

# SILVER STAR RD

COMPLETE STREETS STUDY



## Silver Star Road

Complete Streets & Concept Development

### PLANNING CONTEXT SUMMARY REPORT

May 7, 2018



metroplan orlando

A REGIONAL TRANSPORTATION PARTNERSHIP

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# Introduction

MetroPlan Orlando envisions a regional transportation system that safely and efficiently moves people and goods through a variety of options that support the region’s vitality. In 2015, MetroPlan Orlando convened a Complete Streets Task Force to develop a Complete Streets policy that would guide the implementation of MetroPlan Orlando’s vision for Central Florida.

The Silver Star Road Complete Streets Study provides an ideal opportunity to show that the Complete Streets approach to transportation planning integrates streets that are safe for people of all ages and abilities, balance the needs of different modes, and support local land uses, economies, cultures, and natural environments.

“Complete Streets are planned, designed, constructed, operated, and maintained to safely and comfortably accommodate people of all ages and abilities, including pedestrians, cyclists, transit users, motorists, and freight and service operators.”



Silver Star Road at Circle Key Drive (looking east)

## Background

### Downtown Ocoee Master Plan

A six month community driven planning effort involving a group of residents, property owners, and business representatives resulted in the development of the Downtown Ocoee Master Plan (<http://www.ocoe.org/807/Downtown-Master-Plan>). The master plan envisions a transformation of this uniquely placed hub into a more walkable, dynamic, live-work-shop-play urban center and vibrant gateway to West Orange County.

The most dominant issue in Ocoee’s downtown is the disjointed roadway network. In particular, Franklin/Plant Street and Silver Star Road do not directly connect creating a scenario where SR 429 acts as a barrier to east-west connections. Improvements to Silver Star Road is a major component of the long-range vision for Downtown Ocoee. The Master Plan considered the

removal of the two-block offset at Ocoee Apopka Road by realigning Silver Star Road and relocating the Franklin Street intersection further west to connect with the extended Oakland Avenue. This realignment is no longer feasible due to recent development approvals south of Franklin Street and west of Ocoee Apopka Road. MetroPlan’s Complete Street Study will help refine the vision for the Silver Star Road corridor as it relates to providing an east-west connection through the City of Ocoee.



Downtown Ocoee Master Plan

In addition to the Silver Star Road realignment and following the objectives of the master plan to make the urban center more walkable and dynamic, the City of Ocoee has approved various plans which help move the City towards the implementation of the Master Plan.

**Lakefront Park Improvements** - Improvements to Lakefront Park are planned to provide separate event spaces tailored to specific uses while supporting larger events across multiple venues.

**Bluford Avenue Reconstruction** - Current project to provide an improved streetscape on Bluford Avenue to support adjacent higher density development

**City Hall Relocation** - City hall is being relocated to the northeast corner of Bluford Avenue and McKey Street.

**Oakland Ave Reconstruction** - The project will provide an improved streetscape on Oakland Ave from Taylor Road to Lakeshore drive.

**McKey Street Reconstruction** - The project will bring McKey Street from Bluford Ave to Lakeshore up to the construction design standards used on the reconstructed Bluford Avenue.

**Taylor Street / Kissimmee Avenue with Trail** - This project will continue the West Orange Trail Connector from Oakland Avenue to Franklin Street. Kissimmee Avenue will be relocated away from the railroad tracks. This project also construct the final segment of the West Orange Trail Connector along Franklin Street between the SR 429 interchange and Taylor Street.

## Regional Mobility

The area surrounding Silver Star Road is of great importance in supporting businesses whose operations include a major role for the movement of goods on the regional transportation system<sup>1</sup>. The MetroPlan Orlando 2040 Long Range Transportation Plan (LRTP) classifies Silver Star Road as a Regional Freight Corridor. The LRTP identified the corridor needing four (4) lanes by the year 2040; however the segment to the east is potentially physically and environmentally constrained. By definition, constrained roads are those that

<sup>1</sup> Central Florida Regional Freight Mobility Study <https://metroplanorlando.org/wp-content/uploads/regional-freight-study-2013-final-report.pdf>

cannot be expanded as necessary to alleviate congestion due to either physical or policy limitation, environmental concerns or other factors. Given the constraint to the east, the need is to examine the corridor as a context sensitive non-capacity improvement that is designed to improve traffic flow without adding lanes.<sup>2</sup>

## Study Objectives

Beyond the adequacy of Silver Star Road in serving future traffic growth and land development, it is important to consider the ability to travel within as well as to and from the study area via other modes of transportation. Giving priority to walking, bicycling and public transit will reflect greatly on the character of this urban area and its quality of life. Creating safe, convenient and pleasant opportunities for walking and bicycling sends a strong signal that Ocoee is a desirable and attractive place to live, work and play.

The study area encompasses East of E. Crown Point Road, West of Starke Lake, North of McKey Street, and South of N Circle Key Drive, as shown in **Figure 1**. This corridor study will help move forward the planned improvements for Silver Star Road by refining the Silver Star Road corridor as it relates to SR 429 movements and the Ocoee Downtown Master Plan.

- *Enhance multi-modal connectivity and accessibility*
- *Create a safe and supportive environment for walking and biking*
- *Support the Vision and Plan of the Downtown Master Plan*
- *Identify strategies for improved transit service*
- *Develop a set of implementable improvements in the study area that can be designed and constructed*

<sup>2</sup> Orlando Urban Area FY2022/23 – 2039/40 Prioritized Project List. July 2017. <https://metroplanorlando.org/wp-content/uploads/PPL-2223-Final.pdf>

Figure 1. Study Area





 Ocoee
  Unincorporated
  

 Winter Garden
  FCEN Railroad
Source: FGDL; Orange County

**Silver Star Road Complete Streets & Concept Development Study Area**  
 MetroPlan Orlando

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## Community Characteristics

The study area is situated within the jurisdiction of the City of Ocoee. It is directly adjacent to the City of Winter Garden, which is located immediately west to the study area, as shown below.



## Existing Land Use

The existing development character of the study area is illustrated in **Figure 2**. As shown, the majority of the land within the study area is split between commercial/office, residential, low density/medium density residential, and light industrial. The study area comprises two distinct zones, a commercial and office area centered on Silver Star Road and Ocoee Apopka Road and a primarily residential area with some public facilities east of Bluford Avenue.

As shown in **Figure 3**, land values immediately along the Silver Star Road corridor are relatively higher than those away from the corridor. Land values can help give an indication of where and what types of development are most likely to occur. Higher intensity uses are more likely to develop in areas of high land values.

## Future Land Use

The future development patterns for the study area are illustrated in **Figure 4**. The primary differences between the existing zoning and the future land zoning can be broken into the following:

- 1) Changing Residential to Commercial along Silver Star Road and Ocoee Apopka Road
- 2) Light Industrial south of Franklin Street
- 3) Changing Light Industrial to Heavy Industrial west of Kissimmee Avenue
- 4) No Vacant Land or Agricultural
- 5) New Conservation/Floodplains

## Context Zones

Evaluation of nearby land use allocation is required to establish the correct context of a roadway project. Four roadway segments have been identified for context classification:

- *Franklin Street (SR 429 to Taylor Street)*
- *Silver Star Road (Bowness Avenue to Lakewood Avenue)*
- *Ocoee Apopka Road (Franklin Street to Silver Star Road)*
- *Bowness Avenue (Franklin Street to Silver Star Road)*
- *Taylor Street (Franklin Street to Silver Star Road)*

It is anticipated that each of these roadway segments can be classified as C4 Urban General zones. The FDOT definition of a C4 Urban General context zone is as follows:



*Mix of uses set within small blocks with a well-connected roadway network. May extend long distances. The roadway network usually connects to residential neighborhoods immediately along the corridor or behind the uses fronting the roadway.*

Figure 2. Existing Land Use

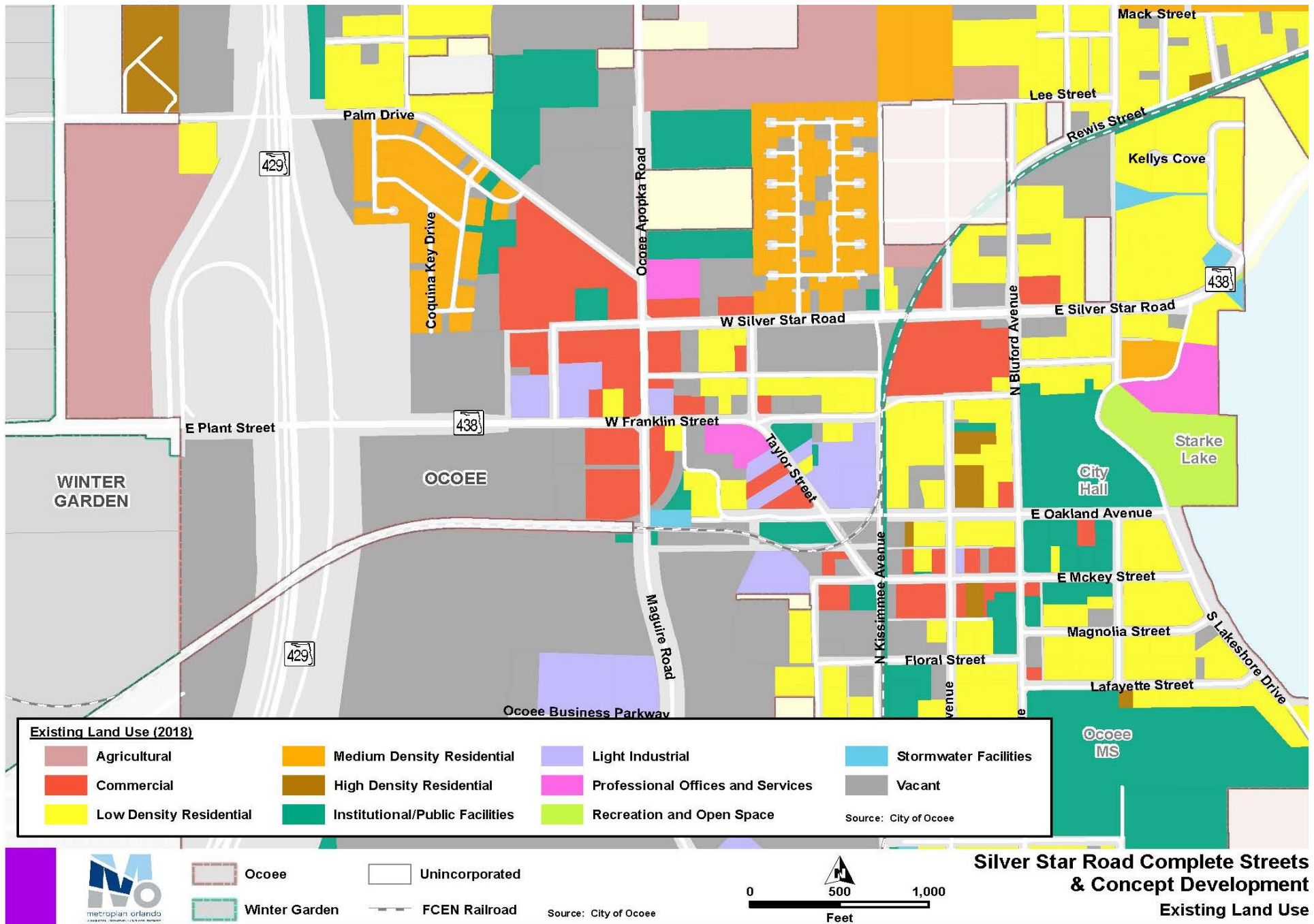


Figure 3. Land Values

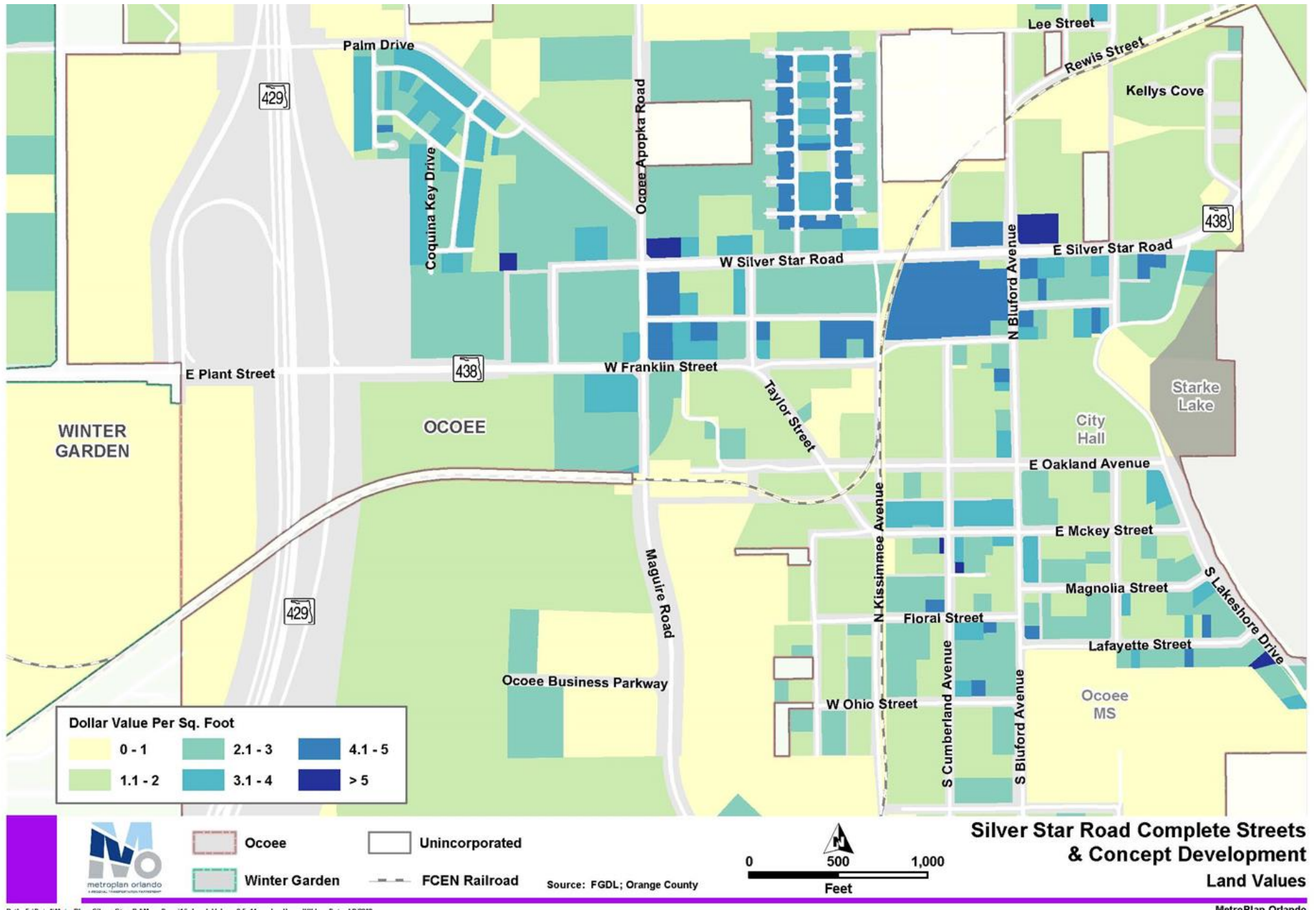
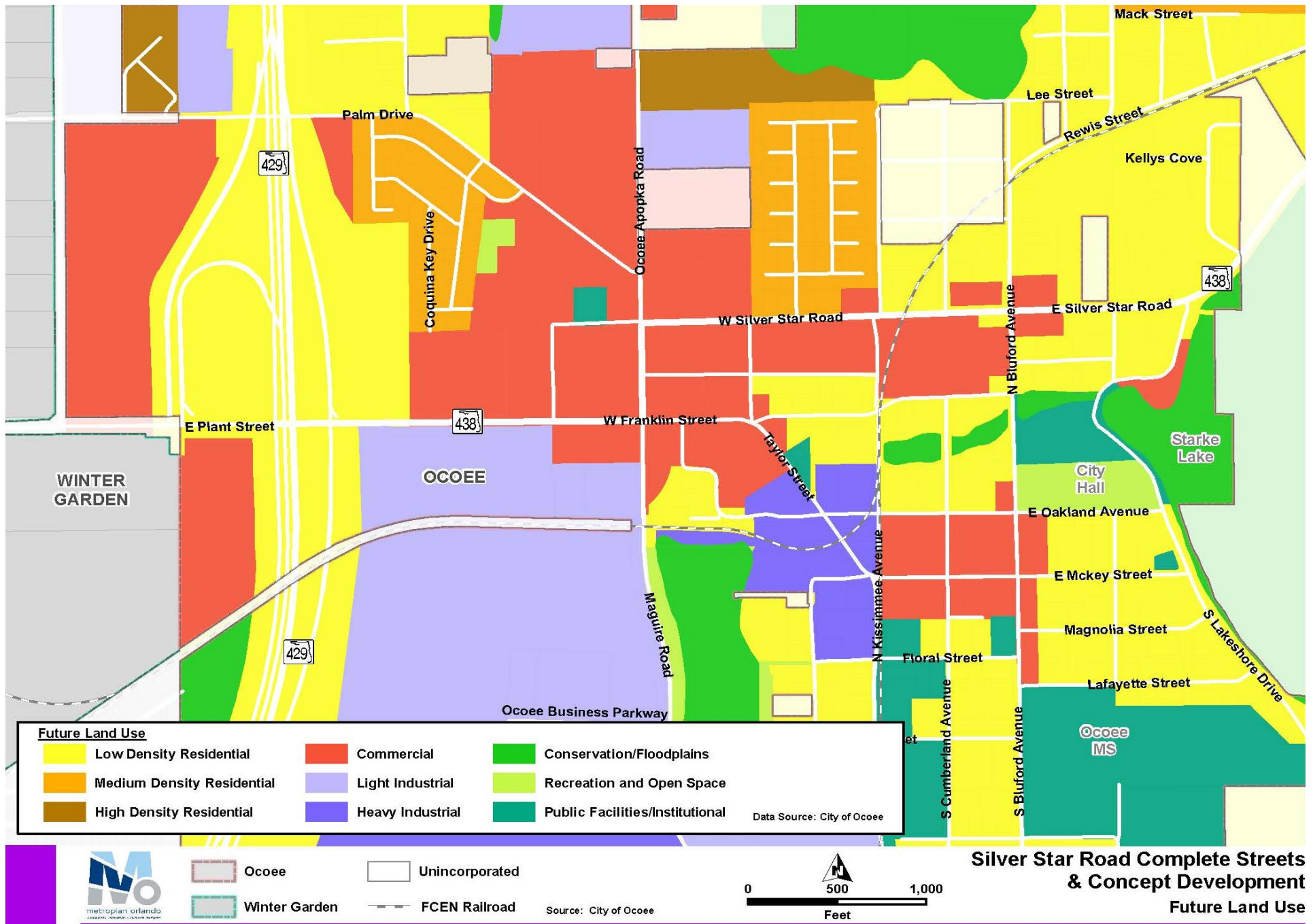


Figure 4. Future Land Use



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## Land Use Policies and Land Development Regulations

To encourage the most appropriate use of land throughout the community, the City of Ocoee has been divided into zoning districts based on the character and suitability for particular uses. The established zoning districts include agricultural, residential, commercial, industrial, and Planned Unit Development (PUD) districts. Special Overlay Areas were created to facilitate unique development activities.

Special Overlay Areas within the study area include:

- *Interchange Impact Area - sector where the Western Beltway intersects with Franklin Street*
- *Downtown Redevelopment Area – created to attract reinvestment in the downtown area of Ocoee*

## Future Development Plans

The City of Ocoee has grown to become the third largest city in Orange County. The City is continuing on its path of new growth with the addition of the various developments that are currently under construction and located mostly on undeveloped areas, north of the study area.

## Schools and Churches

There are six (6) schools near the project area. The school enrollment density (number of students per acre of census tract) is 0.1 to 0.5. East of the project area is a school enrollment density of 0.6 to 1.5.

There are nine (9) churches within and near the project area.

## Environmental Characteristics

To determine potential constraints and opportunities within the study area, a planning level scan of environmental characteristics was performed. **Appendix A** includes the FDOT Efficient Transportation Decision Making (ETDM) screening for potential environmental effects findings.

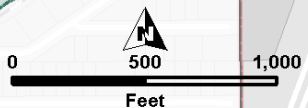


## Physical Environment

A contamination screening of the study area, along Silver Star Road and its surrounding infrastructure, helped determine the potential for contamination from adjacent facilities, sites, or places. The screening identified 43 potential contamination sites associated with the following categories. **Figure 5** shows relevant sites to the study.

- *Railroad*
- *Dry Cleaners*
- *Gas Stations / Petroleum Contamination Monitoring Sites*
- *Solid Waste Facilities*
- *Storage Tank Contamination Monitoring Sites*
- *Super Act Risk Sources*
- *US EPA Resource Conservation and Recovery Act Regulated Facilities*

Figure 5. Relevant Potential Contaminated Sites



	Ocoee	Unincorporated	Contaminated Site
	Winter Garden	FCEN Railroad	Source: FGDL; Orange County

**Silver Star Road Complete Streets & Concept Development Contaminated Sites**

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## Air Quality

Air quality is determined by the level of pollutants in the air. The study area is located within Orange County which has been designated as an attainment area under the Clean Air Act, indicating that measured concentrations of air pollutants do not exceed the National Ambient Air Quality Standards (NAAQS).

Air quality is affected by the types and amount of pollutants released into the air. Any form of burning, also known as combustion, can lead to particle pollution. Other sources of pollution include all mobile vehicles, especially those with diesel engines, road dust, certain industries, furnaces, and tobacco smoke. Air pollution can be reduced by reducing the amount of particulate matter produced through smoke, and by reducing vehicle emissions.

## Cultural Environment

Bill Breeze Park is the sole recreation area within the study area. The park is located on the western shores of Starke Lake. This resource is protected under Section 4(f) of the Department of Transportation Act of 1966, which prohibits the use of land for transportation projects unless there is no feasible and prudent alternative to that use.

The National Register of Historic Places (NRHP) identifies a railroad and two historic structures – the Withers-Maguire House and the Woman’s Club of Ocoee. There are also 89 sites with pre-1970 construction dates that could be subjected to a Cultural Resources Assessment Survey in future phases of project development. A map of the historic and archaeological locations is provided in **Figure 6**.

## Natural Environment

There are nearly 11 acres (5%) of wetlands within the study area (see **Figure 7**). The study area is located within the Florida Scrub-jay Service Area and Woodstork Core Foraging Areas.

