA 635 Over N&W Railroad	0	0	0	0	0	1	0	1	1	1
SH45	Southampton	US 460 Expressway	0	0	0	0	0	1	0	1	1	1
SH46	Southampton	Southampton Pkwy at Main St	1	0	1	0	1	1	0	1	1	1
SH47	Southampton	Main St	1	0	1	0	1	1	0	1	1	1
SH49	Southampton	Main St	0	0	0	0	0	1	0	1	1	1
SH50	Southampton	Southampton Pkwy at US 58 BUS	0	0	1	1	1	1	0	1	1	1
SH59	Southampton	Smith Ferry Rd	1	0	2	1	2	1	0	2	2	2
SH60	Southampton	Smith Ferry Rd	1	0	2	3	3	3	1	3	3	3
SH61	Southampton	US 58 Corridor - Preferred Alternative	2	0	3	1	3	2	0	3	3	3
SH62	Southampton	Rte 308 Over Three Creek	2	0	1	0	1	1	0	2	2	2

Project ID	Locality	Project Name	Minority	LEP	Poverty	Female Head of Household	Households Receiving Food Stamps	Households Receiving Cash Public Assistance	Carless Households	Elderly	Disabled	Total Census Tracts
SH63	Southampton	General Thomas Hwy Over Nottoway River	1	0	2	1	2	1	0	2	2	2
SH64	Southampton	Brandy Pond Rd	2	0	1	0	1	1	0	2	2	2
SH66	Southampton	Rosemont Rd	0	0	1	1	1	2	0	2	2	2
SH67	Southampton	Guy Place Rd	0	0	1	1	1	2	0	2	2	2
SH68	Southampton	Buckhorn Quarter Rd	1	0	1	0	1	1	0	1	1	1
SH69	Southampton	Warrique Rd	0	0	0	0	0	1	0	1	1	1
SH70	Southampton	Rte 688 at CSX Railroad	0	0	1	2	2	2	0	2	2	2
SH72	Southampton	US 58 at Rte 742	1	0	2	1	2	1	0	2	2	2
SH73	Southampton	VA 35 Over Tarrara Creek	1	0	1	0	1	0	0	1	1	1
SH74	Southampton	S Main St (US 58 BUS)	2	0	3	1	3	2	0	3	3	3

EJ Impact Scores

The following table displays the “EJ Impact Score” for each 2040 RL RTP Candidate Project. A 1-mile impact extent was assigned to all of the projects. The assigned EJ impact score is based on how many of the 9 EJ communities were highly affected by the specific project. EJ impact scores range from a high of 9 to a low of 0.

Example:

Project ID	Locality	Project Name	Impact Score
SH1	Southampton	General Thomas Hwy at US 58 Eastbound Exit	6

Candidate Project SH1: General Thomas Hwy at US 58 Eastbound Exit has an impact score of 6. Based on the previous appendices we find that the following EJ communities are highly impacted

- Poverty
- Female Head of Household
- Households Receiving Food Stamps
- Households Receiving Cash Public Assistance
- Elderly
- Disabled



Project ID	Locality	Project Name	Impact Score
SH/FR 100	Multijurisdictional	US 58 Study	7
SH/FR 101	Multijurisdictional	US 58/258 Interchange	6
SH/FR 102	Multijurisdictional	Rail-to-Trail	7
FR2	Franklin	Country Club Rd at Hunterdale Rd	6
FR3	Franklin	Bailey Dr at Stewart Dr	6
FR4	Franklin	Fairview Dr	6
FR5	Franklin	Armory Dr	6
FR6	Franklin	Armory Dr	6
FR7	Franklin	2nd Ave at Armory Dr	8
FR8	Franklin	Mechanic St N at 4th Ave	8
FR9	Franklin	South St at Pretlow St	8
FR10	Franklin	Clay St at 4th Ave	8
FR11	Franklin	Hunterdale Rd at VA 687	6
FR12	Franklin	High St	6
FR13	Franklin	VA 687	6
FR14	Franklin	Pretlow St	8
FR15	Franklin	Pretlow St	8
FR16	Franklin	Pretlow St	6
FR17	Franklin	High St	8
FR21	Franklin	2nd Ave at Main St	8
FR23	Franklin	South St at College Dr	6
FR24	Franklin	Fairview Dr at High St	5
FR25	Franklin	2nd Ave at Mechanic St	8
FR26	Franklin	2nd Ave at High St	8
FR27	Franklin	Armory Dr at College Dr	6
FR28	Franklin	Elm St at Main St	8
FR29	Franklin	Bowers Rd over Norfolk Southern Railroad	8
FR30	Franklin	High St over CSX Railroad	8
FR31	Franklin	Beaman St over Norfolk Southern Railroad	6
FR32	Franklin	South St	6
FR33	Franklin	2nd Ave	8
FR34	Franklin	College Dr	6
FR37	Franklin	High St	8
FR38	Franklin	Hunterdale Rd	6
FR39	Franklin	Pretlow St	6