A Soils Map is shown in **Figure 8**. Hydrologic soil groups are based on estimates of runoff potential. Soils are classified according to the rate of water infiltration when soils are not protected by vegetation, are thoroughly wet, and

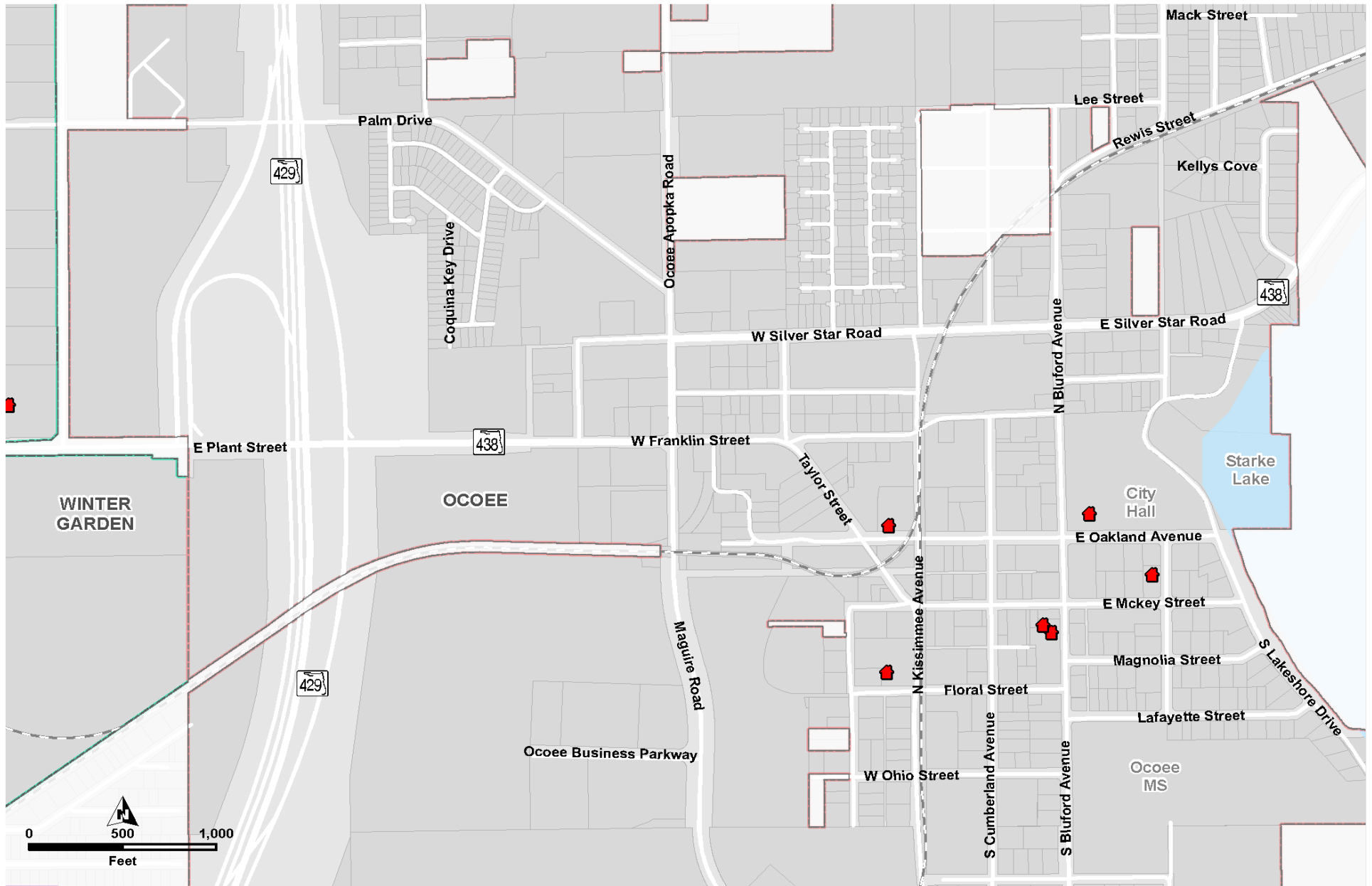
receive precipitation from long-duration storms. The study area soil is mainly classified as A, C/D and A/D. Soil Type A is characterized for having a high infiltration rate, Type C soils have a slow infiltration rate, and Type D soils have a very slow infiltration rate. For soils assigned to a dual hydrologic group (C/D, A/D or B/D), the first letter is for drained areas and the second letter is for undrained areas.

## Regional Drainage Patterns

The study area is within the St. Johns River Water Management District jurisdictional limits. As growth occurs in the City of Ocoee, the need for protection and management of the areas water resources also increases. Regional stormwater ponds are important to achieve the maximum pollutant removal of nutrients to the City’s water bodies. A regional pond approach is an efficient way to approach stormwater and helps facilitate redevelopment. Planned improvements to stormwater treatment and attenuation include a new stormwater pond located south of Franklin Street, between the FCEN railroad and Bluford Avenue. See **Figure 7** for basin and floodplain delineation.



Figure 6. Historic Places

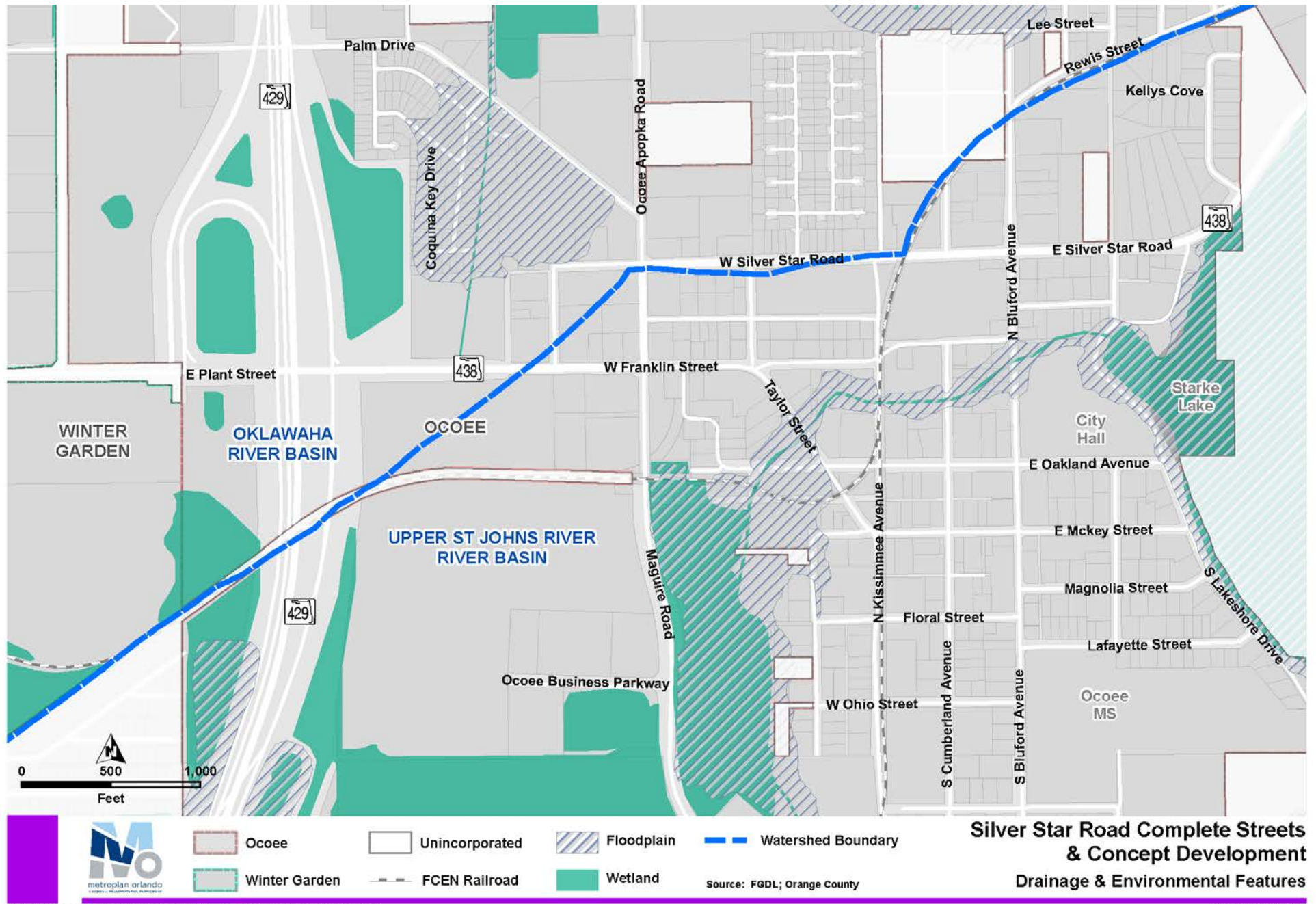


	Ocoee	Unincorporated	Historic Structure
	Winter Garden	FCEN Railroad	Source: FGDL; Orange County; NRHP

**Silver Star Road Complete Streets & Concept Development**  
**Historic Places Eligible or Recommended for NRHP**

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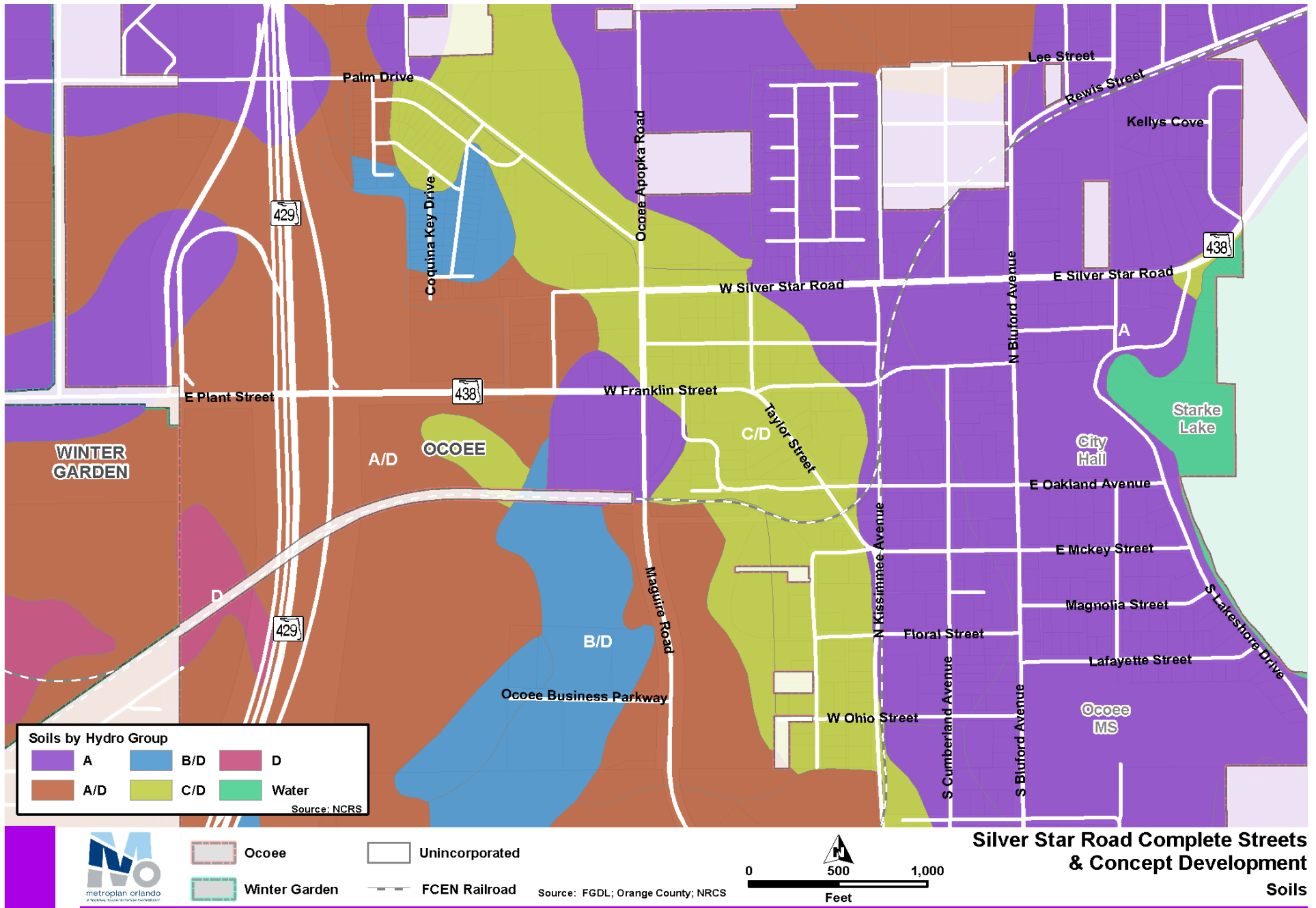
Figure 7. Drainage and Environmental Features



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Figure 8. Soils Map



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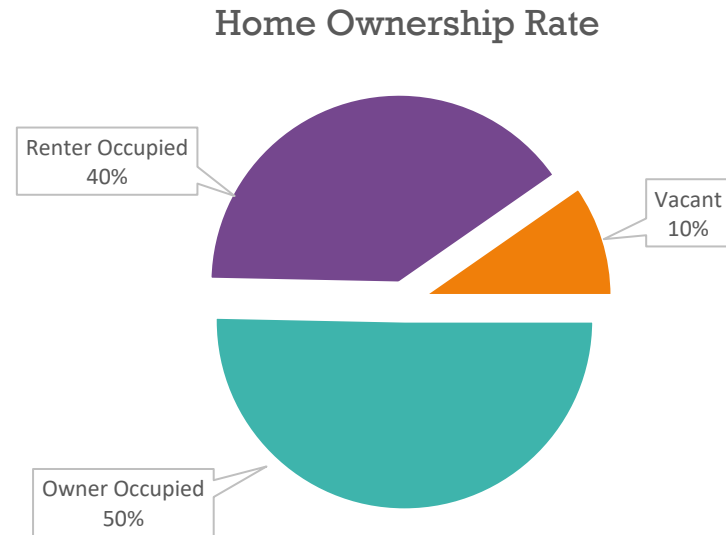
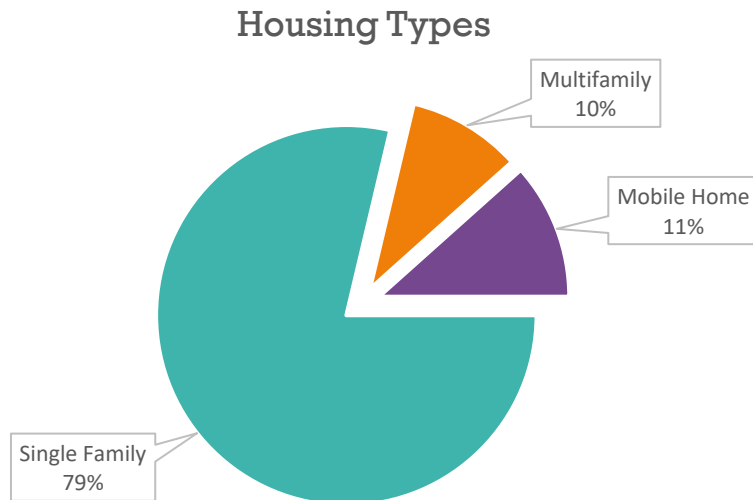
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## Social and Economic Environment

The make-up and demographics of the community provide insight into the area's transportation needs. The study area has a large presence of underserved populations based on several factors that are typical indicators of disadvantaged groups, including population below poverty, elderly population, and minorities (see **Figure 9** for Population Density by Ethnicity). According to the 2011-2015 American Community Survey (ACS), the median household income is \$29,808 and several households are below poverty level (30.7%) with approximately 3% households receiving public assistance (see **Figure 10** for a map of Households below Poverty Level). Persons age 65 and over comprise 16% of the population and minority population makes up approximately 54% of the total population in the study area.

A composite indicator of underserved populations was calculated and mapped and is shown in **Figure 11**. The composite number is a combination of population below poverty, zero-vehicle households, minorities, population under 18 and over the age of 65, as well as population with limited English proficiency. All of the demographic maps show a larger portion of the region in order to provide context of how the study area relates to the region.

There are 155 housing units within the study area. The distribution of housing types shows that nearly 80% of the housing units is associated with single family homes while multifamily development comprise only 10% of the housing distribution as reported in the 2011-2015 ACS. About half of the housing units within the study area are owner-occupied while 40% are rental units and only 10% are vacant.



Employment within the study area is mostly associated with local businesses. There are no major employers in the study area; however the industrial park, SYSCO, and the Florida Auto Auction are located south of the study area. Growth in industrial employment, which comprises about 20% of anticipated employment growth to 2020 in the City of Ocoee, is expected to be concentrated in the industrial area west of Kissimmee Avenue and Maguire Road, bounded by Franklin Street and SR 50<sup>3</sup>. See **Figure 12** for Employment Density.



*Incomplete streets hinder economic growth and can result in lost business, lower productivity, and higher employee turnover. Creating infrastructure for non-motorized transportation and lowering automobile speeds by changing road conditions can improve economic conditions for both business owners and residents*



*Local Businesses on Ocoee Apopka Road at Silver Star Road*

## Health Profile

When streets are designed only for cars, they deny people the opportunity to choose more active ways to get around, such as walking and biking. Even where sidewalks exist in the study area, existing conditions may make walking unpleasant or unsafe. Complete Streets provide opportunities for increased physical activity by incorporating features that promote regular walking, cycling and transit use. The Center for Disease Control and Prevention (CDC) Foundation provides health data summarized by the following indicators for residents in Orange County:

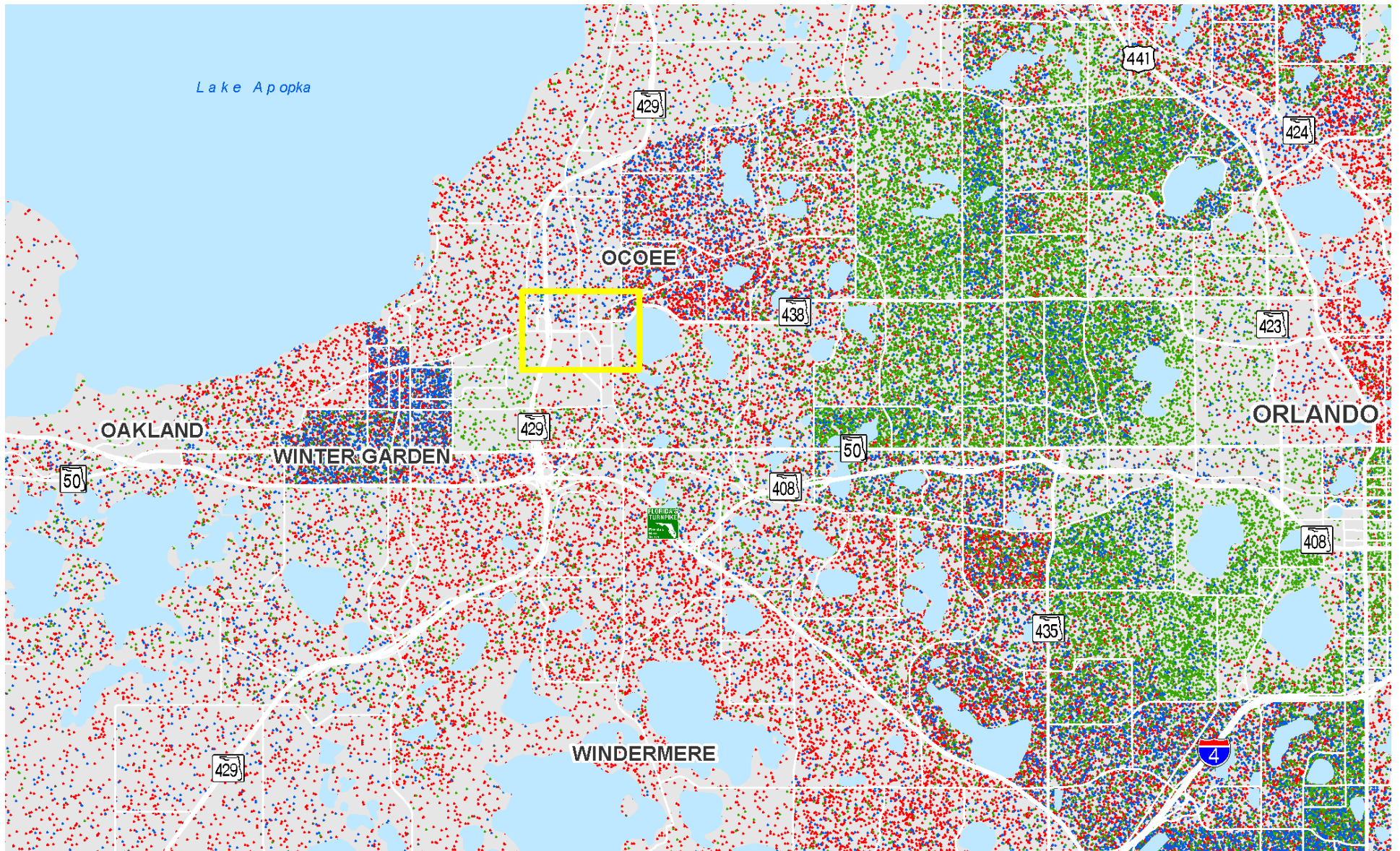
- 28% are obese
- 75% report no physical activity for at least 20 minutes, 3 or more days per week
- 16% self-report as binge drinkers





*Pedestrian on Ocoee Apopka Road*

<sup>3</sup> City of Ocoee Comprehensive Plan, Transportation Element.  
<https://www.ocoee.org/DocumentCenter/View/429/Transportation-Element-PDF>


Figure 9. Population Density by Ethnicity




**Population Density**  
 Person Per Acre  
 One Dot = 10 Persons

- White
- Black
- Hispanic
- Other
-  Study Area

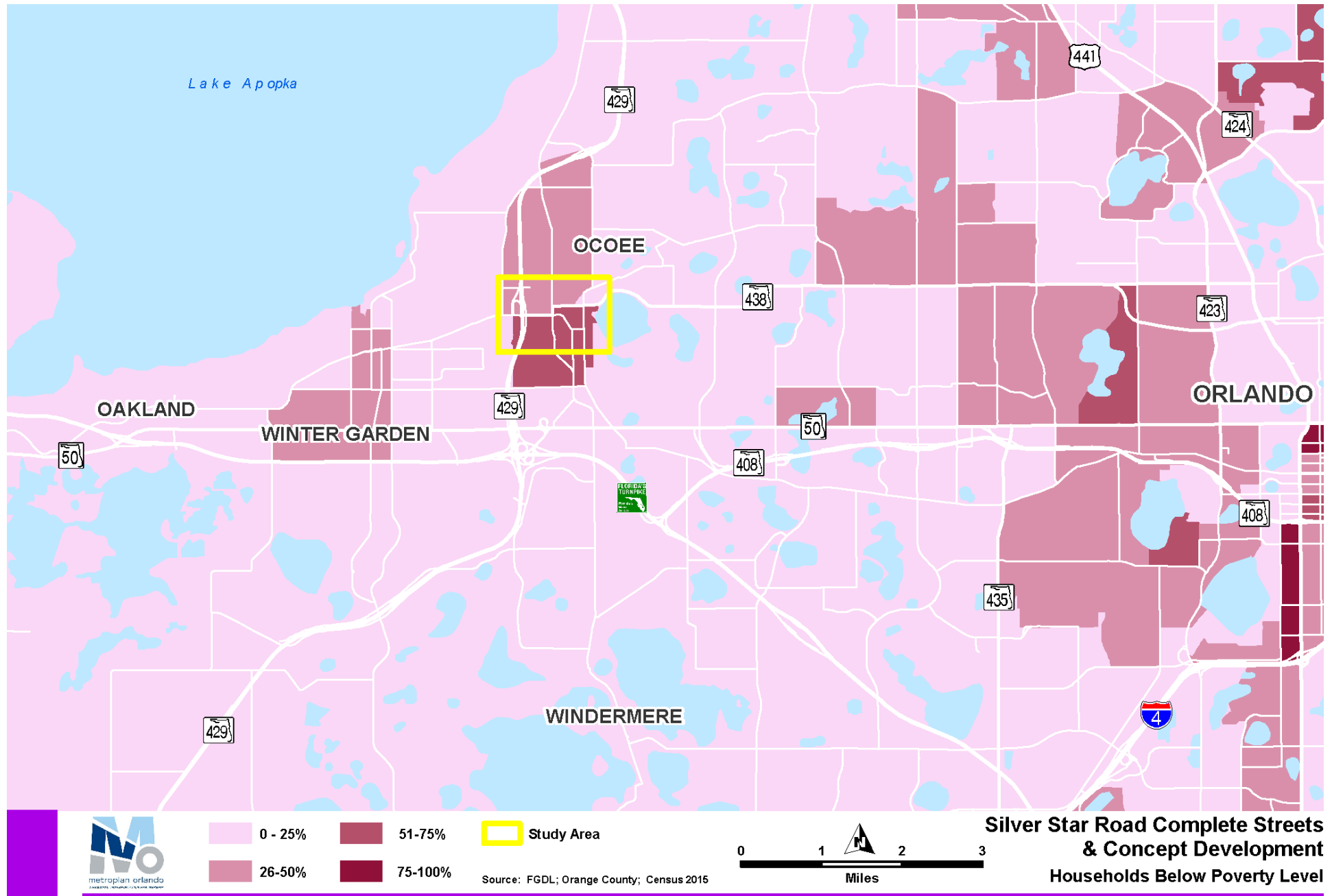
Source: FGDL; Orange County; Census 2015



**Silver Star Road Complete Streets & Concept Development**  
**Population by Ethnic Group**

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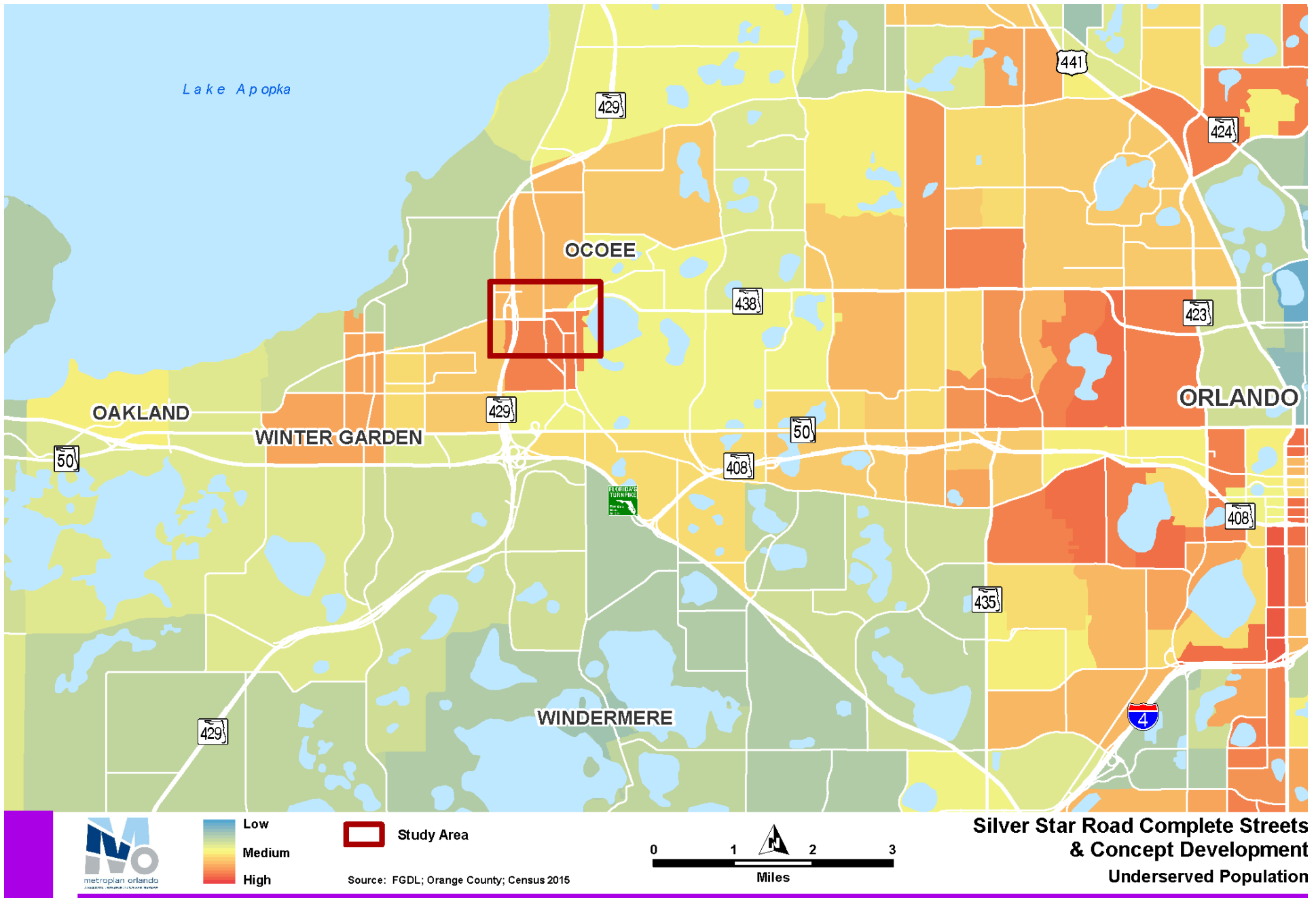
Figure 10. Households below Poverty Level



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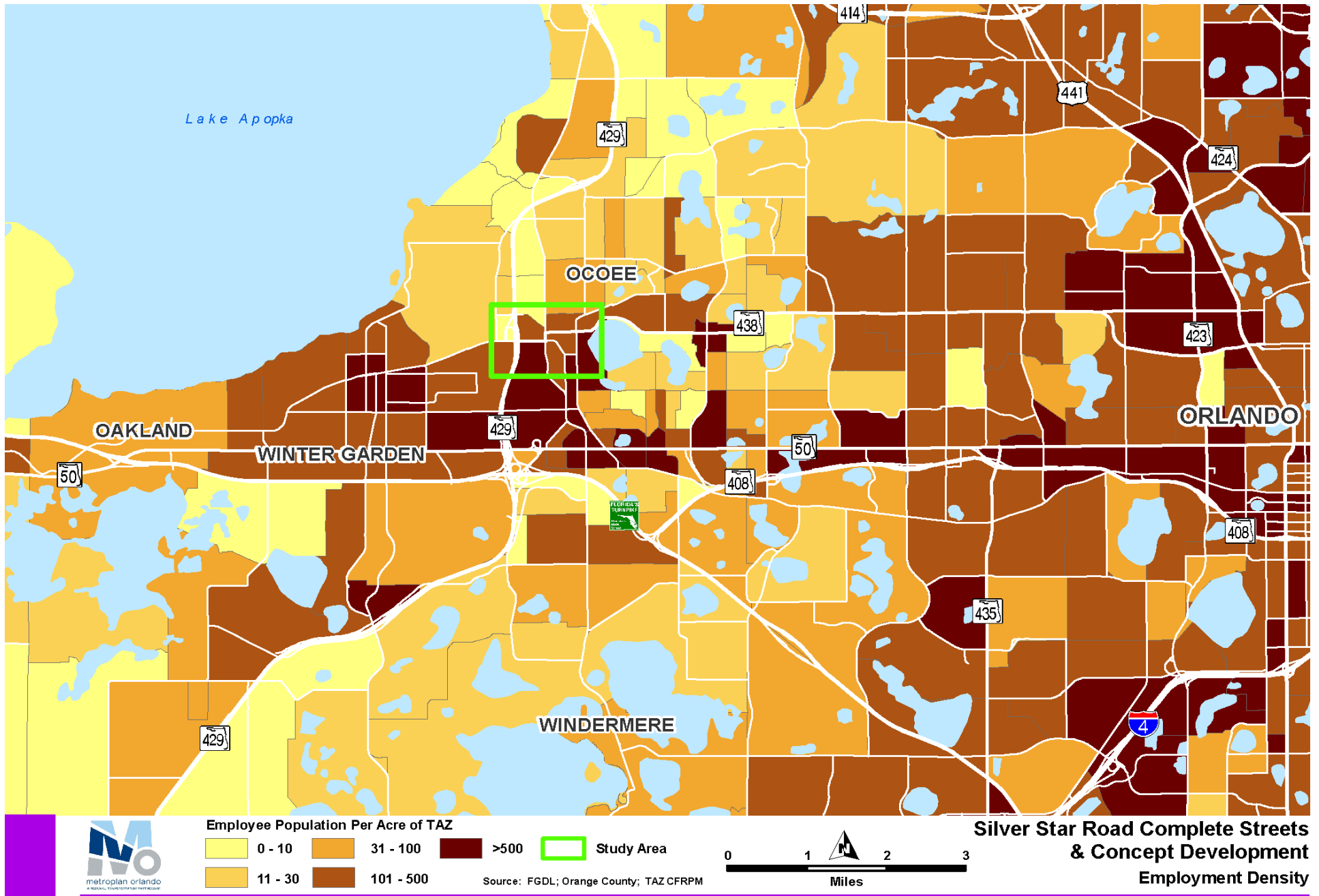
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Figure 11. Underserved Populations



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Figure 12. Employment Density



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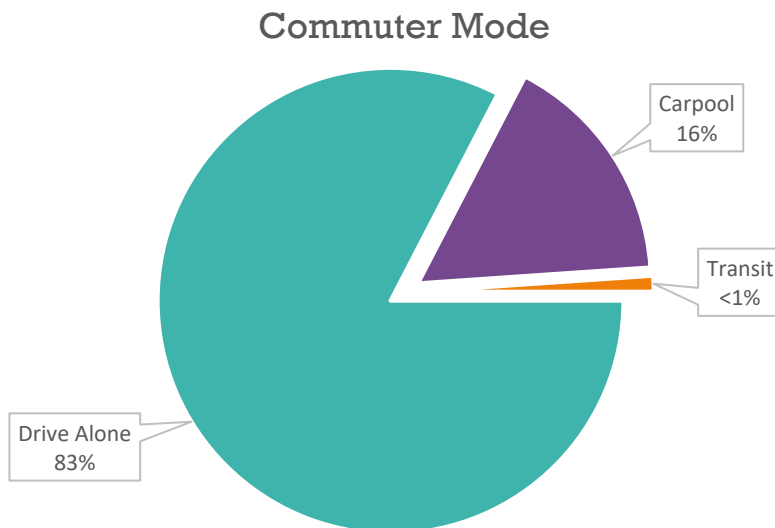
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# Travel Characteristics

To gain a better understanding of the travel characteristics and overall travel patterns within the study area, it is important to develop an understanding of how the key land uses interact to determine ways to support this with a multimodal approach.

## Commute Patterns

Commuters in Ocoee are more inclined to rely on the automobile by either driving alone or carpooling to get to work than commuters elsewhere in the region due, in significant part, to the lack of comfortable and continuous infrastructure for other modes of travel along with the relative low density development in the area. The Commuter Mode is shown in the chart below, based on the 2011-2015 American Community Survey.



Work trip patterns indicate that employees commuting to places of employment within the study area generally reside in Ocoee, Winter Garden and Clermont, as shown in **Figure 13**. Work trip patterns also indicate that residents within the study area generally commute to major employment locations south and southeast of the study area (**Figure 14**).

## Transit Routes

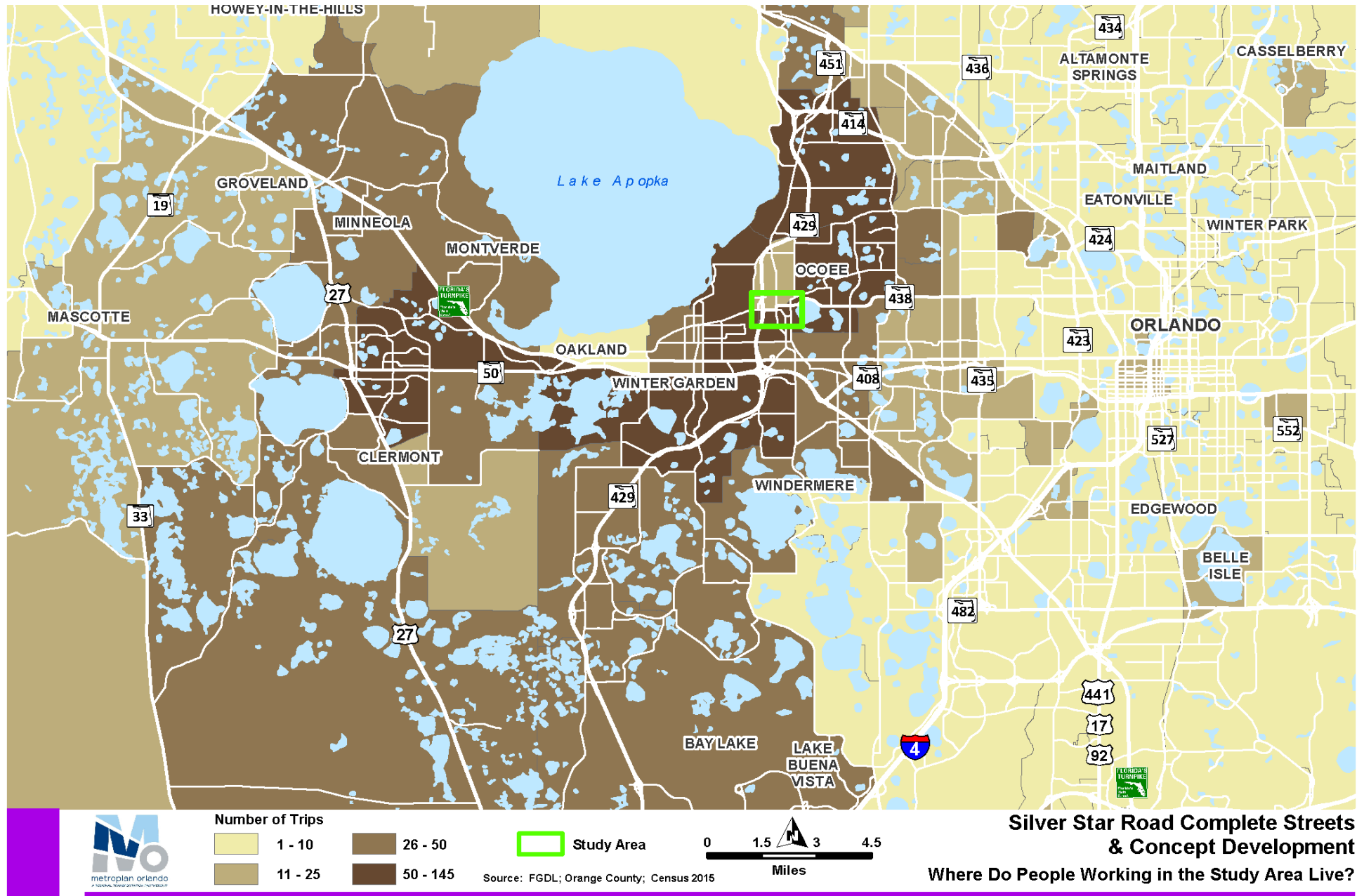
Transit options within the City of Ocoee are limited. LYNX, the area’s transit service provider, offers fixed-route transit service to and from the West Oaks Mall and Health Central Hospital. However, several areas within the City of Ocoee do not have fixed-route transit service.

Transit service in the study area is provided through NeighborLink service (NeighborLink route 611), as shown in **Figure 15**. This flex-service is based out of the West Oaks Mall Superstop providing options for passengers connecting to destinations or to a local bus stop. NeighborLink operates from 5am to 8pm on weekdays and residents in the designated service area must contact LYNX in advance to schedule a pickup time. Connections with LYNX fixed-route service include:

- *Link 105 - West Colonial Drive*
- *Link 125 - Silver Star Road Crosstown*
- *Link 54 - Old Winter Garden Road*



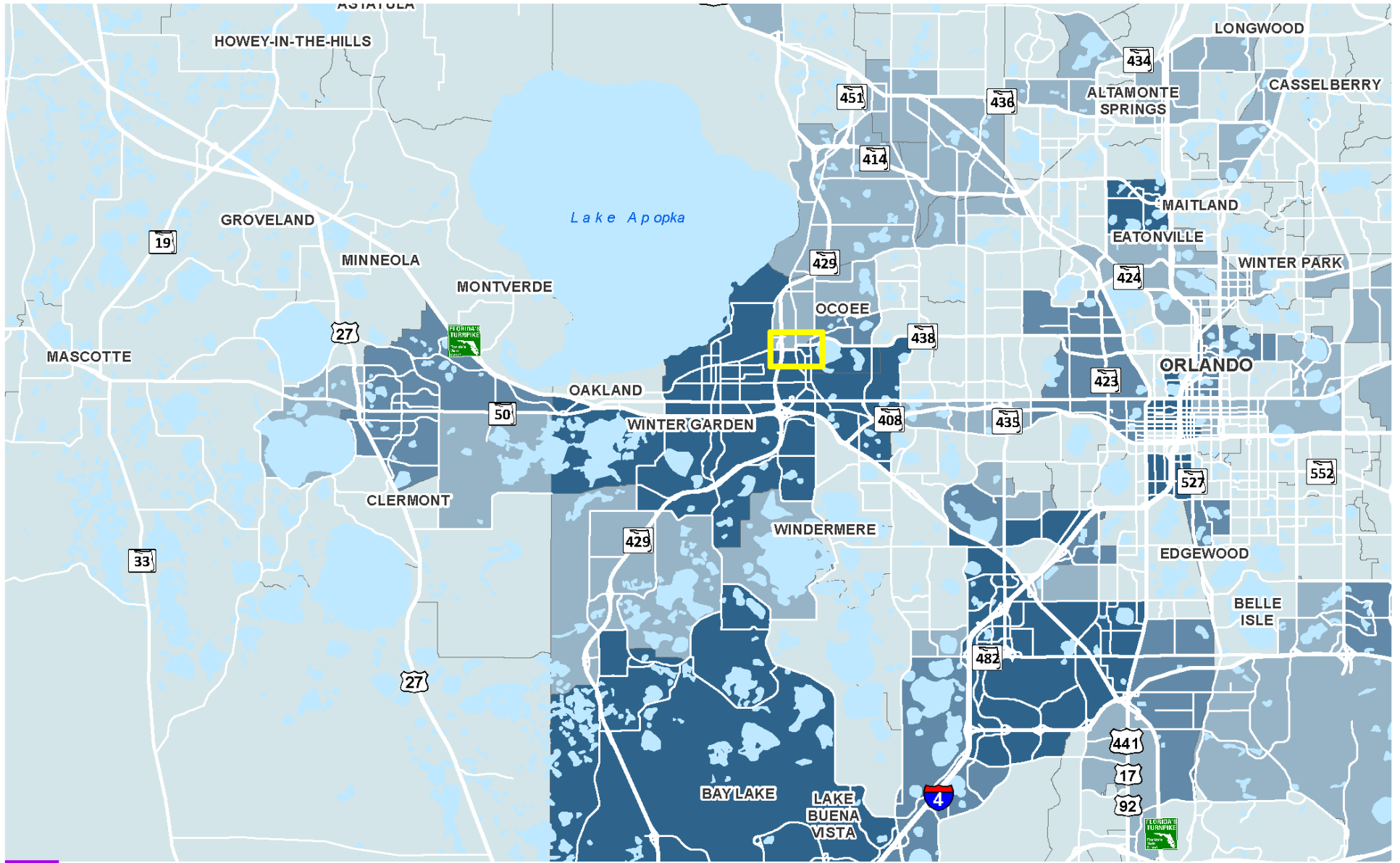
Figure 13. Where do People Working in the Study Area Live?



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Figure 14. Where do People Living in the Study Area Work?



**Number of Trips**

1 - 10	26 - 50
11 - 25	50 - 145

**Study Area** (Yellow outline)

0 1.5 3 4.5 Miles

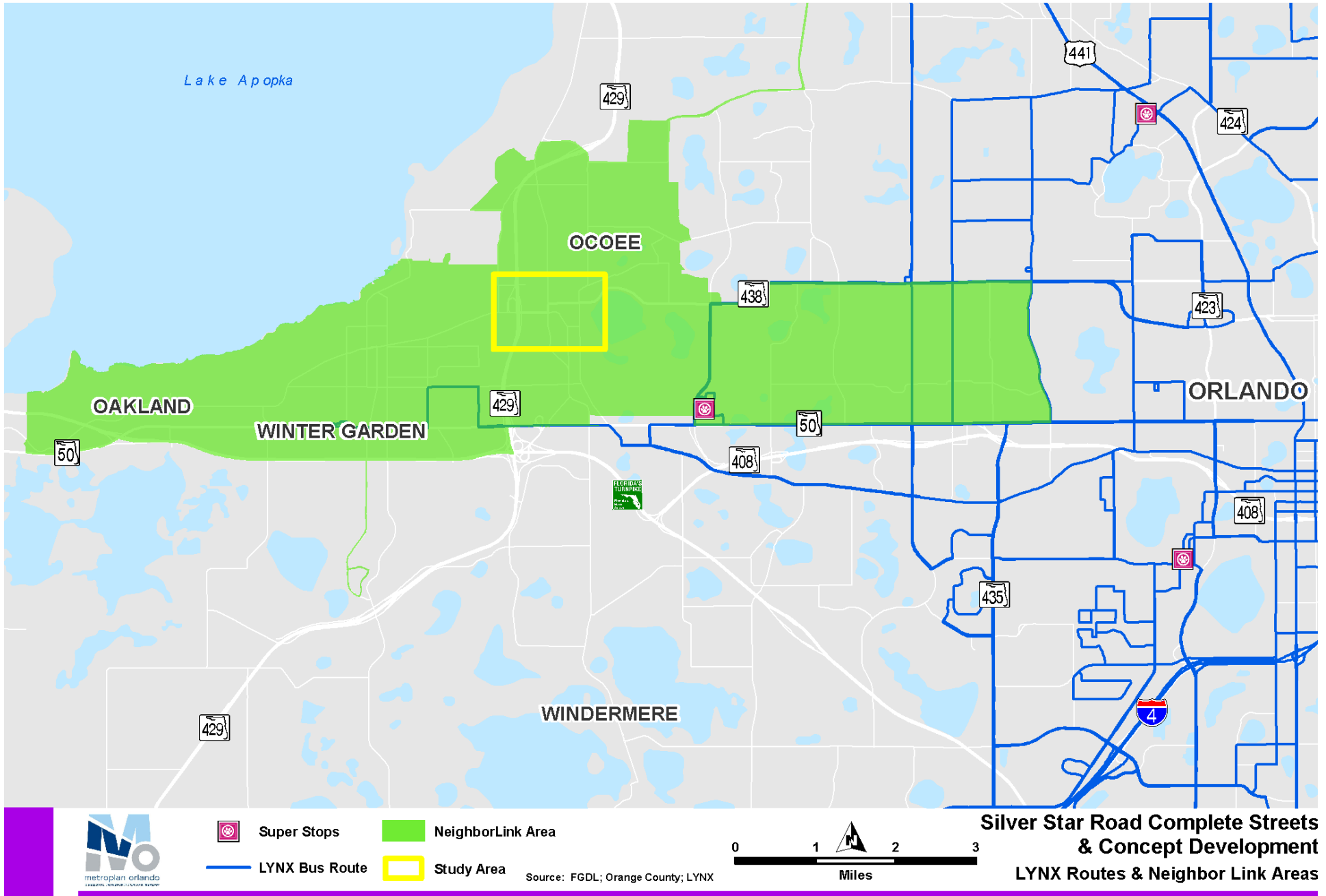
Source: FGDL; Orange County; Census 2015

**Silver Star Road Complete Streets & Concept Development**

**Where Do People Living in the Study Area Work?**

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Figure 15. Transit Service



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## Existing Traffic Operations

The existing traffic operations are important for comparison to future no build and build alternatives. Truck volumes are relatively high within the study area which can be attributed to the convenient access to SR 429 and the proximity of the industrial park, SYSCO, and the Florida Auto Auction. Truck volumes vary from approximately 6% to nearly 11% of the average daily traffic on roadways within the study area.

**Figures 16-17** compare existing and projected daily traffic volumes for each segment within the study. **Figures 18-19** show intersection level of service assuming signal coordination and optimization. **Figures 20-25** map measured trip distribution and travel times obtained via Bluetooth™ device captures.



*Complete Streets make it feasible for people to take transit, bike for transportation, or walk for short trips – rather than adding cars to congested roads. Streets that are design to serve people using all modes expand the capacity of the roadway network, and everyone’s mobility choices.*

## Bicycle and Pedestrian Conditions

Missing sidewalks act as barriers to mobility, particularly for people with disabilities. As shown in **Figure 26**, the existing sidewalks and sidewalks gaps show disconnections between areas with high commercial activity such as Ocoee Apopka Road and Silver Star Road and residential areas south of Silver Star Road. There are planned/programmed improvements for sidewalk connectivity along Bluford Avenue and Taylor Street.