Project ID	Locality	Project Name	Impact Score
FR40	Franklin	Pretlow St	6
FR41	Franklin	Pretlow St	6
FR42	Franklin	Andrew Ave Extension	6
FR43	Franklin	Council Dr	6
FR44	Franklin	Washington St Extension	6
FR47	Franklin	Clay St at College Dr	6
FR48	Franklin	College Dr	6
FR49	Franklin	High St	8
FR51	Franklin	Armory Dr	6
FR58	Franklin	2nd Ave	8
FR59	Franklin	Mechanic St	8
FR60	Franklin	South St	6
FR63	Franklin	Progress Parkway Extension	6
FR64	Franklin	Stewart Drive Extension	6
FR65	Franklin	Bailey Drive Extension	6
FR66	Franklin	Sachs Avenue Extension	6
FR67	Franklin	Progress Parkway Extension	6

Project ID	Locality	Project Name	Impact Score
SH1	Southampton	General Thomas Hwy at US 58 Eastbound Exit	6
SH2	Southampton	General Thomas Hwy at US 58 Westbound Exit	6
SH3	Southampton	Woods Trail	6
SH4	Southampton	VA 687	6
SH6	Southampton	Plank Rd at VA 719	6
SH7A	Southampton	Plank Rd at VA 647	6
SH8A	Southampton	Plank Rd at VA 713	6
SH9	Southampton	Pretlow Rd at S Quay Rd	6
SH10	Southampton	Southampton Pkwy at VA 659	6
SH11	Southampton	Southampton Pkwy (VA 58)	6
SH12	Southampton	General Mahone Blvd	3
SH13	Southampton	VA 643	6
SH15	Southampton	Southampton Pkwy (US 58) at VA 650 / East End Courtland Bypass	6
SH18	Southampton	Little Texas Rd	6
SH19	Southampton	Little Texas Rd	6
SH20	Southampton	Pinopolis Rd	6
SH21	Southampton	Clarksbury Rd	6
SH22	Southampton	Statesville Rd	5
SH23	Southampton	Monroe Rd	5
SH24	Southampton	Delaware Rd	7
SH25	Southampton	Popes Station Rd	6
SH26	Southampton	Carys Bridge Rd	5
SH27	Southampton	The Rolfe Hwy	6
SH28	Southampton	The Rolfe Hwy	3
SH29	Southampton	Millfield Rd	3
SH30	Southampton	Seacock Chapel Rd	3
SH31	Southampton	Seacock Chapel Rd	3
SH32	Southampton	Governor Darden Rd	6
SH33	Southampton	Sycamore Rd	6
SH34	Southampton	Johnson Mill Rd	6
SH35	Southampton	Unity Rd	3
SH36	Southampton	Unity Rd	3
SH37	Southampton	Unity Rd	3
SH38	Southampton	Black Creek Rd	6