Programmed improvements to bicycle/pedestrian facilities within the study area include the continuation of the West Orange Trail Connector from Oakland Avenue to Franklin Street.



*Bicyclist heading East on Franklin St.*



*Bicyclist heading west on Silver Star Rd. at Ocoee Apopka Rd.*



*Congestion on Maguire Road south of Franklin St. (looking south)*

Figure 16. Existing (2018) Daily Traffic



Figure 17. Projected (2040) Daily Traffic



Figure 18. Existing (2018) Intersection Level of Service



Figure 19. Projected (2040) Intersection Level of Service



Figure 20. W. Franklin St. EB Distribution and Travel Time

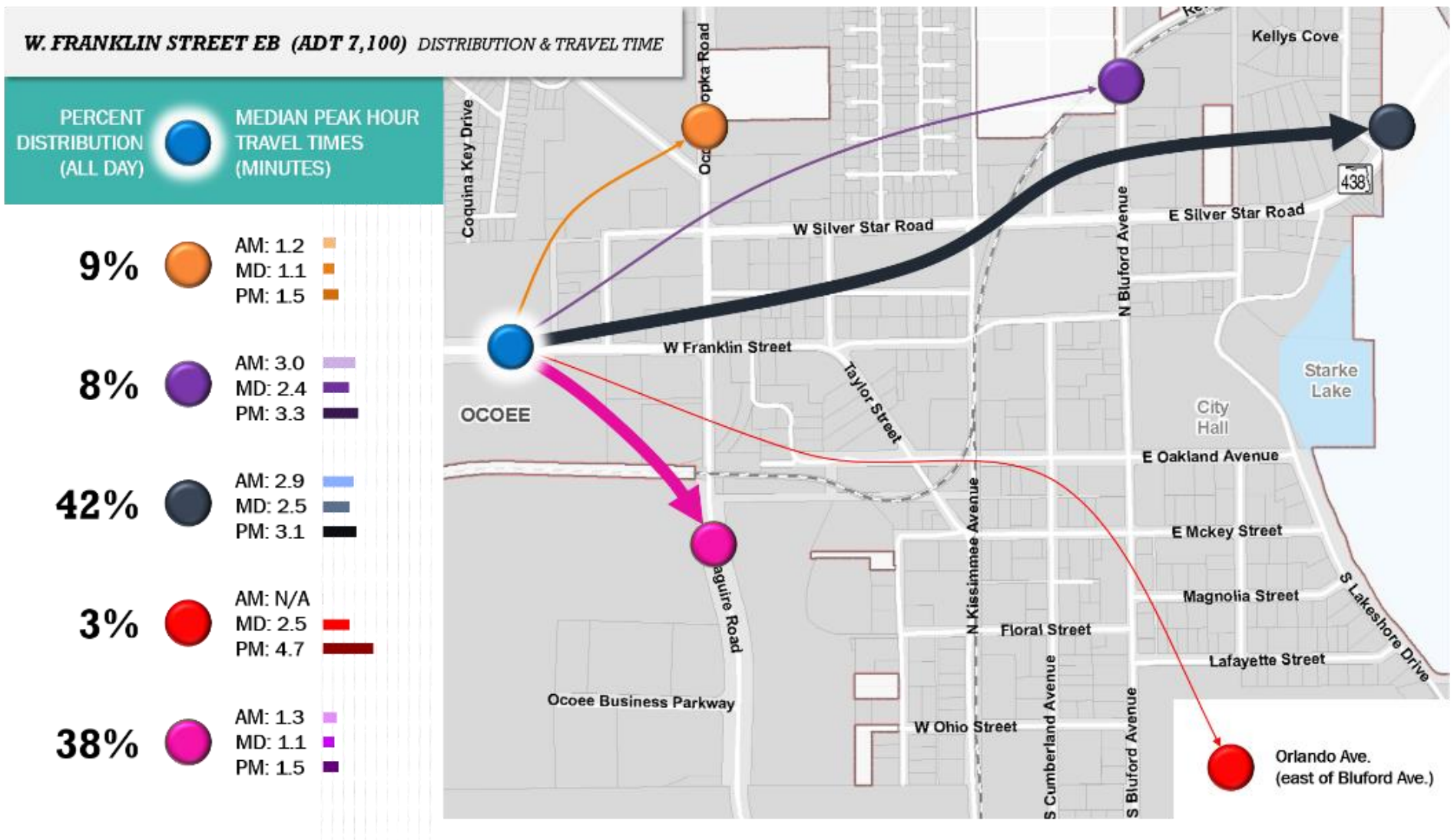


Figure 21. Ocoee Apopka Rd. SB Distribution and Travel Time



Figure 22. Bluford Ave. SB Distribution and Travel Time



Figure 23. Silver Star Road WB Distribution and Travel Time



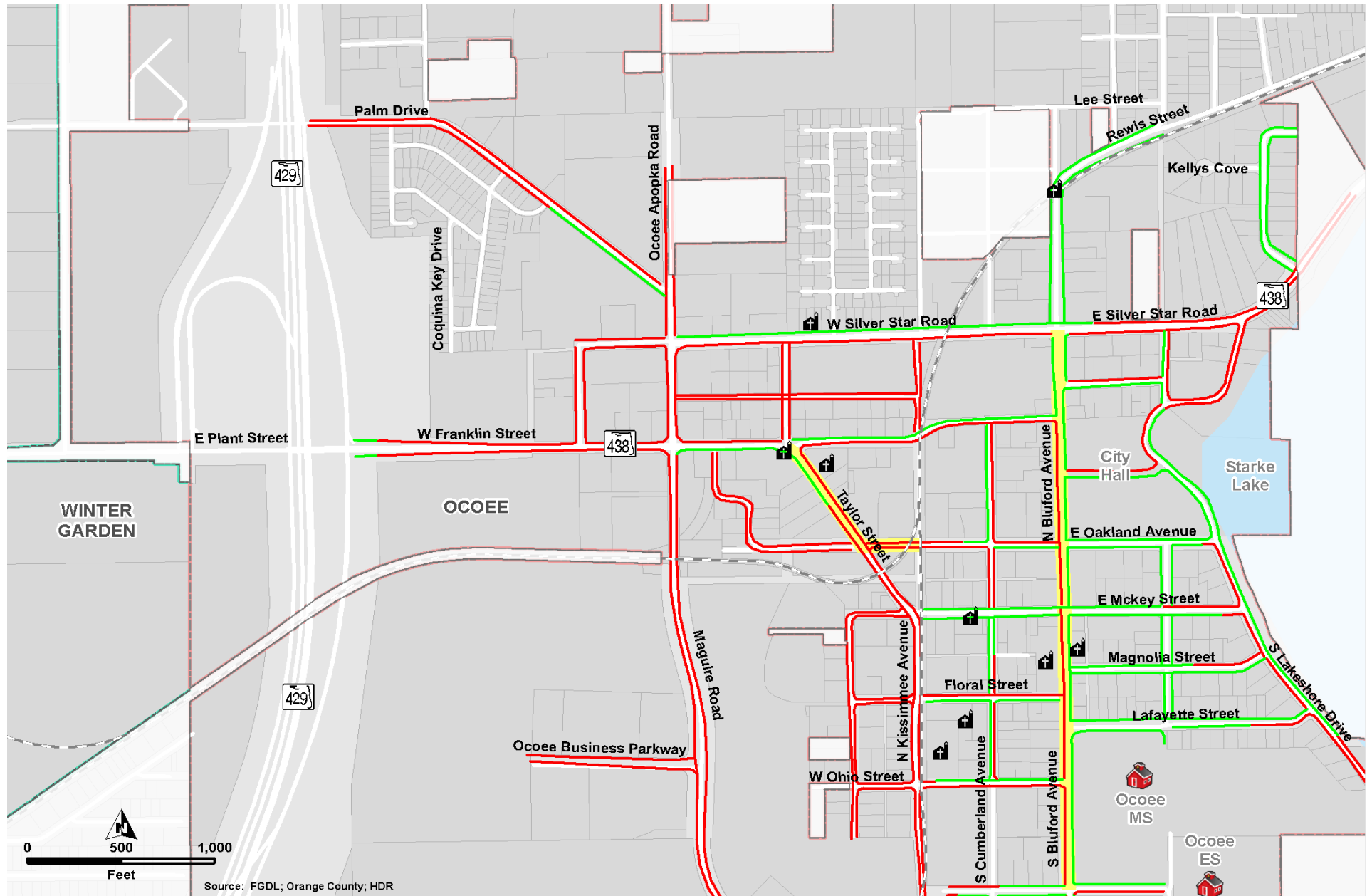
Figure 24. Orlando Ave. WB Distribution and Travel Time



Figure 25. Maguire Rd. NB Distribution and Travel Time



Figure 26. Sidewalks & Gaps



	Ocoee	Unincorporated	Sidewalk	Planned/ Programmed Sidewalk Improvement	Public School	<b>Silver Star Road Complete Streets &amp; Concept Development</b> <b>Sidewalks &amp; Gaps &amp; Planned Improvements</b>
	Winter Garden	FCEN Railroad	Sidewalk Gap	Religious Facility		

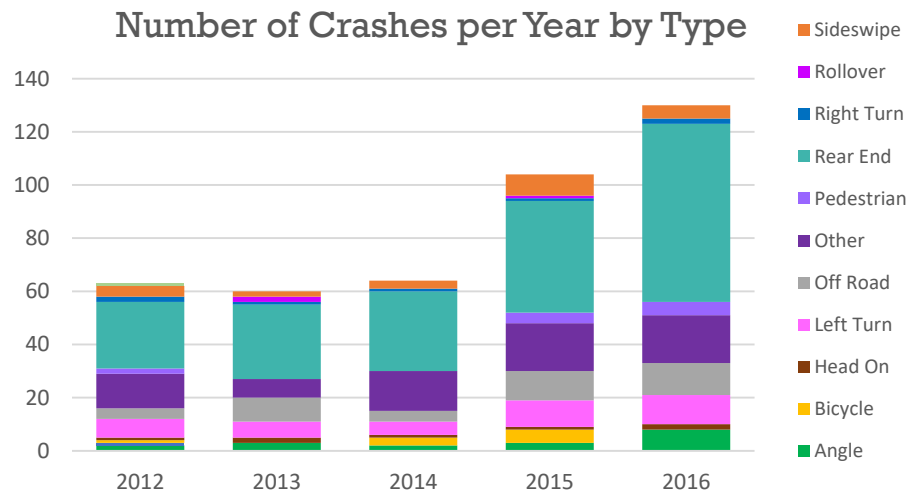
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# Safety Analysis

## Crashes

Crash locations and high risk intersections where accidents are most prevalent include the intersections of Silver Star Road and Ocoee Apopka Road, Silver Star Road and Bluford Avenue, and Franklin Street and Ocoee Apopka/Maguire Road, as shown in **Figure 27**. Collectively, crashes at these intersections account for 70% of all crashes between 2012 and 2016.

Areas with the most crashes generally coincide with the areas of most congestion. Streets that provide travel choices can give people the option to avoid traffic jams, and increase the overall capacity of the transportation network.



“Design principles commonly found in Complete Streets create long-lasting speed reduction. Lower speeds along with enlarged sidewalks, medians, and bike facilities benefit all users and greatly improve safety.”

## Crash Types and Severity

The most common type of crash is rear end collisions, accounting for 46% of all crashes (see **Figure 28**). Throughout the study area, nearly 70 percent of crashes resulted in property damage only, with no involved parties sustaining any injuries (see **Figure 29**).

Crashes involving pedestrians and bicycles make up 5% of the crashes recorded between 2012 and 2016. The only fatality recorded between 2012 and 2016 involved a hit and run crash where the victim was a pedestrian.

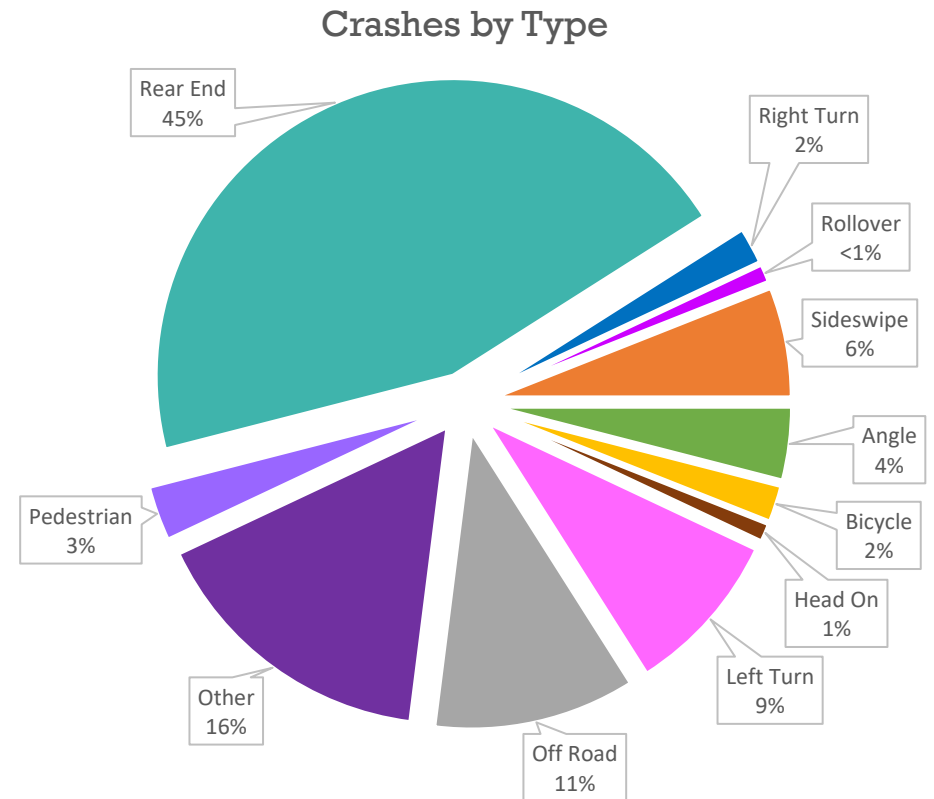


Figure 27. Crash Density Heat Map



**Silver Star Road Complete Streets & Concept Development**  
**Crash Density Heat Map - 2012-2016**

Ocoee
 Unincorporated
 FCEN Railroad
 Winter Garden

Vehicular Crashes 2011 - 2016  
 Source: FGDL; Orange County

High  
 Low

Path: E:\Data1\MetroPlan\_Silver\_Star\_Rd\Map\_Docs\10\_Crashes\_Density\_Heat\_Map\_8.5x11.mxd - User: JHILL - Date: 5/3/2016

Figure 28. Crashes by Type

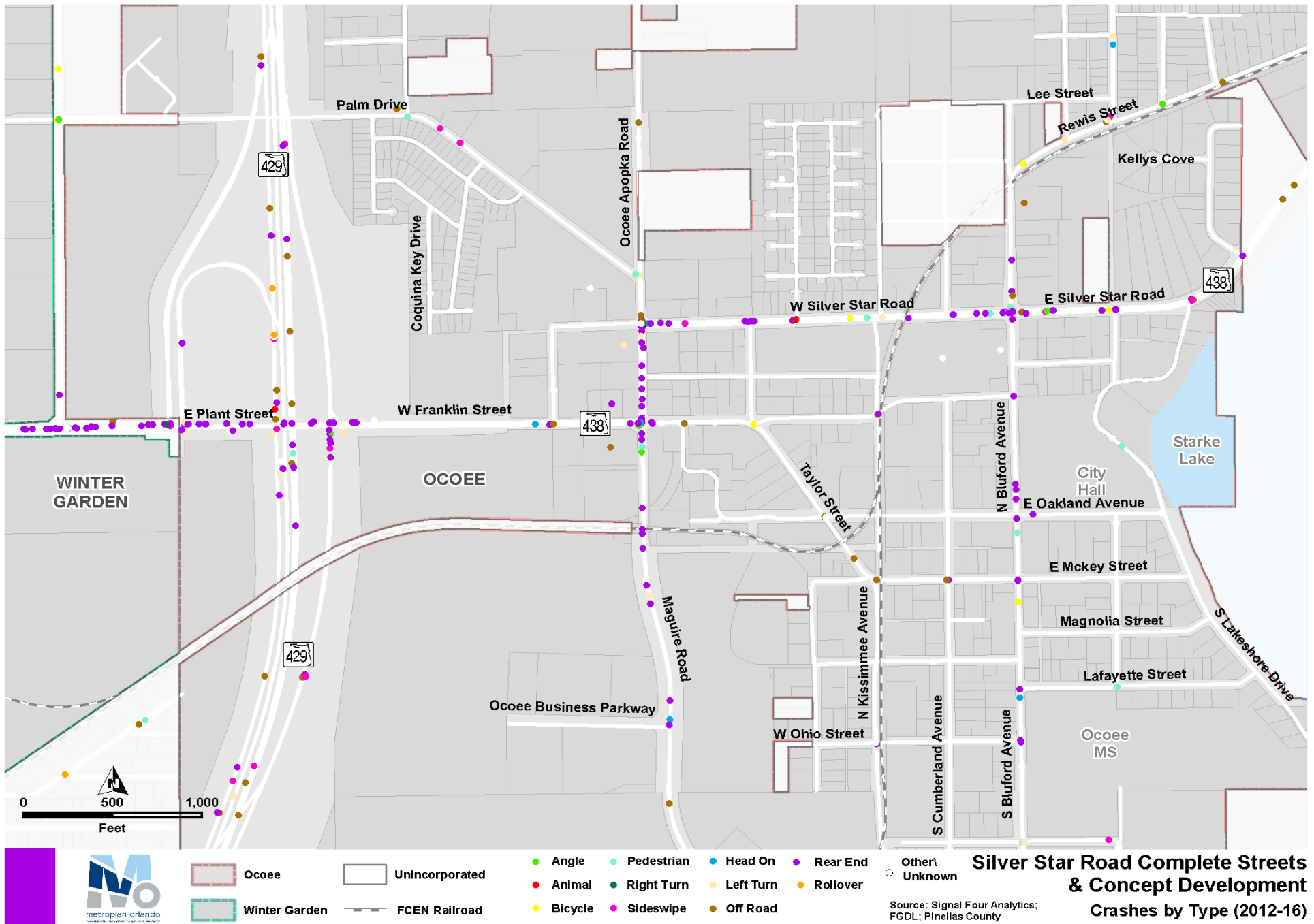
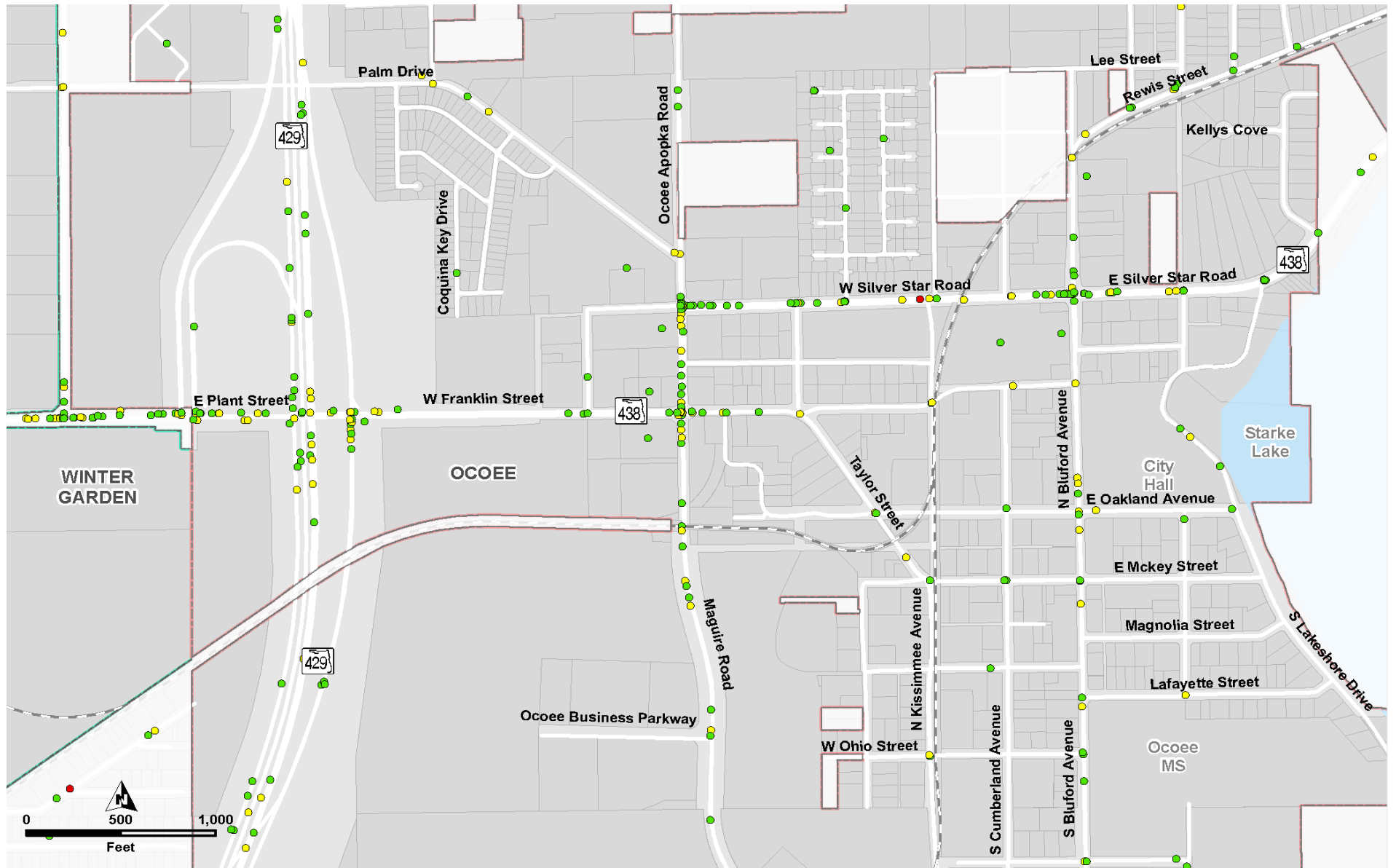


Figure 29. Crashes by Severity



	Ocoee	Unincorporated	<b>Crash Severity</b> ● Fatality ● Injury ● Property Damage Only	<b>Silver Star Road Complete Streets &amp; Concept Development</b> <b>Crashes by Severity (2012-16)</b>
	Winter Garden	FCEN Railroad		

Path: E:\Data1\MetroPlan\_Silver\_Star\_Rd\Map\_Docs\08a-Crashes\_by\_Severity\_8-5x11.mxd - User: JHILL - Date: 5/2/2018

# Corridor Characteristics

## Franklin Street

Franklin Street is classified as a major collector and is of great importance for the City's mobility as it provides connections with the City of Winter Garden as well as direct access to SR 429. Ocoee is currently planning a roundabout at the intersection of Franklin Street and Taylor Street.



There is one (1) signalized intersection within the City of Ocoee limits at Ocoee Apopka Road. There is no on-street parking along this segment of Franklin Street but private surface lots are present in some locations.

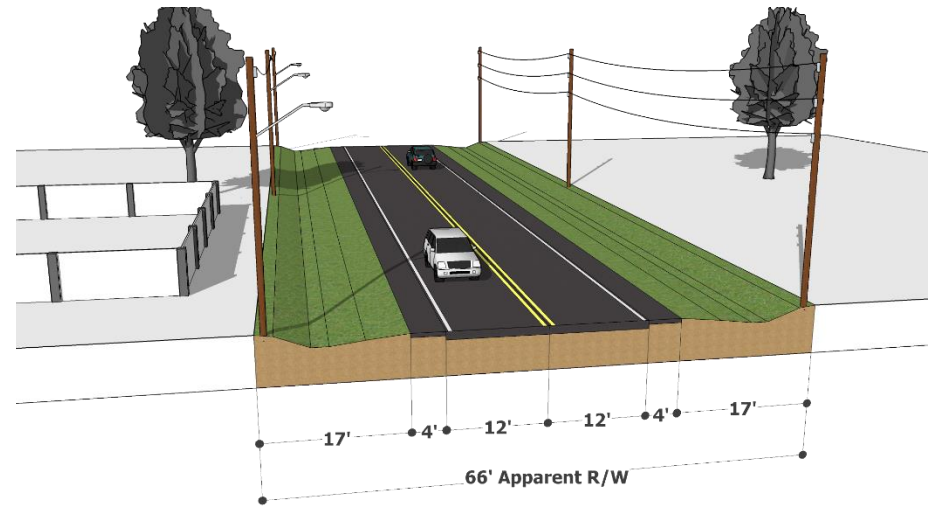
## Bicycle Lanes/Pedestrian Access

Bicyclists utilize sidewalks or paved shoulders along Franklin Street as designated bike lanes are not present. The paved shoulders vary in width along the length of the corridor and there are no markings or signs warning drivers of the presence of bicycles which may increase the risk of potential conflicts between bicyclists and vehicles.

Sidewalks are present on the south side of Franklin Street, east of Ocoee Apopka Road. Pedestrians are mostly observed in the vicinity of commercial areas at the intersection with Ocoee Apopka Road.

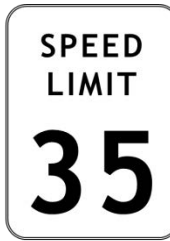
## Cross Section

Franklin Street is a two-lane road with 12-foot lanes and a total right-of-way of approximately 66 feet. Franklin Street has overhead lighting across the corridor either affixed to the utility poles or stand alone when at SR 429. Drainage is piped at the interchange and utilizes roadside swales along the remainder of the corridor.



## Silver Star Road

Silver Star Road is classified as a minor arterial. It is an important east-west corridor for the City of Ocoee, heading east through main residential and commercial areas and into the City of Orlando. The western terminus of Silver Star Road is at Bowness Avenue in the City of Ocoee. Drivers use Ocoee Apopka Road, Bowness Avenue, or Taylor Street to reach W. Franklin St. and SR 429.



There are two (2) signalized intersections along Silver Star Road within the study area, one at Ocoee Apopka Road and one at N. Bluford Avenue. In addition, there is one (1) stop controlled rail crossing between Kissimmee Avenue and Cumberland Avenue. On-street parking is provided in front of the post office, west of Ocoee Apopka Road. Private surface lots are present in some locations, mainly serving commercial areas.

## Bicycle Lanes/Pedestrian Access

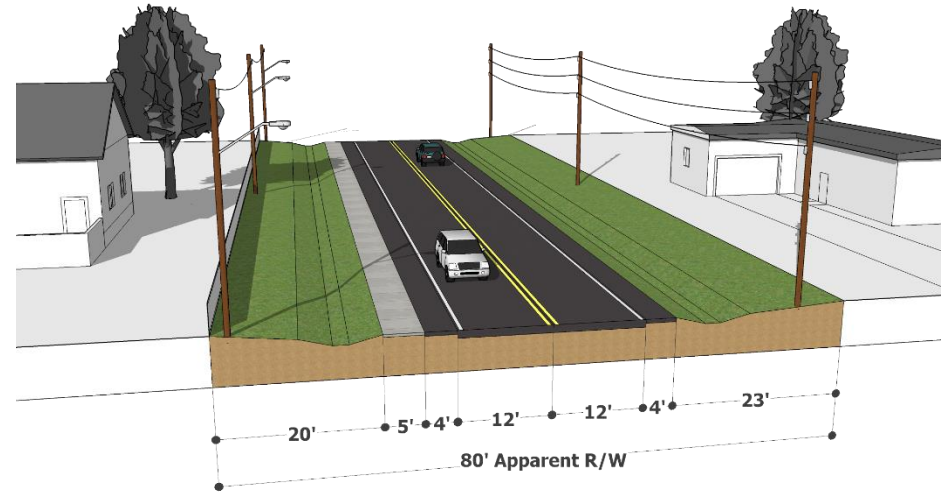
Similar to Franklin Street, bicycle lanes are not present along this segment of Silver Star Road. Bicyclists utilize sidewalks or paved shoulders without markings or signs warning drivers of the presence of bicycles which may increase the risks of potential conflicts between bicyclists and vehicles.

Sidewalks are present on the north side, providing connections for the residential and commercial development and serving the school crossing at Bluford Avenue. However, areas without a buffer between the sidewalk and the

moving vehicles, plus the absence of adequate shading, creates an uncomfortable environment for walkers.

## Cross Section

Silver Star Road is a two-lane road with 12-foot lanes and a right-of-way of approximately 80 feet. Silver Star Road has overhead lighting across the corridor affixed to the utility poles. Drainage is provided by roadside swales.



## Ocoee Apopka Road

Ocoee Apopka Road is classified as a major collector. It plays an important role in the City's mobility as it provides an alternative to SR 429 for north-south travel. This corridor passes through primarily commercial and office zones.



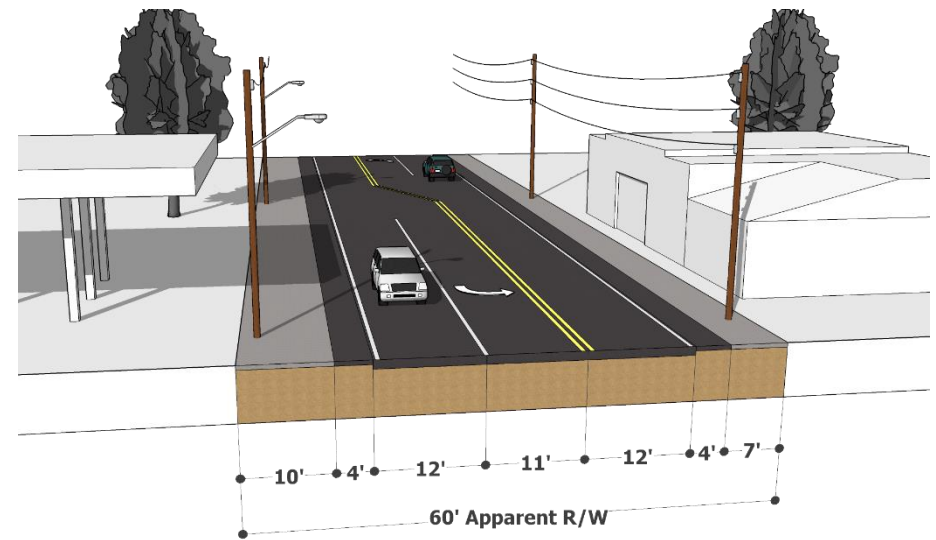
There are two (2) signalized intersections on this segment of Ocoee Apopka Road located within the study area, one (1) at Silver Star Road and one (1) at Franklin Street. There is an at-grade rail crossing in the residential/commercial area north of Ocoee Business Parkway. There is no on-street parking along this segment of Ocoee Apopka Road.

## Bicycle Lanes/Pedestrian Access

Bicyclists utilize paved shoulders along Ocoee Apopka Road. The absence of markings or signs warning drivers of the presence of bicycles may increase the risk of potential conflicts between bicyclists and vehicles. Walkers often use paved shoulders in the absence of sidewalks creating unsafe conditions.

## Cross Section

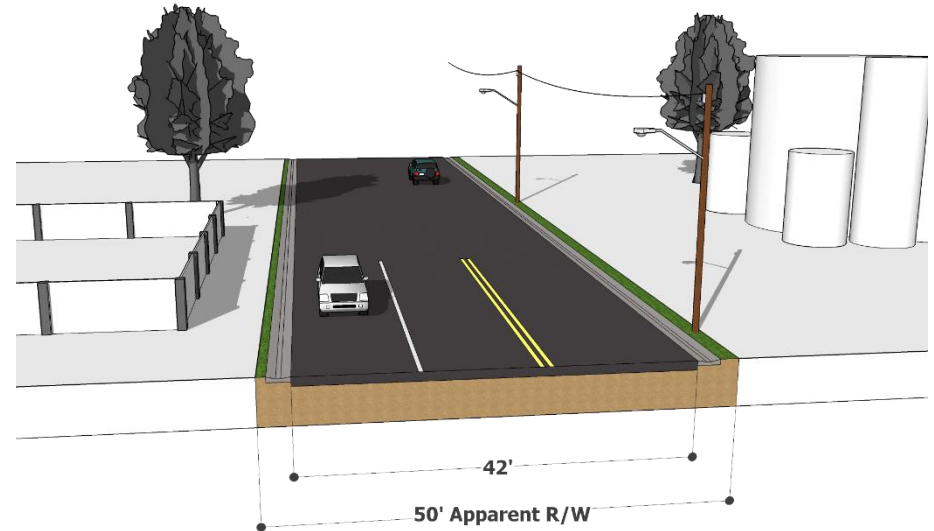
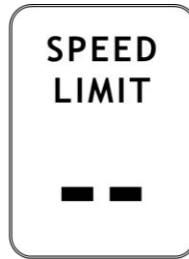
Ocoee Apopka Road is a two-lane road with 12-foot lanes and a total right-of-way of approximately 60 feet. Ocoee Apopka Road has overhead lighting on the corridor from Palm Drive to the railroad crossing, affixed to the utility poles. Drainage is provided by roadside swales along the corridor.



Ocoee Apopka Road north of Franklin Street (looking south)

## Bowness Avenue

Bowness Avenue begins at Franklin Street and provides a north-south connection with Silver Star Road. There are no signalized intersections on the segment. There is no designated on-street parking on the Bowness Ave segment; however, the existing cross section provides space for vehicles and trucks to park on the side of the road.



## Bicycle Lanes/Pedestrian Access

Bicyclists utilize travel lanes along Bowness Avenue. The absence of markings or signs warning drivers of the presence of bicycles may increase the risk of potential conflicts between bicyclists and vehicles. There are no sidewalks along Bowness Avenue.

## Cross Section

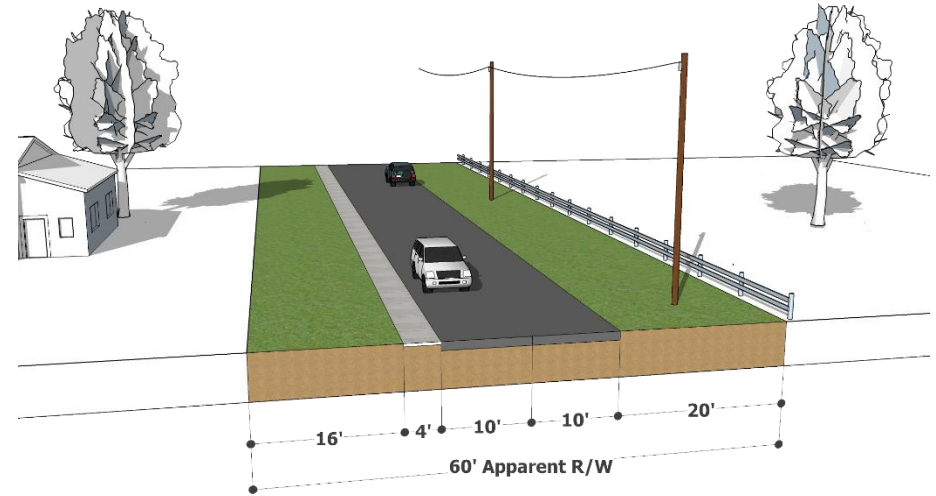
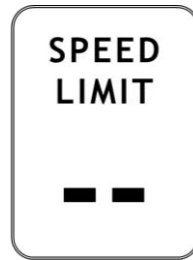
Bowness Avenue is a 42-foot wide two-way road with unmarked lanes and a total right-of-way of approximately 50-feet. Bowness Avenue has overhead lighting on the corridor from Franklin Street to Silver Star Road, affixed to utility poles. Valley gutters channel drainage runoff to inlets at the intersection of Franklin Street and Bowness Avenue.



*Bowness Avenue north of Franklin Street (looking north)*

## Taylor Street

Taylor Street within the study area begins at Franklin Street and runs north ending at Silver Star Road. There is no on street parking on this Taylor Street segment. The City of Ocoee is currently planning a roundabout at the intersection of Franklin Street and Taylor Street.



## Bicycle Lanes/Pedestrian Access

Bicyclists utilize travel lanes along Taylor Street. The absence of markings or signs warning drivers of the presence of bicycles may increase the risk of potential conflicts between bicyclists and vehicles. There is a sidewalk adjacent to the southbound lanes along Taylor Street. However, areas without a buffer between the sidewalk and the moving vehicles, plus the absence of adequate shading, creates an uncomfortable environment for walkers.

## Cross Section

Taylor Street is a two-lane road with one 10-foot driving lane per direction. Taylor Street has overhead lighting at intersections affixed to the utility poles. Drainage is provided by roadside swales.



## Next Steps

### Project Visioning Team and Regional Partners

In order to understand the character of the Silver Star Road corridor and the community through which this facility weaves through, a team of key stakeholders will be assembled as a part of the Project Advisory Group (PAG). Membership on this committee is determined by the MetroPlan Orlando Project Manager and is planned to consist of representatives from the associated jurisdictions and public agencies including:

- City of Ocoee
- City of Winter Garden
- Orange County
- Florida Department of Transportation (FDOT)
- Central Florida Expressway Authority (CFX)
- Central Florida Regional Transportation Authority (LYNX)
- MetroPlan Orlando Community Advisory Committee
- Orange County Public Schools (OCPS)
- Bike/Walk Central Florida
- West Orange Chamber of Commerce
- Plan Active

Additionally, members of the residential and business community, along with key neighborhood groups will be invited to serve on this advisory committee. The role of this group will be to provide area context and background throughout the project schedule, as well as serve as a voice for the community.



*Franklin Street approaching SR 429 (looking west)*



*Ocoee Apopka Road at Franklin Street (looking south)*

## Purpose Statement

The purpose statement will guide this planning study, as well as the succeeding steps of the study, which may include planning and designing new transportation facilities. The purpose of the project is to develop an enhanced multimodal transportation network that:

- *Supports the vision developed by the City*
- *Maximizes the roadway network*
- *Maximizes economic development opportunities in Downtown Ocoee*
- *Creates gateway opportunities and enhances the sense of place*
- *Supports a trail connection from Downtown Ocoee to the West Orange Trail*
- *Promotes connectivity for all modes*
- *Accommodates regional freight mobility*
- *Provides safe and comfortable mobility for all users of all abilities*

## Needs Statement

The MetroPlan Orlando 2040 Long Range Transportation Plan (LRTP) classifies Silver Star Road as a Regional Freight Corridor. The LRTP identified the corridor needing four (4) lanes by the year 2040; however the segment to the east is potentially physically and environmentally constrained. By definition, constrained roads are those that cannot be expanded as necessary to alleviate congestion due to either physical or policy limitation, environmental concerns or other factors.

Given the constraint to the east, the need is to examine the corridor as a context sensitive non-capacity improvement that is designed to improve traffic flow without adding lanes. A Complete Street approach makes roadways more efficient for all road users. An enhanced multimodal system is needed to promote economic development, improved safety, regional mobility and improved accommodations for pedestrians/bicyclists based on the following observations:

- *Limited economic development near Downtown Ocoee*
- *Desire for enhanced aesthetics*
- *Lack of a safe and comfortable connection to the West Orange Trail*
- *Limited accommodation of freight mobility to SR 429*
- *Poor connectivity of Downtown Ocoee to the thoroughfare network including SR 438 and SR 429*
- *Lack of bicycle facilities in the area*
- *Limited roadway lighting in the area*
- *Sidewalk gaps in the area along thoroughfares*
- *Vehicular, pedestrian and bicyclist safety concerns*

# Guiding Principles

Guiding Principles have been developed based on the existing conditions, purpose and need, and stakeholder input. The Guiding Principles will aid in the development of Evaluation Criteria and Performance Measures which help to track and measure the effectiveness of alternative improvements evaluated in the next phase of this study.

The Guiding Principles have been divided into three categories:

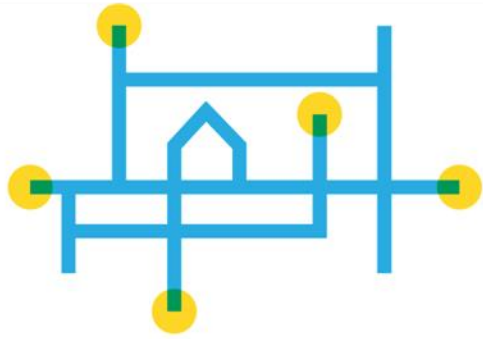


1. Network Connectivity & Traffic Operations
2. Community Enhancement & Economic Development
3. Ease of Implementation & Potential Impacts

Network Connectivity & Traffic Operations	
	Maximize roadway network utilizing existing right-of-way
	Improve east-west movements on SR 438 and north-south movements on Ocoee-Apopka Road
	Facilitate freight traffic while minimizing impacts to Downtown Ocoee
	Promote traffic calming / narrower roadways
	Support West Orange Trail connection to Downtown Ocoee

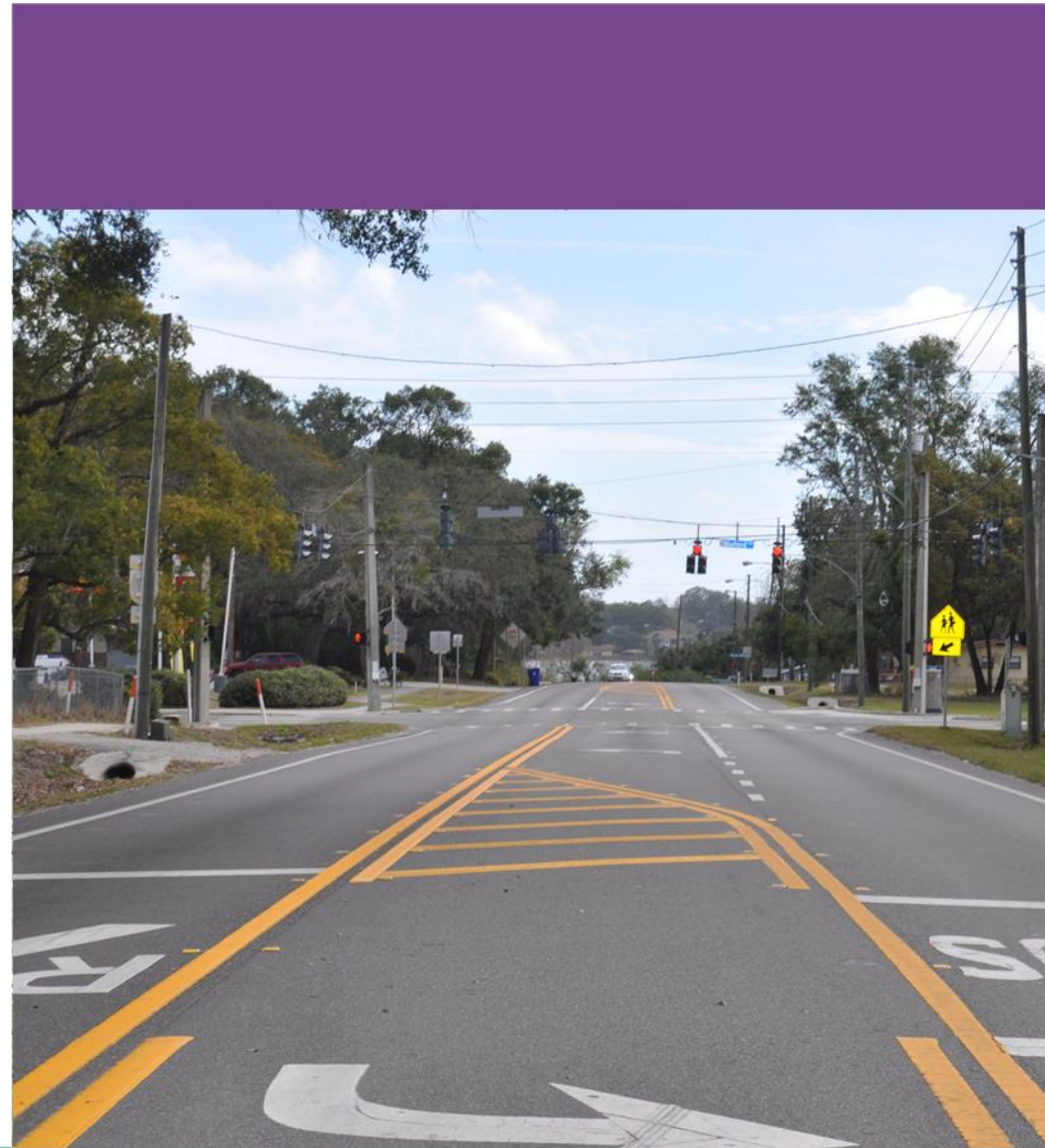
Community Enhancement & Economic Development	
	Enhance connectivity to Downtown Ocoee
	Provide gateway opportunities to Downtown Ocoee
	Limit impacts to developable lands near Downtown Ocoee

Ease of Implementation & Potential Impacts	
	Minimize commercial parcel impacts
	Minimize residential parcel impacts
	Avoid potential wetland / floodplain impacts
	Avoid potential impacts to contaminated sites



# SILVER STAR RD

COMPLETE STREETS STUDY



metroplan orlando

A REGIONAL TRANSPORTATION PARTNERSHIP

# Appendix A

## **Preliminary Environmental Discussion**

**For the Study Area between SR 429 on the west; Lakeshore Drive to the east; McKey Street to the south; and just north of W. Silver Star Road to the north.**

### *Social and Economic*

#### **Land Use**

MetroPlan Orlando will be working closely with the City of Ocoee to ensure the project is consistent with the City's Master Plan. The project is not likely to change the land use or development patterns currently planned for the City.

#### **Social**

The Environmental Screening Tool (EST) Sociocultural Data Report (SDR) was used for demographic data (the SDR can be found within the Community Coordination section of the EST). The SDR uses the Census 2015 American Community Survey (ACS) data and reflects the approximation of the population based on a 500-foot project buffer area intersecting the Census Block Groups along the project corridor. The SDR identified the following demographics:

#### **Population and Income**

The SDR identified 140 households with a population of 399 people. The median household income is \$29,808. Several households are below poverty level (30.71%) and 2.86% households receive public assistance.

#### **Race and Ethnicity**

The minority population makes up 53.63% of the total population in the study area.

#### **Age and Disability**

The median age is 39, and persons age 65 and over comprise 16% of the population. There are 44 people between the ages of 20 and 64 that have a disability.

#### **Housing**

There are 155 housing units. The housing consists of 122 single family units, 15 multi-family units (15) and 18 mobile home units. 78 of these units are owner occupied, 62 are renter occupied and 15 are vacant units.

#### **Language**

According to the US Census Data, 26 people (7.10%) within the study area are noted as speaking English "not well or not at all".

#### **Relocation Potential**

Three of the four options, the west; central; and east realignments would likely require right of way, therefore, impacting residential and other parcels. The study will identify residential relocations and/or business displacements and seek ways to avoid, minimize or mitigate these effects.

### **Farmlands**

The analysis identified approximately 5.48 acres as agricultural in addition to 18.39 acres identified as prime farmland, “Farmland of Unique Importance” within the same study area.

### **Aesthetic Effects**

Future phases of the project may consider potential locations where aesthetics may be affected and identify potential landscaping measures to be considered.

### **Economic**

FDOT has not reviewed this issue; MetroPlan Orlando will consider economic impacts and/or enhancements during the study process.

### **Mobility**

FDOT has not reviewed this issue; MetroPlan Orlando will consider mobility impacts and/or enhancements during the study process.

### ***Cultural***

#### **Section 4(f) Potential**

Bill Breeze Park, located on the western shores of Starke Lake, consists of parkland and a publicly owned and accessible linear trail. This resource is protected under Section 4(f) of the Department of Transportation Act of 1966 and Title 23 USC should federal funds be used. Additionally, two parcels, one at 456 Palm Drive, Ocoee, Florida and 529 Palm Drive should be evaluated as resources protected under Section 4(f).