Project ID	Locality	Project Name	Impact Score
SH39	Southampton	Proctors Bridge Rd	3
SH40	Southampton	Proctors Bridge Rd	3
SH42	Southampton	VA 608 Over Raccoon Swamp Rd	6
SH43	Southampton	VA 635 Over N&W Railroad	3
SH45	Southampton	US 460 Expressway	3
SH46	Southampton	Southampton Pkwy at Main St	6
SH47	Southampton	Main St	6
SH49	Southampton	Main St	3
SH50	Southampton	Southampton Pkwy at US 58 BUS	6
SH59	Southampton	Smith Ferry Rd	7
SH60	Southampton	Smith Ferry Rd	6
SH61	Southampton	US 58 Corridor - Preferred Alternative	6
SH62	Southampton	Rte 308 Over Three Creek	6
SH63	Southampton	General Thomas Hwy Over Nottoway River	7
SH64	Southampton	Brandy Pond Rd	6
SH66	Southampton	Rosemont Rd	6
SH67	Southampton	Guy Place Rd	6
SH68	Southampton	Buckhorn Quarter Rd	6
SH69	Southampton	Warrique Rd	3
SH70	Southampton	Rte 688 at CSX Railroad	6
SH72	Southampton	US 58 at Rte 742	7
SH73	Southampton	VA 35 Over Tarrara Creek	5
SH74	Southampton	S Main St (US 58 BUS)	6

## APPENDIX B – SOCIOECONOMIC DATA



### TAZ Allocations for 2040 Rural Long-Range Transportation Plan Update

TAZ	Locality	Population		Households		Autos		Total Employment		Retail Employment		Non-Retail Employment	
		2009	2040	2009	2040	2009	2040	2009	2040	2009	2040	2009	2040
950	Franklin	902	578	152	137	252	296	298	352	9	10	289	342
951	Franklin	2	2	1	1	2	2	11	77	0	0	11	77
952	Franklin	431	541	183	239	442	478	0	0	0	0	0	0
953	Franklin	679	1,600	502	659	832	1,406	126	147	0	0	126	147
954	Franklin	0	0	0	0	0	0	506	599	196	231	310	368
955	Franklin	342	392	135	175	237	372	14	43	0	0	14	43
956	Franklin	1,209	1,143	519	506	1,253	998	131	157	26	39	105	118
957	Franklin	250	247	91	107	248	206	125	148	93	116	32	32
958	Franklin	39	76	12	16	21	34	52	169	6	22	46	147
959	Franklin	13	27	4	5	8	12	72	221	11	44	61	177
960	Franklin	3	4	1	2	3	4	125	382	15	51	110	331
961	Franklin	263	292	129	126	150	285	N/P	492	N/P	0	N/P	492
962	Franklin	0	0	0	0	0	0	168	515	74	222	94	293
963	Franklin	119	139	48	62	84	132	124	383	9	37	115	346
964	Franklin	0	0	0	0	0	0	205	620	10	37	195	583
965	Franklin	0	0	0	0	0	0	0	0	0	0	0	0
966	Franklin	0	0	0	0	0	0	0	0	0	0	0	0
967	Franklin	412	692	191	301	222	662	N/P	442	N/P	0	N/P	442
968	Franklin	60	104	34	44	96	85	148	449	35	110	113	339
969	Franklin	0	0	0	0	0	0	2,037	1,186	1,514	878	523	308
970	Franklin	166	178	62	81	71	180	N/P	102	N/P	0	N/P	102
971	Franklin	489	558	200	248	325	532	24	139	0	0	24	139
972	Franklin	1,225	1,615	435	656	1,169	1,296	N/P	1,256	N/P	25	N/P	1,231
973	Franklin	845	1,164	407	504	660	1,081	18	107	0	0	18	107
974	Franklin	321	445	150	193	453	366	26	137	0	0	26	137
975	Franklin	2	10	6	4	16	6	2	24	0	0	2	24
976	Franklin	25	22	9	9	25	17	100	93	47	16	53	77
977	Franklin	221	235	103	101	260	198	25	17	4	12	21	5
978	Franklin	2	80	6	33	14	70	2	82	0	0	2	82
979	Franklin	170	447	67	197	205	396	4	161	4	81	0	81
980	Franklin	175	207	70	93	176	183	0	0	0	0	0	0
Totals		8,365	10,798	3,517	4,499	7,224	9,297	4,343	8,500	2,053	1,931	2,290	6,570