#### **Historic and Archaeological Sites**

The GIS analysis identified an abandoned railroad (FRA ID 179164) and two historic structures, (OR00887 and OR06521) the Withers-Maguire House and the Woman’s Club of Ocoee are listed on the NRHP. According to the EST GIS, there are 89 sites with pre-1970 construction dates that should be subjected to a Cultural Resources Assessment Survey in future phases of project development.

#### **Recreation Areas**

Within the study area, Bill Breeze Park is the sole recreation area. This resource is described above in the item “Section 4(f) Potential”. Additionally, two parcels, one at 456 Palm Drive, Ocoee, Florida and 529 Palm Drive should be evaluated as potential recreation areas and/or resources protected under Section 4(f).

### ***Natural***

#### **Wetlands and Surface Waters**

The National Wetlands Inventory (NWI) dataset identified 10.94 acres (4.83%) of palustrine wetlands within the study area. The St. Johns River Water Management District (SJRWMD) Wetlands 2009 dataset identifies the wetlands in their jurisdiction to be “forested mixed”.

### **Water Quality and Quantity**

The GIS analysis listed the Biscayne Aquifer Sole Source Aquifer streamflow and recharge source zones as sole source aquifers. Impairments and or BMPs will need to be investigated as the project advances.

### **Floodplains**

The GIS analysis, using the D-FIRM 100-year Flood Zone, identifies Zone AE with 14.45 acres (6.38%) and Zone AH with 18.91 acres (4%) within the study area. See attached map for floodplain locations.

### **Wildlife and Habitat**

The GIS analysis shows a majority of the study is within the Florida Scrub-jay Service Area and Woodstork Core Foraging Areas. Within the study area, the GIS analysis identified the following additional species as possibly occurring in the area: Audubon's Crested Caracara, Everglades Snail Kite, Florida Scrub Jay, Red-cockaded Woodpecker, Eastern Indigo Snake, Gopher Tortoise, Sand Skink and Striped Newt.

### **Coastal and Marine**

The GIS analysis did not identify any Environmentally Sensitive Shorelines or Coastal Barrier Resources within the 500-foot project buffer area.

### ***Physical***

#### **Noise**

Noise sensitive sites are present along the corridor, generally in the form of residential dwelling units. A noise study would be completed in future phases of project development, e.g. a Project Development and Environment (PD&E) Study.

#### **Air Quality**

Orange County has not been designated as nonattainment or maintenance for ozone, carbon monoxide (CO), particulate matter (PM), or any of the National Ambient Air Quality Standards (NAAQS) in accordance with the Clean Air Act.

#### **Contamination**

The GIS analysis identified the following sites as follows: railroad (FRA ID) 179164; a dry cleaners (West Orange Fashion Cleaners); the Imperial Gas Station; 4 miscellaneous (Glenn Paint and Body, Central Florida Oil Recyclers, Puraglobe Florida, Circle K); 9 petroleum contamination monitoring sites (Circle K, Silver Star Quick Mart, Pterotic Southeast-Fuels Stations, Hartley Mathison, Imperial Gas Station and Custom Flooring and design (several of these sites have multiple facilities); 2 solid waste facilities (Crawford Tire Service and Englobe Tampa); 14 Storage Tank Contamination Monitoring sites; 7 Super Act Risk Sources (Rotech Southeast, Right Fuel, Hurtle Matheson, West Orange Fashion Cleaners, Imperial Gas Station, Custom Flooring and The Pantry); 4 US EPA Resource Conservation and Recovery Act (RCA) Regulated Facilities (Glenn Paint and Body; Island Food Store; Noxubee Tampa and Circle K).

#### **Infrastructure**

The FDOT has not reviewed this issue; MetroPlan Orlando will impact and/or enhancements to existing infrastructure within the study area.

**Navigation**

The GIS analysis did not identify any potential navigable waterways within the study area.

**Special Designations**

Outstanding Florida Waters

The GIS analysis did not identify any Outstanding Florida Waters within the study area.

Aquatic Preserves

The GIS analysis did not identify any Aquatic Preserves within the study area.

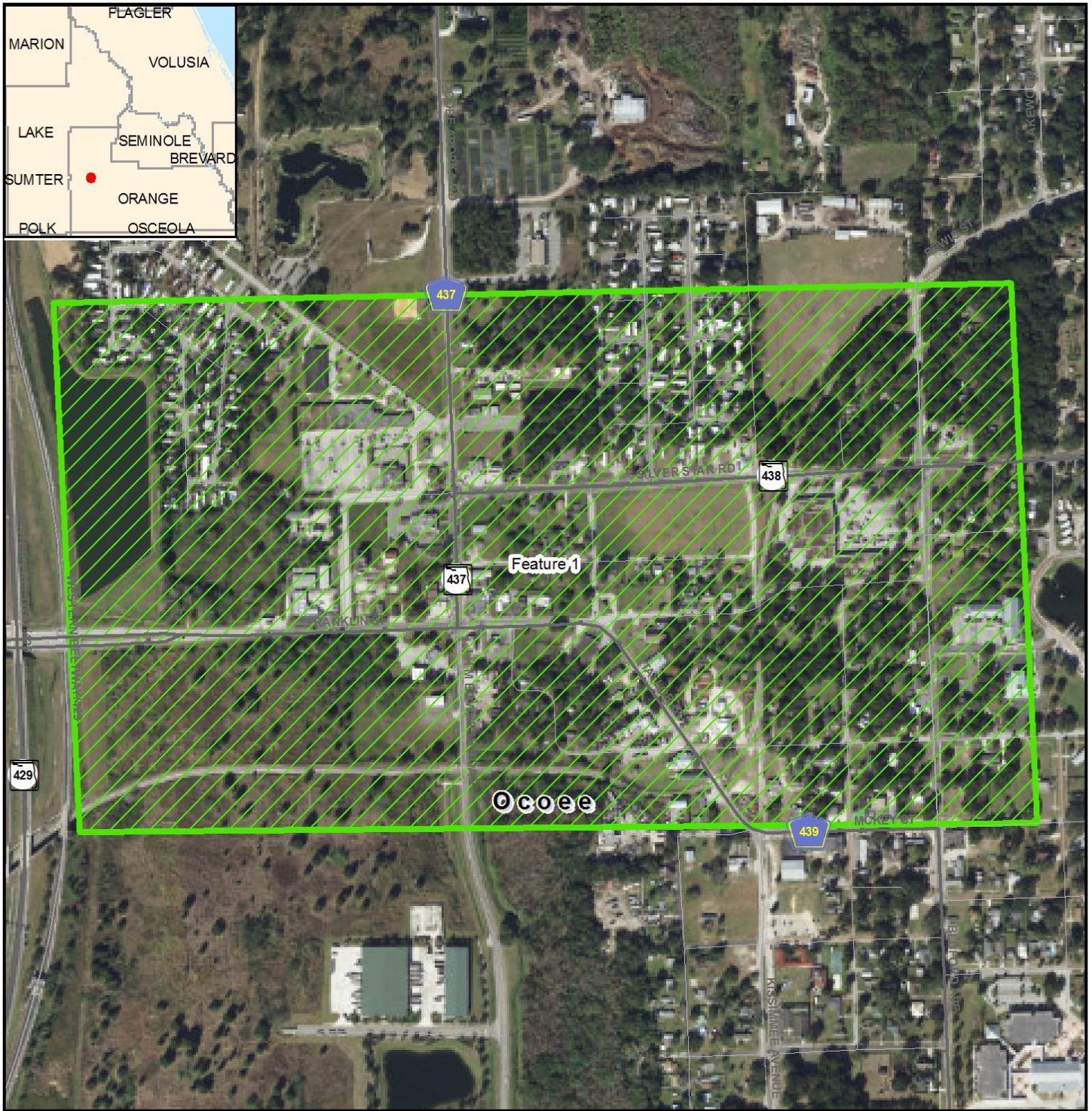
Scenic Highways

The GIS analysis did not identify any Scenic Byways within the study area.

Wild and Scenic Rivers

The GIS analysis did not identify any Wild and Scenic Rivers within the study area.

# AOI - Silver Star Road for MetroPlan



## Project Aerial Map

- Area of Interest
- Major Road
- Local Road or Trail

Data Sources:  
 Highways - NAVTEQ  
 Digital Orthophotograph - ArcGIS Online

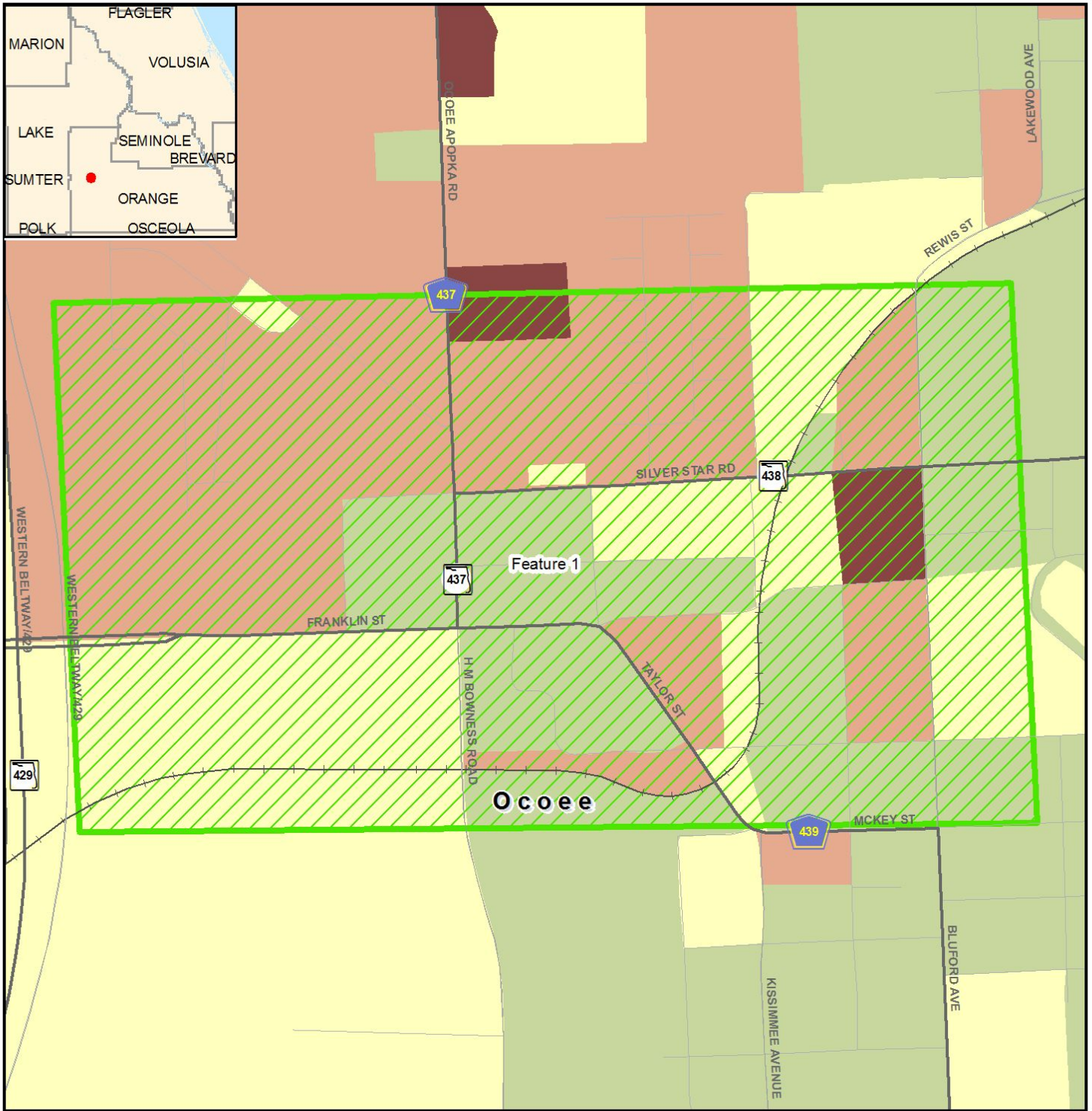


**etdm**  
 Environmental Screening Tool

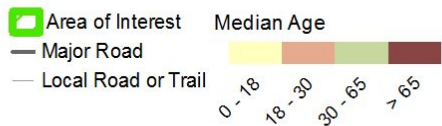


12/13/2017

# AOI - Silver Star Road for MetroPlan



## Age Distribution Map

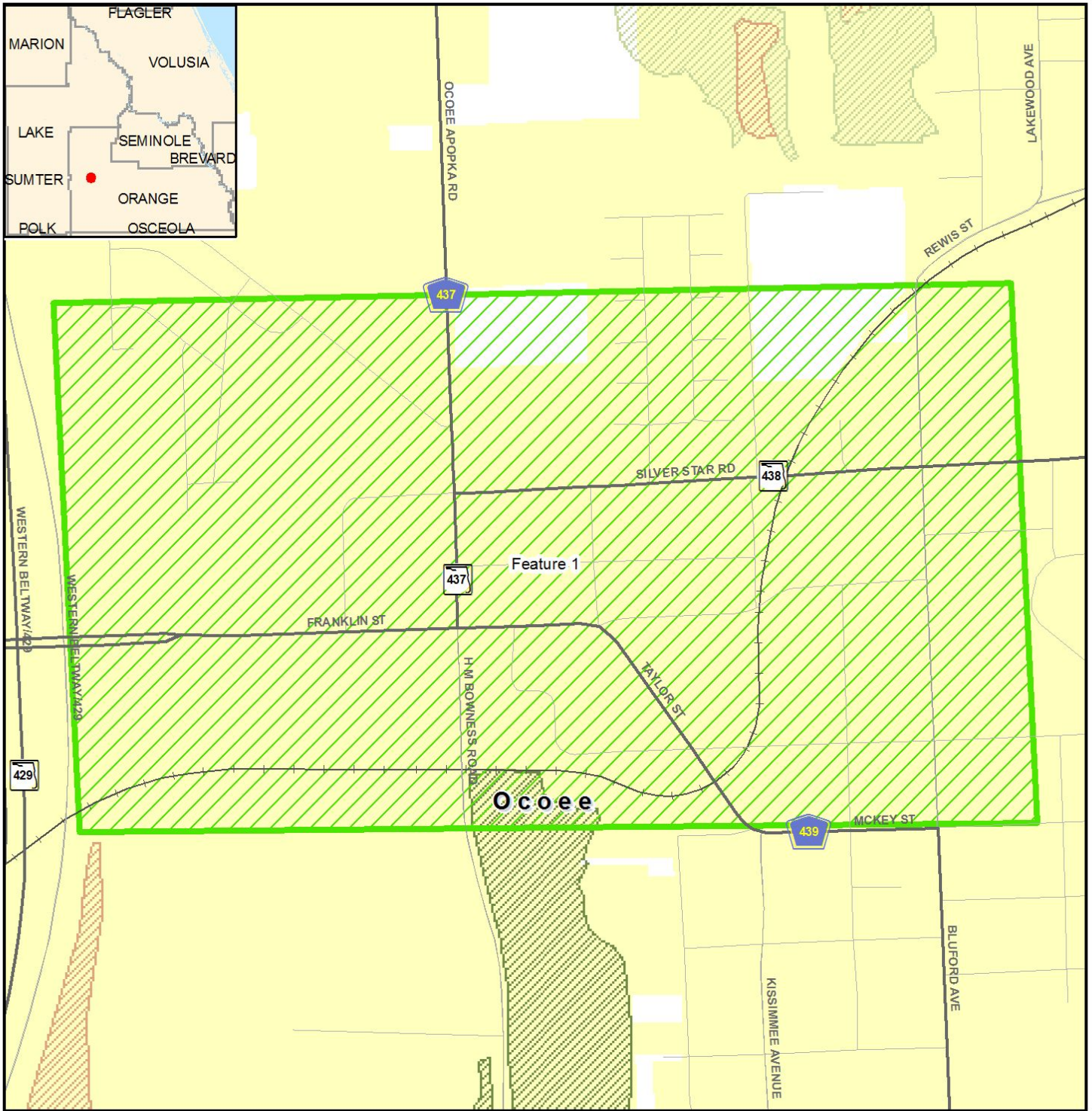


Data Sources:  
 US Geological Survey  
 FL Department of Transportation  
 NAVTEQ  
 US Census Bureau (2010)



12/13/2017

# AOI - Silver Star Road for MetroPlan



## Coastal and Marine Map



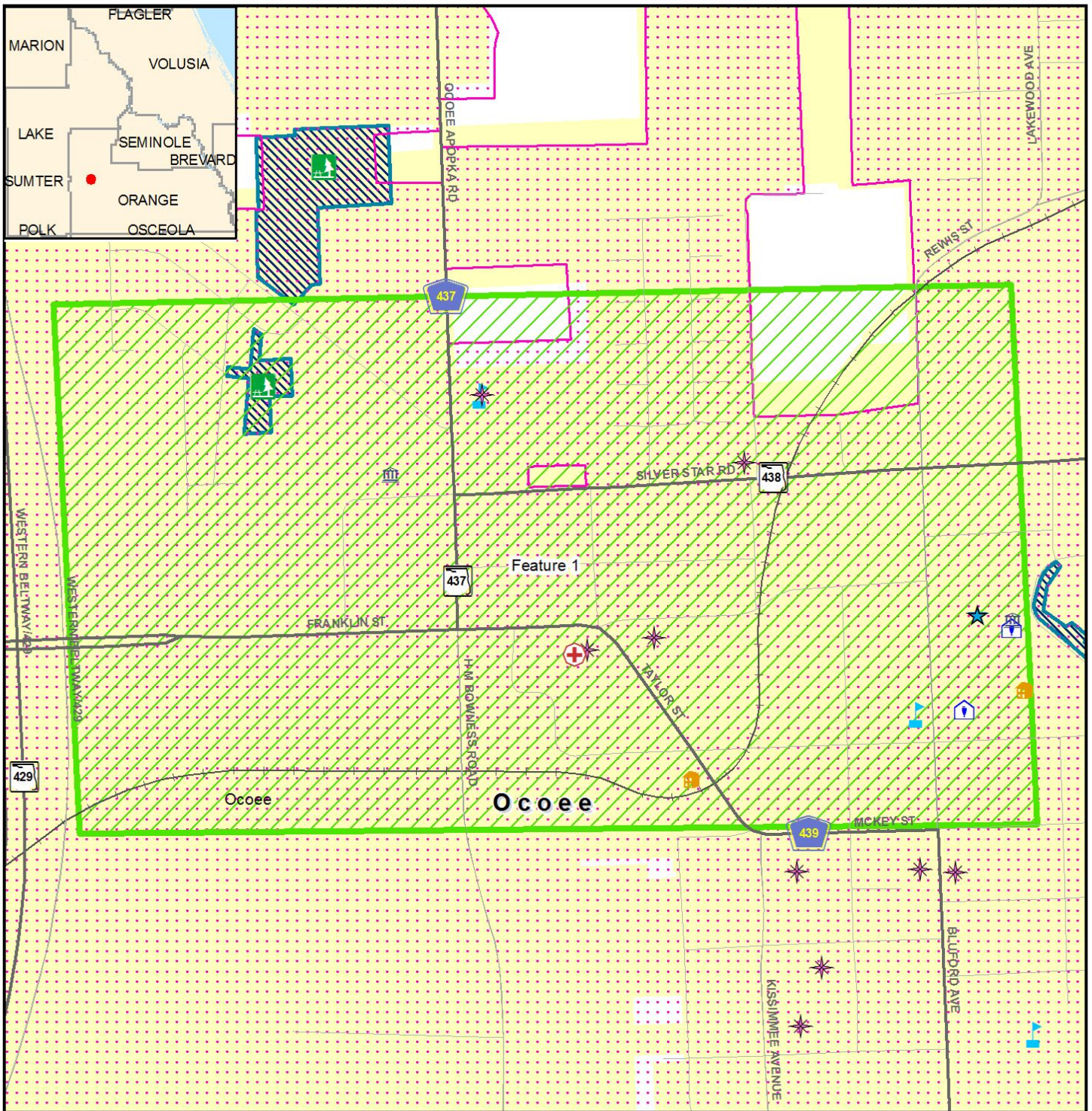
Data Sources: NAVTEQ; US Geological Survey; Florida Marine Research Institute; Florida Department of Transportation; Florida Department of Environmental Protection; National Oceanic and Atmospheric Association; Florida Water Management Districts



12/13/2017

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# AOI - Silver Star Road for MetroPlan



## Community Services Map

- Area of Interest
- Major Road
- Local Road or Trail
- City Limits
- Government
- Civic Center
- Cemetery
- Social Service
- Community Center
- Fire Station
- Law Enforcement
- Place of Worship
- Cultural Center
- Health Care
- School
- Park
- Recreational Trail
- Community Boundary
- Conservation or Recreation Area

Data Sources: US Geological Survey; FL Department of Transportation; NAVTEQ; FL Property Appraisers; FL Natural Areas Inventory

0 0.035 0.07 0.14 Miles



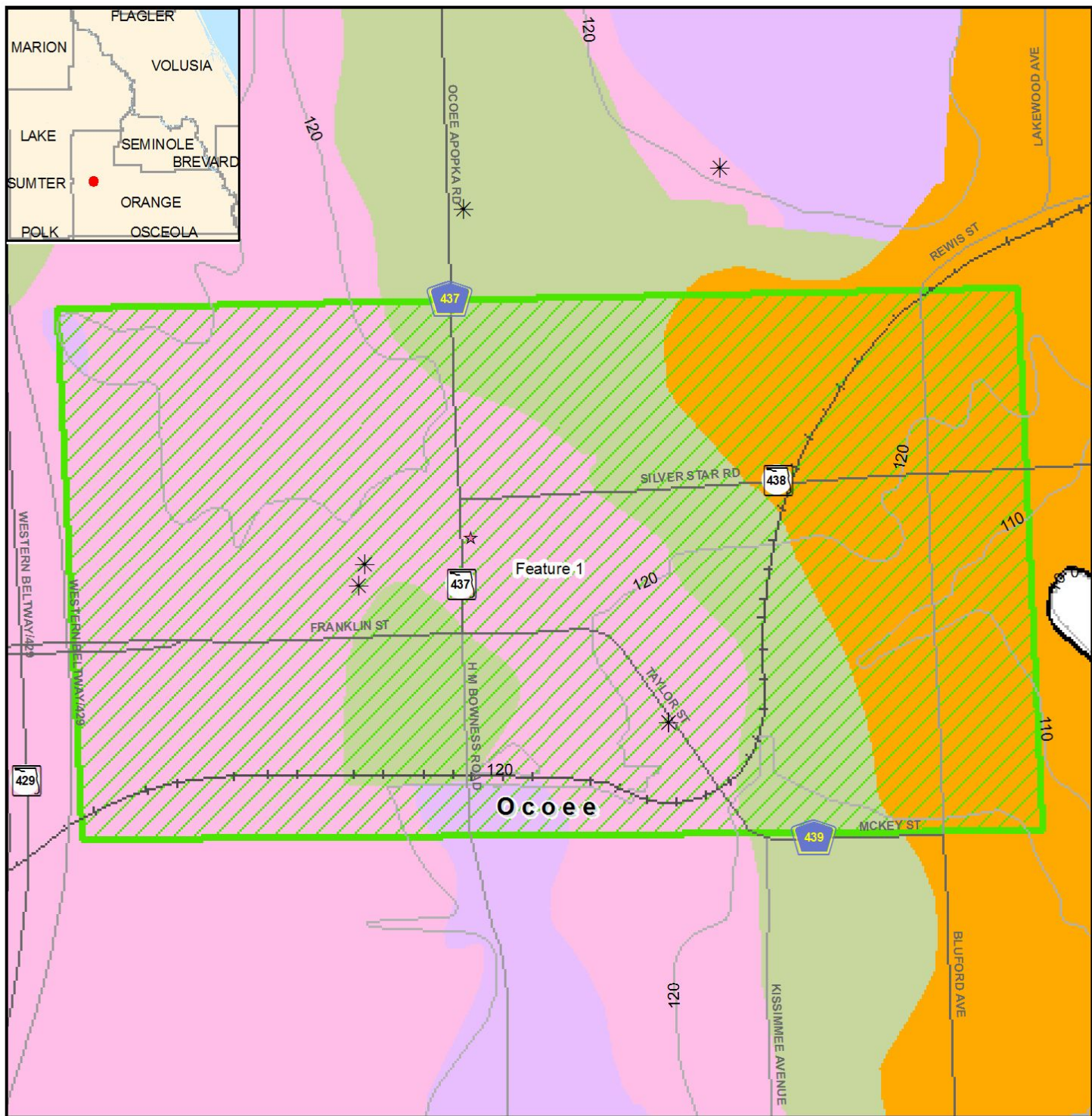
**etdm**  
Environmental Screening Tool



12/13/2017

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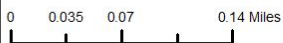
# AOI - Silver Star Road for MetroPlan



## Contamination Map

- |                         |                         |                      |                              |                         |
|-------------------------|-------------------------|----------------------|------------------------------|-------------------------|
| Area of Interest        | Hazardous Material Site | 5 FT Contour         | <b>Soil Drainage</b>         | Somewhat Poorly Drained |
| Major Road              | Power Plant             | NPL Remediation Site | Excessively Drained          | Poorly Drained          |
| Local Road or Trail     | Superfund Site          | Brownfield Area      | Well Drained                 | Very Poorly Drained     |
| Toxic Release Inventory | Nuclear Site            |                      | Somewhat Excessively Drained | Unclassified            |
| Dry Cleaning Facility   | FDEP Tanks              |                      | Moderately Well Drained      |                         |
| Solid Waste Facility    |                         |                      |                              |                         |

Data Sources: NAVTEQ; US Geological Survey; FL Department of Transportation; FL Department of Environmental Protection; FL Water Management Districts; US Environmental Protection Agency; Natural Resource Conservation Service



12/13/2017

# Cultural Resources Data Report

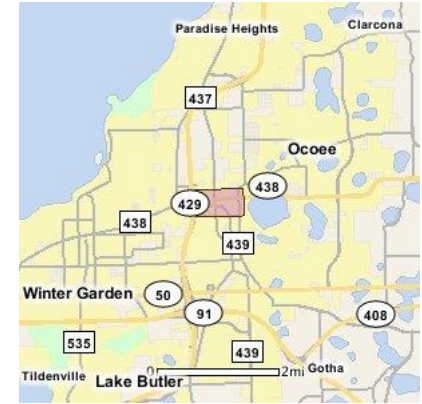
## Silver Star Road for MetroPlan Area of Interest

Area encompassing 4 alternatives from SR 429 to Bluford Ave.

This AOI will be available in the EST until 02/28/2018

Last updated by Kathaleen Linger @ FDOT District 5

## Silver Star Road for MetroPlan - Feature 1 Summary



Analysis Type	Date Run	Features within AOI
		Count
<b>Cultural Resources Data Report</b>		
D1 - Year Built by Decade (1970's)	12/13/2017	0
D1 - Year Built by Decade (Before 1970)	12/13/2017	0
D2 - Year Built by Decade (1970's)	12/13/2017	0
D2 - Year Built by Decade (Before 1970)	12/13/2017	0
D3 - Year Built by Decade (1970's)	12/13/2017	0
D3 - Year Built by Decade (Before 1970)	12/13/2017	0
D4 - Year Built by Decade (1970's)	12/13/2017	0
D4 - Year Built by Decade (Before 1970)	12/13/2017	0
D5 - Year Built by Decade (1970's)	12/13/2017	45
D5 - Year Built by Decade (Before 1970)	12/13/2017	89
D6 - Year Built by Decade (1970's)	12/13/2017	0
D6 - Year Built by Decade (Before 1970)	12/13/2017	0
D7 - Year Built by Decade (1970's)	12/13/2017	0
D7 - Year Built by Decade (Before 1970)	12/13/2017	0
Florida Site File Archaeological or Historic Sites	12/13/2017	0
Florida Site File Areas with No Field Survey Project Boundary Present	12/13/2017	1
Florida Site File Cemeteries	12/13/2017	0

Analysis Type	Date Run	Count
Florida Site File Field Survey Project Boundaries	12/13/2017	7
Florida Site File Historic Bridges	12/13/2017	0
Florida Site File Historic Standing Structures	12/13/2017	71
Florida Site File Resource Groups	12/13/2017	0
Local Florida Parks and Recreational Facility Boundaries	12/13/2017	2
National Register of Historic Places	12/13/2017	2

## D5 - Year Built by Decade (1970's)

Metadata: [http://www.fla-etat.org/est/metadata/yb\\_decades\\_d5.htm](http://www.fla-etat.org/est/metadata/yb_decades_d5.htm)

**Silver Star Road for MetroPlan - Feature 1, analyzed on 12/13/2017.**

**Footprint analyzed**

Decade Built	Parcel count
1970 - 1979	1
1970 - 1979	1
1970 - 1979	1
1970 - 1979	1
1970 - 1979	1
1970 - 1979	1
1970 - 1979	1
1970 - 1979	1
1970 - 1979	1
1970 - 1979	1
1970 - 1979	1
1970 - 1979	2
1970 - 1979	2
1970 - 1979	1
1970 - 1979	2
1970 - 1979	4
1970 - 1979	1
1970 - 1979	1
1970 - 1979	1
1970 - 1979	2
1970 - 1979	1
1970 - 1979	1
1970 - 1979	1
1970 - 1979	1
1970 - 1979	6
1970 - 1979	1
1970 - 1979	1
1970 - 1979	6

Decade Built	Parcel count
1970 - 1979	2
1970 - 1979	1
1970 - 1979	6
1970 - 1979	1
1970 - 1979	6
1970 - 1979	4
1970 - 1979	2
1970 - 1979	1
1970 - 1979	1
1970 - 1979	2
1970 - 1979	2
1970 - 1979	4
1970 - 1979	1
1970 - 1979	2
1970 - 1979	3
1970 - 1979	3
1970 - 1979	10
<b>Totals</b>	<b>96</b>

**Summary: 15.61 acres, 6.9 percent of analysis area.**

### D5 - Year Built by Decade (Before 1970)

**Metadata:** [http://www.fla-etat.org/est/metadata/yb\\_decades\\_d5.htm](http://www.fla-etat.org/est/metadata/yb_decades_d5.htm)

**Silver Star Road for MetroPlan - Feature 1, analyzed on 12/13/2017.**

**Footprint analyzed**

Decade Built	Count
1950 - 1959	1
1950 - 1959	1
1950 - 1959	1
1950 - 1959	6
1950 - 1959	1
1950 - 1959	1
1950 - 1959	2
1950 - 1959	2
1950 - 1959	1
1950 - 1959	3
1950 - 1959	1
1950 - 1959	1
1950 - 1959	1
1950 - 1959	1





## Silver Star Road for MetroPlan - Feature 1, analyzed on 12/13/2017.

### Footprint analyzed

Description	Area of Interest	
	Acr	Pct
NO FIELD SURVEY PRESENT	205.47	90.79%

## Florida Site File Field Survey Project Boundaries

### Field Survey Project Boundaries

Metadata: [http://www.fla-etat.org/est/metadata/shpo\\_surveys.htm](http://www.fla-etat.org/est/metadata/shpo_surveys.htm)

## Silver Star Road for MetroPlan - Feature 1, analyzed on 12/13/2017.

### Footprint analyzed

Title	Publication Date	Manuscript Number
ENVIRONMENTAL IMPACT REPORT, WESTERN BELTWAY - PART A, PROJECT DEVELOPMENT AND ENVIRONMENT STUDY FROM SR 50/FLORIDA'S TURNPIKE TO US 441 (SR 500)	1996	17476
A CULTURAL RESOURCES SURVEY OF A SEGMENT OF STATE ROAD 438 IN ORANGE COUNTY, FLORIDA.	1991	2846
THREE PROPOSED FLORIDA CELL TOWER SITES FL-3090B- 2304 N. GOLDENROD ROAD, ORLANDO; FL-3043B- 855 DILLARD STREET, WINTER GARDEN; FL-3041D- 562 W. SILVER STAR ROAD, OCOEE	2000	7874
ROAD TRANSFER OF STATE ROAD (SR) 439 TO SR 50, CITY OF OCOEE, ORANGE COUNTY, FLORIDA	2002	8256
PHASE 1 CULTURAL RESOURCE SURVEY OF SR 438 (SILVER STAR ROAD) FOR THE CONGESTION MANAGEMENT STUDY AND PD&E REEVALUATION	2003	8886
A VIEWSHED IMPACT ASSESSMENT OF THE PROPOSED WAREHOUSE PROPERTY TOWER LOCATION IN ORANGE COUNTY, FLORIDA	2004	10734
AN ARCHAEOLOGICAL AND HISTORICAL SURVEY OF THE PROPOSED WAREHOUSE PROPERTY TOWER LOCATION IN ORANGE COUNTY, FLORIDA	2004	10735

Summary: 700.44 acres, 309.5 percent of analysis area.

## Florida Site File Historic Standing Structures

### Historic Standing Structures recorded in the Florida State Historic Preservation Office Master Site File

Metadata: [http://www.fla-etat.org/est/metadata/shpo\\_structures.htm](http://www.fla-etat.org/est/metadata/shpo_structures.htm)

## Silver Star Road for MetroPlan - Feature 1, analyzed on 12/13/2017.

### Footprint analyzed

Site ID	Structure Name	Year Built	Survey Evaluation	SHPO Evaluation
OR09575	REEVES WELDING SHOP	C1950	INELIGIBLE FOR NRHP	INELIGIBLE FOR NRHP
OR09576	501B W. FRANKLIN ST	C1950	INELIGIBLE FOR NRHP	INELIGIBLE FOR NRHP
OR09577	501C W. FRANKLIN ST	C1950	INELIGIBLE FOR NRHP	INELIGIBLE FOR NRHP
OR09578	GLEEN'S PAINT & BODY	C1942	INELIGIBLE FOR NRHP	INELIGIBLE FOR NRHP

Site ID	Structure Name	Year Built	Survey Evaluation	SHPO Evaluation
	SHOP			
OR09579	562 SILVER STAR ROAD EXTENSION	C1935	INELIGIBLE FOR NRHP	INELIGIBLE FOR NRHP
OR09580	407 W. FRANKLIN ST	C1947	INELIGIBLE FOR NRHP	INELIGIBLE FOR NRHP
OR09581	403 W. FRANKLIN ST	C1950	INELIGIBLE FOR NRHP	INELIGIBLE FOR NRHP
OR09583	341 W. FRANKLIN ST	C1945	INELIGIBLE FOR NRHP	INELIGIBLE FOR NRHP
OR09584	243 OCOEE-APOPKA ROAD	C1957	INELIGIBLE FOR NRHP	INELIGIBLE FOR NRHP
OR09585	241 OCOEE-APOPKA ROAD	C1950	INELIGIBLE FOR NRHP	INELIGIBLE FOR NRHP
OR09586	336 W. FRANKLIN ST	C1944	INELIGIBLE FOR NRHP	INELIGIBLE FOR NRHP
OR09587	333 W FRANKLIN ST. N	C1925	INELIGIBLE FOR NRHP	INELIGIBLE FOR NRHP
OR09588	329 WEST FRANKLIN STREET NORTH	C1948	INELIGIBLE FOR NRHP	NOT EVALUATED BY SHPO
OR09589	318 LEE STREET	C1950	INELIGIBLE FOR NRHP	INELIGIBLE FOR NRHP
OR09590	327 W. SILVER STAR ROAD	C1953	INELIGIBLE FOR NRHP	INELIGIBLE FOR NRHP
OR09591	316 LEE ST	C1950	INELIGIBLE FOR NRHP	INELIGIBLE FOR NRHP
OR09592	313 LEE ST	C1953	INELIGIBLE FOR NRHP	INELIGIBLE FOR NRHP
OR09593	308 W. SILVER STAR ROAD	C1949	INELIGIBLE FOR NRHP	INELIGIBLE FOR NRHP
OR09594	242 TAYLOR ST	C1925	INELIGIBLE FOR NRHP	INELIGIBLE FOR NRHP
OR09595	280 TAYLOR STREET	C1928	INELIGIBLE FOR NRHP	INELIGIBLE FOR NRHP
OR09596	PALM TREE PROPERTIES, INC.	C1935	INELIGIBLE FOR NRHP	INELIGIBLE FOR NRHP
OR09597	301 W. SILVER STAR ROAD	C1944	INELIGIBLE FOR NRHP	INELIGIBLE FOR NRHP
OR09598	228 LEE ST	C1930	INELIGIBLE FOR NRHP	INELIGIBLE FOR NRHP
OR09599	224 LEE STREET	C1930	INELIGIBLE FOR NRHP	INELIGIBLE FOR NRHP
OR09600	208 LEE STREET	C1950	INELIGIBLE FOR NRHP	INELIGIBLE FOR NRHP
OR09601	FREEMAN LEGAL ASSOC., P.A.	C1930	INELIGIBLE FOR NRHP	INELIGIBLE FOR NRHP
OR09602	HARVEST CHURCH OF GOD	C1958	INELIGIBLE FOR NRHP	INELIGIBLE FOR NRHP
OR09603	147 W. SILVER STAR RD	C1940	INELIGIBLE FOR NRHP	INELIGIBLE FOR NRHP
OR00887	WITHERS MAQUIRE HOUSE	1888	ELIGIBLE FOR NRHP	NOT EVALUATED BY SHPO
OR03088	50 EAST SILVER STAR ROAD	C1940	INELIGIBLE FOR NRHP	INELIGIBLE FOR NRHP
OR03089	REEVES HOUSE	C1930	INELIGIBLE FOR NRHP	INELIGIBLE FOR NRHP
OR03090	H & R BLOCK INCOME TAX	C1925	INELIGIBLE FOR NRHP	INELIGIBLE FOR NRHP
OR03091	CENTRAL FLORIDA FUELS, INC	C1926	INELIGIBLE FOR NRHP	INELIGIBLE FOR NRHP
OR03104	AYCOCK, RICHARD HOUSE	1925	INELIGIBLE FOR NRHP	INELIGIBLE FOR NRHP
OR03105	HEATHERLY, THELMA HOUSE	C1935	INELIGIBLE FOR NRHP	INELIGIBLE FOR NRHP
OR06469	123 WEST MCKEY STREET	C1915	INELIGIBLE FOR NRHP	NOT EVALUATED BY SHPO
OR06470	DISCOUNT PHARMACY	C1924	INELIGIBLE FOR NRHP	NOT EVALUATED BY SHPO
OR06471	ABSOLUTE PRINTING	C1926	INELIGIBLE FOR NRHP	NOT EVALUATED BY SHPO
OR06473	MAGUIRE, F H HOUSE	C1920	INELIGIBLE FOR NRHP	NOT EVALUATED BY SHPO
OR06485	TAVARES & GULF RAILROAD DEPOT	1913	ELIGIBLE FOR NRHP	NOT EVALUATED BY SHPO
OR06486	TAVARES & GULF RR FREIGHT WAREHOUSE	C1920	INELIGIBLE FOR NRHP	NOT EVALUATED BY SHPO

Site ID	Structure Name	Year Built	Survey Evaluation	SHPO Evaluation
OR06487	RICHARDSON-MARSH PACKING HOUSE	C1927	INELIGIBLE FOR NRHP	NOT EVALUATED BY SHPO
OR06488	SCOTT, SAMUEL HOUSE	C1926	INELIGIBLE FOR NRHP	NOT EVALUATED BY SHPO
OR06489	BLAKELEY, WP HOUSE	C1890	INELIGIBLE FOR NRHP	NOT EVALUATED BY SHPO
OR06490	114 WEST OAKLAND AVENUE	C1923	INELIGIBLE FOR NRHP	NOT EVALUATED BY SHPO
OR06491	89 WEST OAKLAND AVENUE	C1890	INELIGIBLE FOR NRHP	NOT EVALUATED BY SHPO
OR06492	30 WEST OAKLAND AVENUE	C1923	INELIGIBLE FOR NRHP	NOT EVALUATED BY SHPO
OR06493	MINOR, B A HOUSE	C1920	INELIGIBLE FOR NRHP	NOT EVALUATED BY SHPO
OR06494	TYLER, WILLIAM HOUSE	C1890	INELIGIBLE FOR NRHP	NOT EVALUATED BY SHPO
OR06495	325 WEST LEE STREET	C1926	INELIGIBLE FOR NRHP	NOT EVALUATED BY SHPO
OR06497	220 WEST FRANKLIN STREET	C1920	INELIGIBLE FOR NRHP	NOT EVALUATED BY SHPO
OR06498	240 NORTH TAYLOR STREET	C1924	INELIGIBLE FOR NRHP	INELIGIBLE FOR NRHP
OR06499	312 WEST LEE STREET	C1924	INELIGIBLE FOR NRHP	INELIGIBLE FOR NRHP
OR06500	301 WEST FRANKLIN STREET	C1924	INELIGIBLE FOR NRHP	NOT EVALUATED BY SHPO
OR06501	147 LYLE STREET	C1924	INELIGIBLE FOR NRHP	NOT EVALUATED BY SHPO
OR06502	144 LYLE STREET	C1924	INELIGIBLE FOR NRHP	NOT EVALUATED BY SHPO
OR06503	340 WEST FRANKLIN STREET	C1920	INELIGIBLE FOR NRHP	INELIGIBLE FOR NRHP
OR06504	317 WEST LEE STREET	C1940	INELIGIBLE FOR NRHP	INELIGIBLE FOR NRHP
OR06505	2 EAST LAKE VIEW STREET	C1920	INELIGIBLE FOR NRHP	NOT EVALUATED BY SHPO
OR06506	14 EAST LAKE VIEW STREET	C1920	INELIGIBLE FOR NRHP	NOT EVALUATED BY SHPO
OR06507	43 EAST LAKE VIEW STREET	C1920	INELIGIBLE FOR NRHP	NOT EVALUATED BY SHPO
OR06508	28 EAST MCKEY STREET	C1926	INELIGIBLE FOR NRHP	NOT EVALUATED BY SHPO
OR06509	1 EAST SILVER STAR ROAD	C1920	INELIGIBLE FOR NRHP	NOT EVALUATED BY SHPO
OR06510	200 NORTH BLUFORD AVENUE	C1940	INELIGIBLE FOR NRHP	NOT EVALUATED BY SHPO
OR06511	10 WEST FRANKLIN STREET	C1925	INELIGIBLE FOR NRHP	NOT EVALUATED BY SHPO
OR06512	180 NORTH CUMBERLAND AVENUE	C1890	INELIGIBLE FOR NRHP	NOT EVALUATED BY SHPO
OR06518	16 EAST MAGNOLIA STREET	C1926	INELIGIBLE FOR NRHP	NOT EVALUATED BY SHPO
OR06520	SCOTT BUILDING	C1926	INELIGIBLE FOR NRHP	NOT EVALUATED BY SHPO
OR06522	324 NORTH BLUFORD AVENUE	C1925	INELIGIBLE FOR NRHP	NOT EVALUATED BY SHPO
OR06523	345 NORTH BLUFORD AVENUE	C1925	INELIGIBLE FOR NRHP	NOT EVALUATED BY SHPO
OR06537	401 NORTH STATE ROAD 437	C1920	INELIGIBLE FOR NRHP	NOT EVALUATED BY SHPO

**Summary: 71 feature(s) found within buffer.**

## Local Florida Parks and Recreational Facility Boundaries

**Metadata:** [http://www.fla-etat.org/est/metadata/gc\\_parksbnd.htm](http://www.fla-etat.org/est/metadata/gc_parksbnd.htm)

**Silver Star Road for MetroPlan - Feature 1, analyzed on 12/13/2017.**

**Footprint analyzed**

Name	Type
PALM PARK	NEIGHBORHOOD PARK / WALKING PATH

Name	Type
PALM DRIVE PARK	NEIGHBORHOOD PARK / PLAYGROUND

Summary: 1.31 acres, .58 percent of analysis area.

**National Register of Historic Places**

Metadata: [http://www.fla-etat.org/est/metadata/shpo\\_natl\\_register.htm](http://www.fla-etat.org/est/metadata/shpo_natl_register.htm)

**Silver Star Road for MetroPlan - Feature 1, analyzed on 12/13/2017.**

**Footprint analyzed**

Primary Name	Site ID	Date listed on NRHP
WITHERS--MAGUIRE HOUSE	OR00887	19870402
WOMAN'S CLUB OF OCOEE	OR06521	20110214

Summary: .34 acres, .15 percent of analysis area.