Note: N/P, not available due to confidentiality agreement with the Virginia Employment Commission

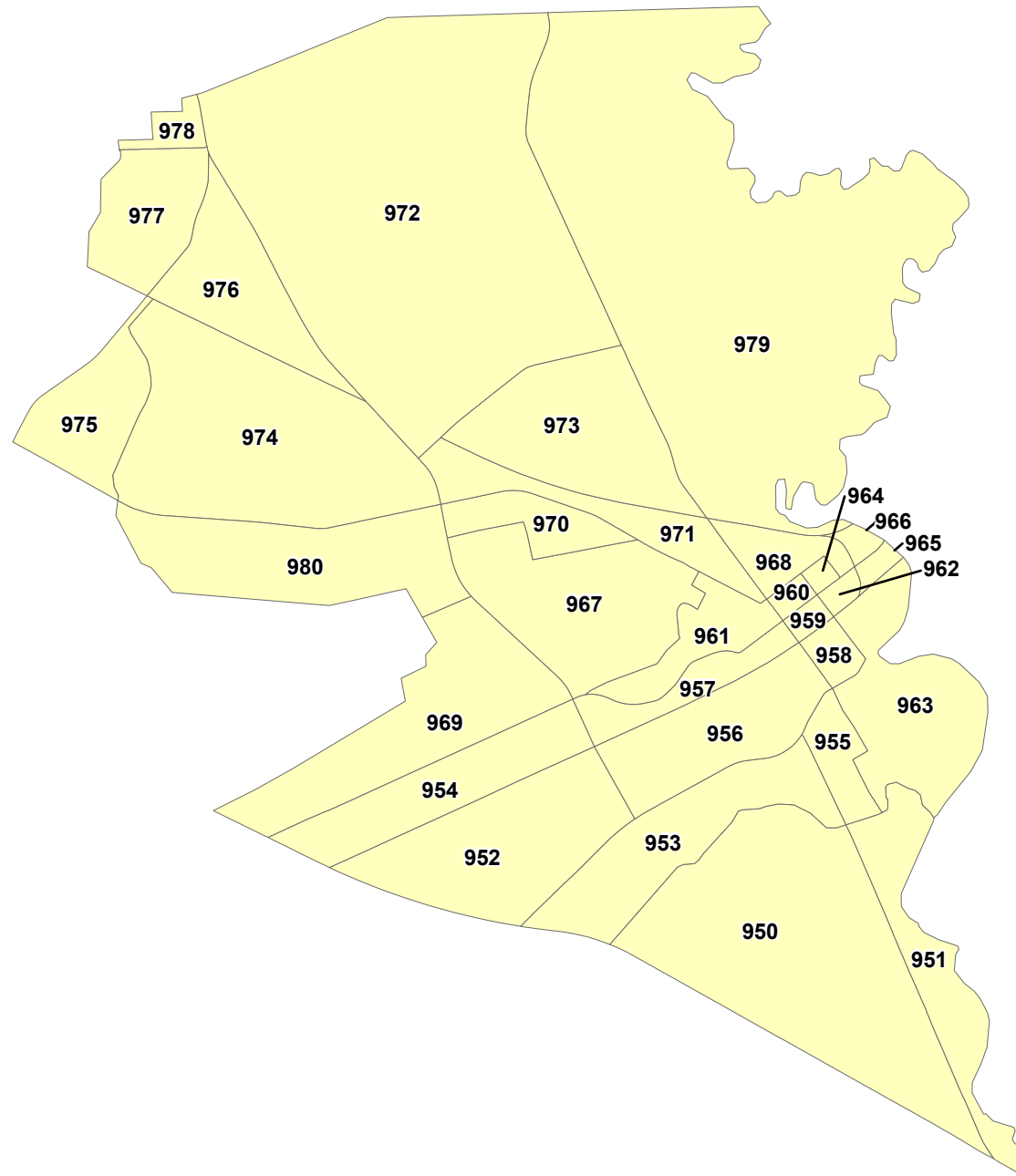
### TAZ Allocations for 2040 Rural Long-Range Transportation Plan Update

TAZ	Locality	Population		Households		Autos		Total Employment		Retail Employment		Non-Retail	
		2009	2040	2009	2040	2009	2040	2009	2040	2009	2040	2009	2040
87	Southampton	564	798	183	268	393	666	N/P	222	N/P	87	N/P	135
88	Southampton	282	398	90	130	194	327	73	106	10	14	63	92
89	Southampton	205	288	67	98	145	243	54	78	0	0	54	78
90	Southampton	128	181	42	60	92	152	37	54	15	21	22	33
91	Southampton	410	579	132	192	283	478	110	160	52	76	58	84
92	Southampton	308	434	100	146	215	364	N/P	121	N/P	26	N/P	95
93	Southampton	231	324	79	115	168	284	N/P	86	N/P	0	N/P	86
94	Southampton	410	579	133	194	286	483	N/P	155	N/P	4	N/P	151
95	Southampton	51	72	17	24	36	60	N/P	19	N/P	7	N/P	12
96	Southampton	379	501	104	141	213	334	N/P	287	N/P	7	N/P	280
97	Southampton	711	990	198	284	334	552	578	830	43	63	535	767
98	Southampton	294	390	81	110	166	263	154	221	0	0	154	221
99	Southampton	1,101	1,586	316	469	517	886	N/P	649	N/P	366	N/P	283
100	Southampton	185	256	53	75	91	147	151	217	53	76	98	141
101	Southampton	435	577	123	168	254	397	230	329	73	104	157	225
102	Southampton	1,356	1,962	393	586	728	1,253	248	355	31	44	217	311
104	Southampton	148	206	61	87	131	217	54	78	12	17	42	61
105	Southampton	1,163	1,614	435	622	889	1,467	523	759	245	355	278	404
106	Southampton	191	253	62	86	111	175	N/P	201	N/P	0	N/P	201
107	Southampton	167	219	55	73	97	152	124	180	40	57	84	123
108	Southampton	581	713	190	241	313	456	423	612	173	250	250	362
109	Southampton	794	1,076	259	361	483	774	N/P	799	N/P	233	N/P	566
110	Southampton	1,336	1,774	500	681	978	1,538	N/P	977	N/P	506	N/P	471
111	Southampton	605	813	270	374	584	939	202	294	84	122	118	172
112	Southampton	278	394	135	195	343	574	52	76	21	30	31	46
113	Southampton	569	700	184	234	305	445	286	411	14	20	272	391
114	Southampton	300	365	98	125	160	233	N/P	308	N/P	16	N/P	292
115	Southampton	52	71	24	34	57	94	15	21	0	0	15	21
116	Southampton	579	813	248	363	597	1,012	138	200	7	10	131	190
117	Southampton	398	549	138	196	339	557	209	304	0	0	209	304
118	Southampton	359	500	140	201	331	547	120	174	0	0	120	174
119	Southampton	227	315	78	110	189	309	N/P	174	N/P	0	N/P	174
120	Southampton	624	875	303	436	728	1,207	129	187	18	26	111	161
121	Southampton	607	847	238	341	557	921	194	282	26	37	168	245
122	Southampton	757	1,054	293	420	688	1,138	N/P	365	N/P	94	N/P	271
123	Southampton	1,350	1,904	677	984	1,694	2,837	233	339	34	49	199	290
124	Southampton	185	263	93	135	240	403	24	34	2	3	22	31
125	Southampton	185	263	95	139	246	415	27	38	0	0	27	38
<b>Totals</b>		18,505	25,496	6,687	9,498	14,175	23,299	4,388	10,702	953	2,722	3,435	7,980

Note: N/P, not available due to confidentiality agreement with the Virginia Employment Commission

## APPENDIX C – TRANSPORTATION ANALYSIS ZONE (TAZ) MAPS

# City of Franklin TAZs



# Southampton County TAZs