# Cultural Resources Data Map

- Area of Interest
- Major Road
- Local Road or Trail
- Historic Structure
- Historic Bridge
- State Historic Highway
- Historic Cemetery
- Historic Resource Group
- Cultural Resource Field Survey Area

## Year Built

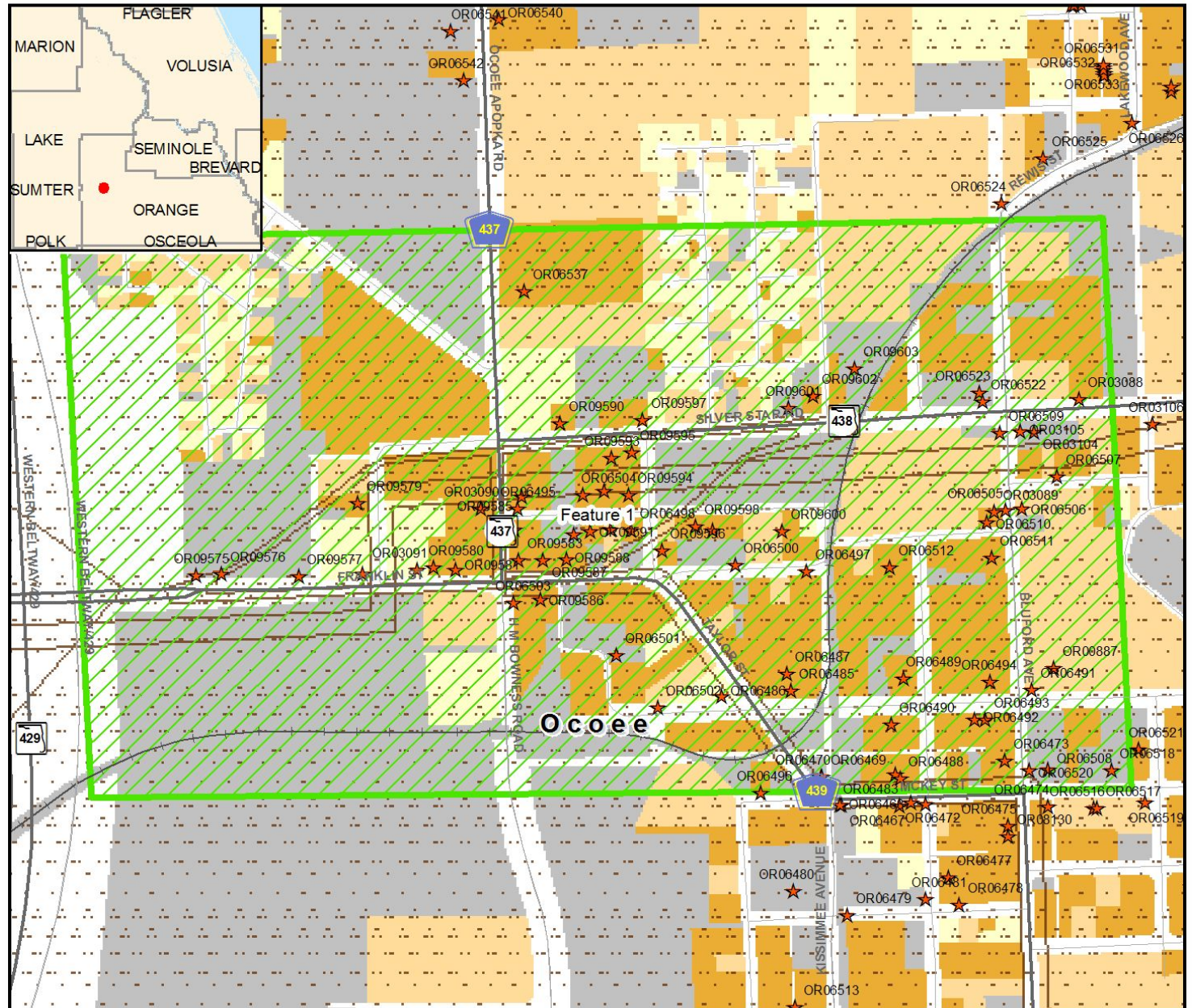
- Pre 1970
- Post 1980
- 1970 - 1979
- Parcels w/ no values



0 0.04 0.08 0.16 Miles



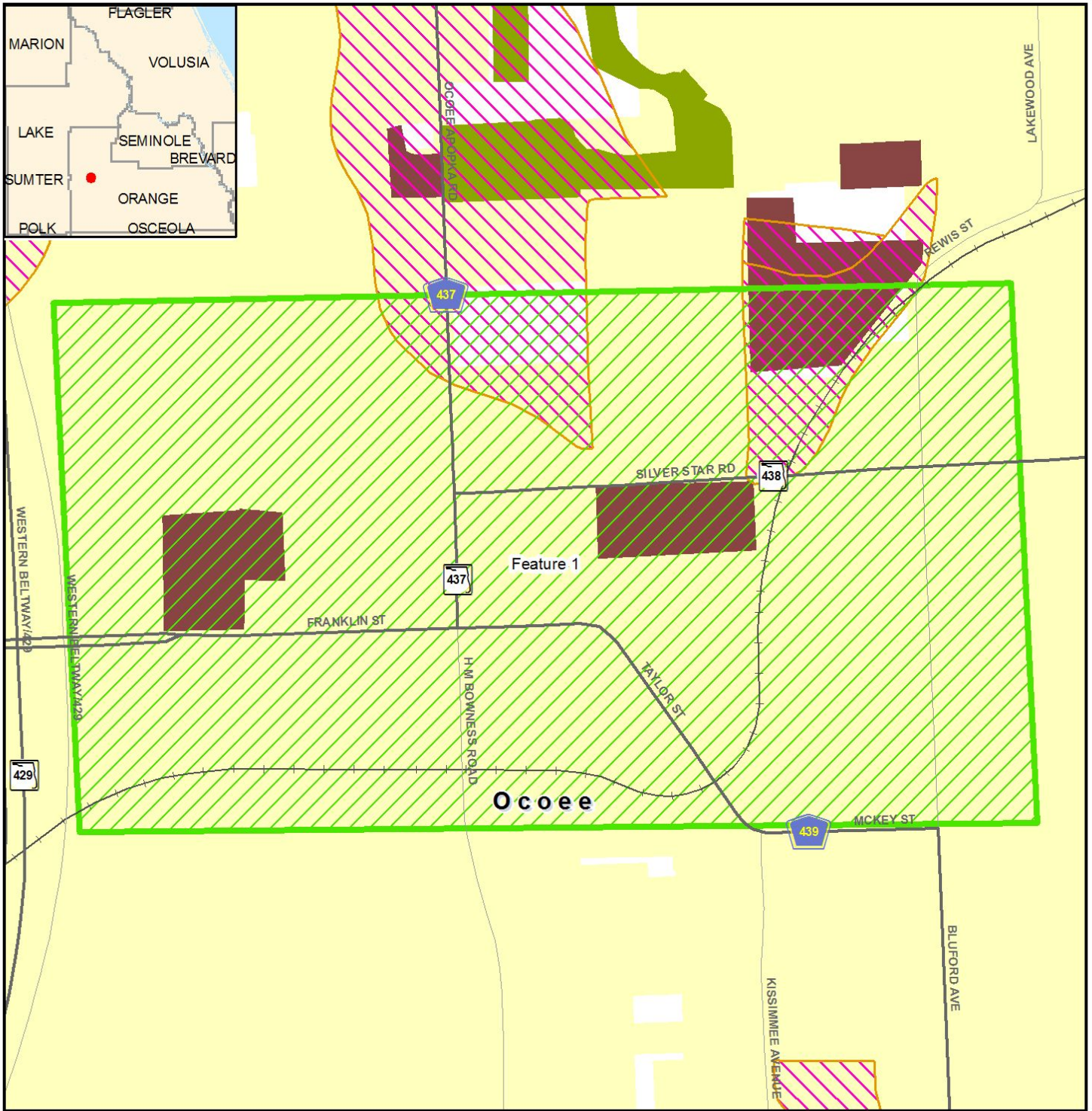
Data Sources:  
 NAVTEQ  
 US Geological Survey  
 Florida Department of Transportation  
 Florida Department of State,  
 Bureau of Archaeological Research



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12/13/2017

# AOI - Silver Star Road for MetroPlan



## Farmlands Map

- Area of Interest
- Cropland/Pastureland
- Prime Farmland Soils
- Major Road
- Nurseries/Vineyards
- Local Road or Trail
- Specialty Farms
- Tree Crops
- Rural Open Lands
- City Limits

Data Sources:  
 NAVTEQ  
 Florida Water Management Districts  
 US Geological Survey  
 Natural Resources Conservation Services

0 0.035 0.07 0.14 Miles

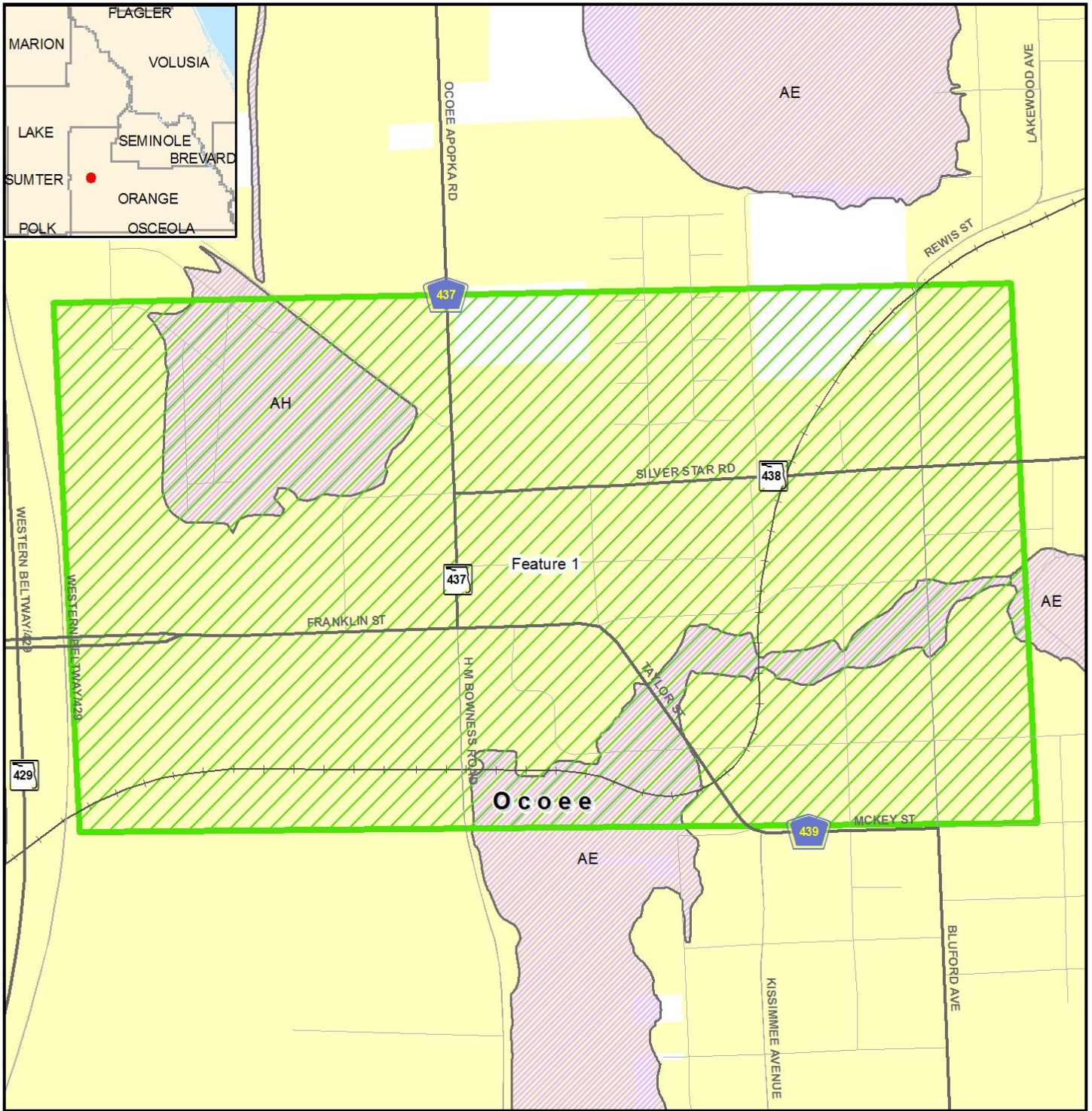


**etdm**  
 Environmental Screening Tool



12/13/2017

# AOI - Silver Star Road for MetroPlan



## Floodplains Map

- Area of Interest
- Special Flood Hazard Area
- Major Road
- Local Road or Trail
- City Limits

Data Sources:  
 NAVTEQ  
 US Geological Survey  
 Federal Emergency Management Agency

0 0.04 0.08 0.16 Miles

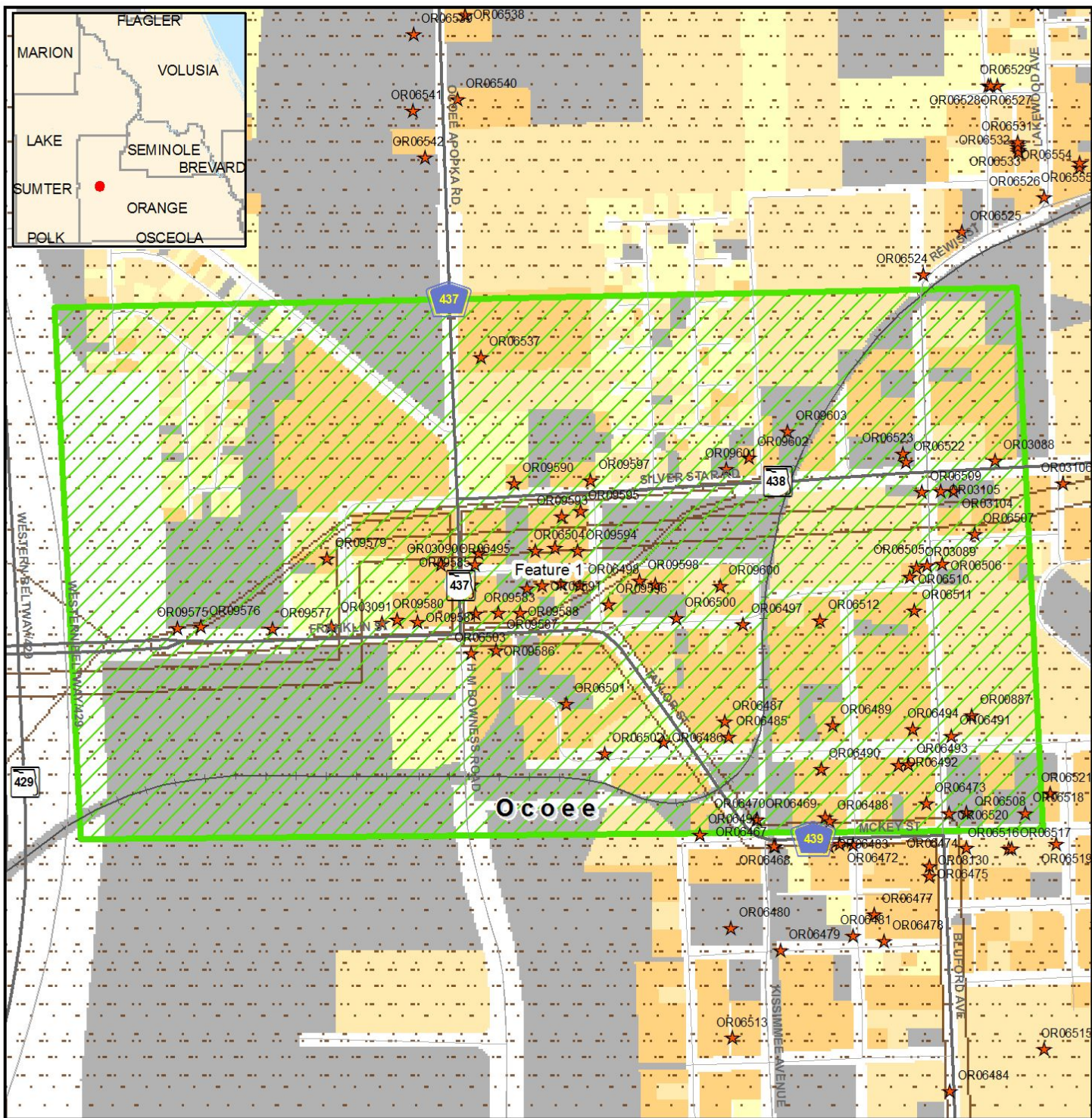


**etdm**  
 Environmental Screening Tool



12/13/2017

# AOI - Silver Star Road for MetroPlan



## Historic Resource Map

- |                     |                      |                                     |
|---------------------|----------------------|-------------------------------------|
| Area of Interest    | Year Built           | Historic Structure                  |
| Major Road          | Pre 1970             | Historic Bridge                     |
| Local Road or Trail | Post 1980            | State Historic Highway              |
|                     | 1970 - 1979          | Historic Cemetery                   |
|                     | Parcels w/ no values | Historic Resource Group             |
|                     |                      | Cultural Resource Field Survey Area |

Data Sources:  
 NAVTEQ  
 US Geological Survey  
 Florida Department of Transportation  
 Florida Department of State,  
 Bureau of Archaeological Research

Note: Historic properties depicted on this map represent resources listed in the Florida Master Site File excluding archeological site locations, which, pursuant to Chapter 267.135, Florida Statutes, may be exempt from public record (Chapter 119.07, Florida Statutes). Absence of features on the map does not necessarily indicate an absence of resources in the project vicinity.

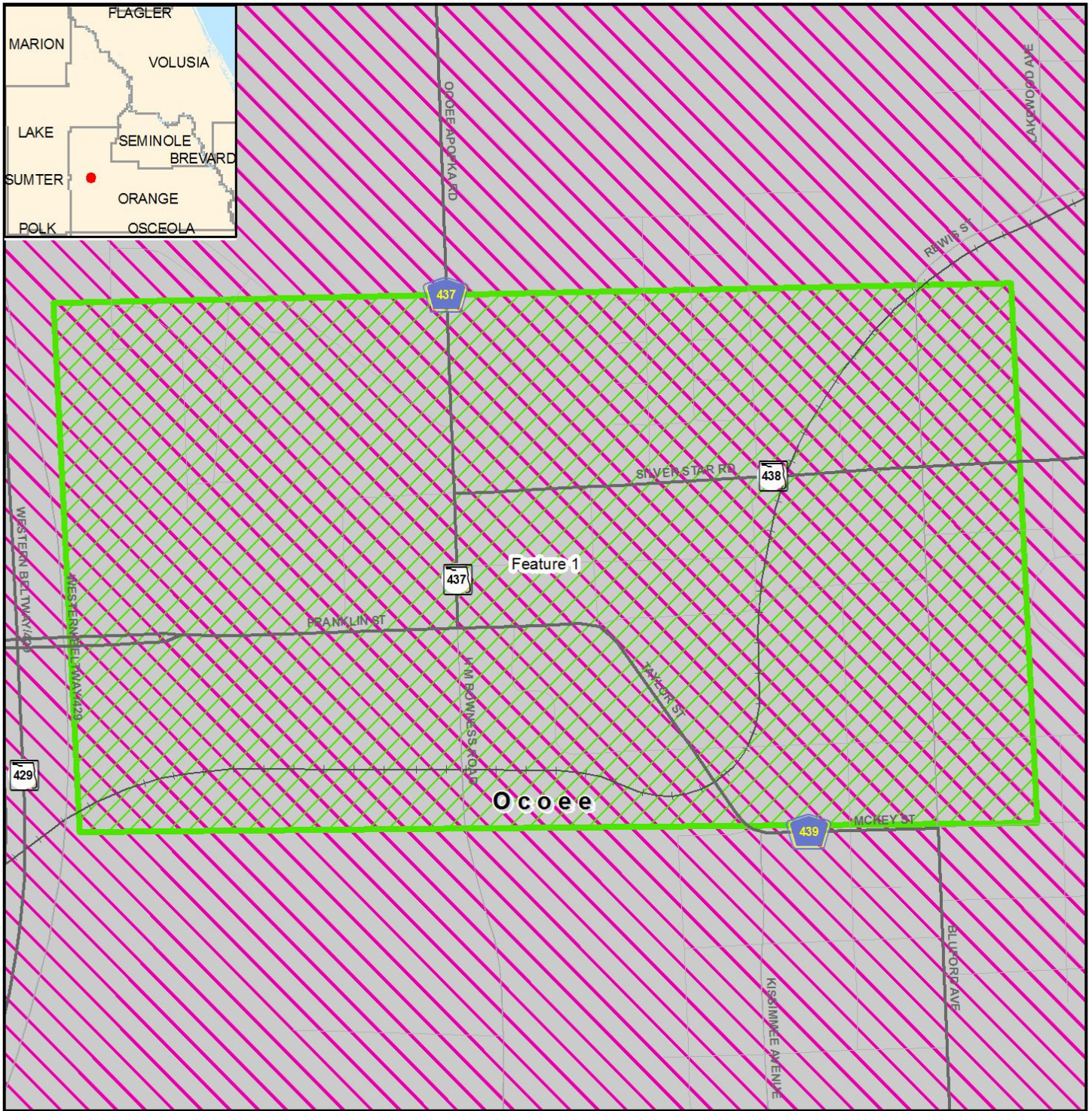
0 0.0375 0.075 0.15 Miles



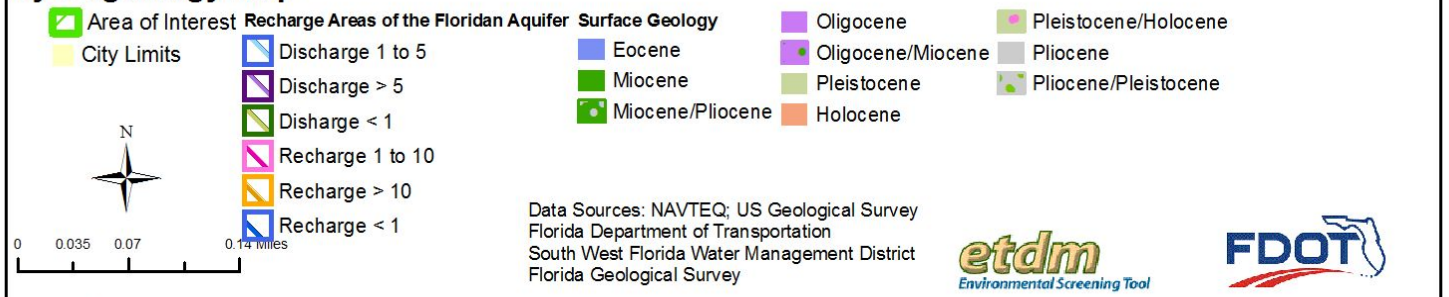
12/13/2017



# AOI - Silver Star Road for MetroPlan

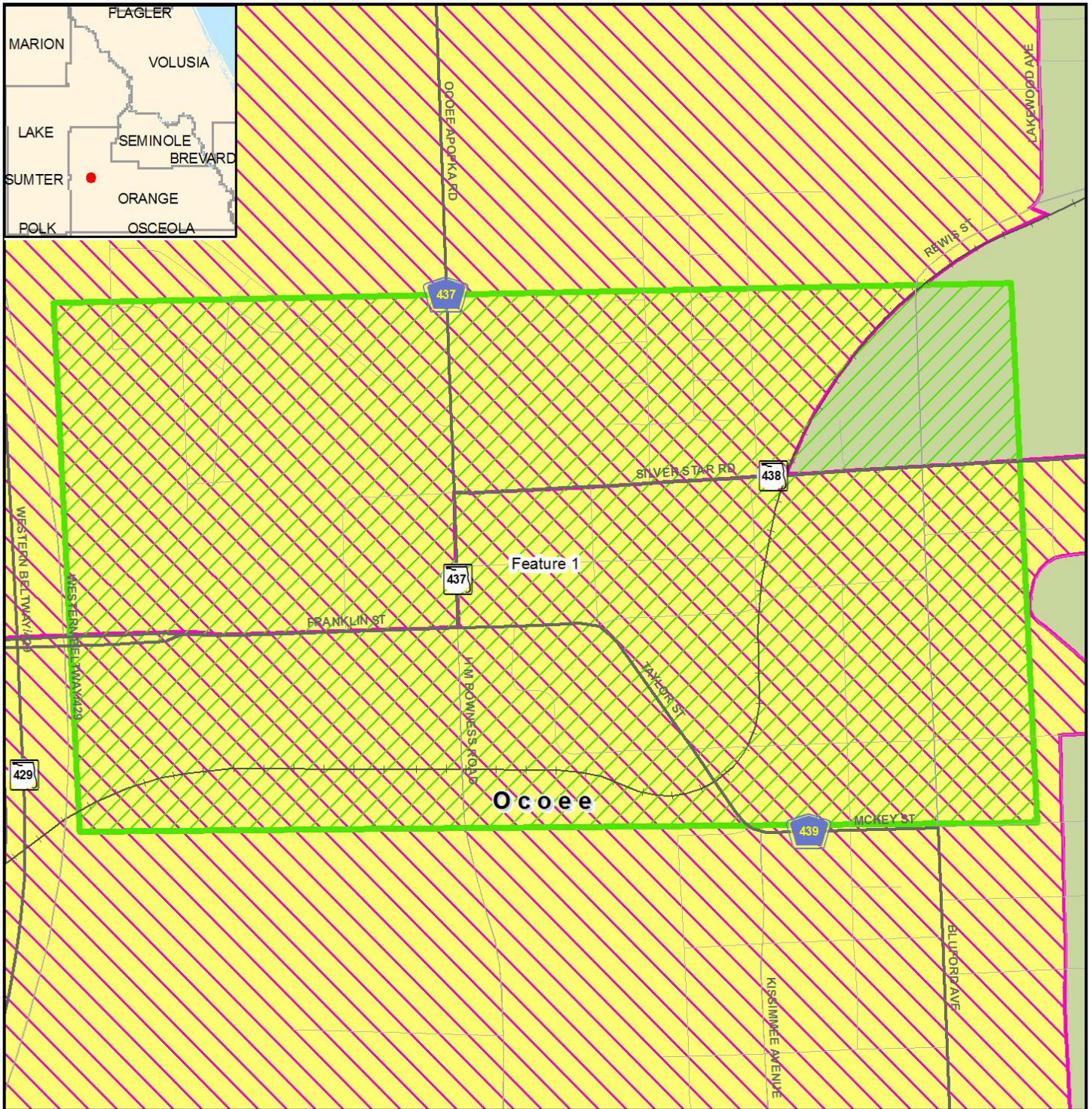


## Hydrogeology Map

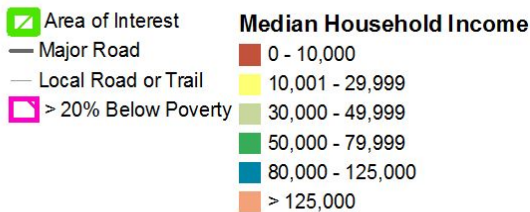


12/13/2017

# AOI - Silver Star Road for MetroPlan



## Income Map



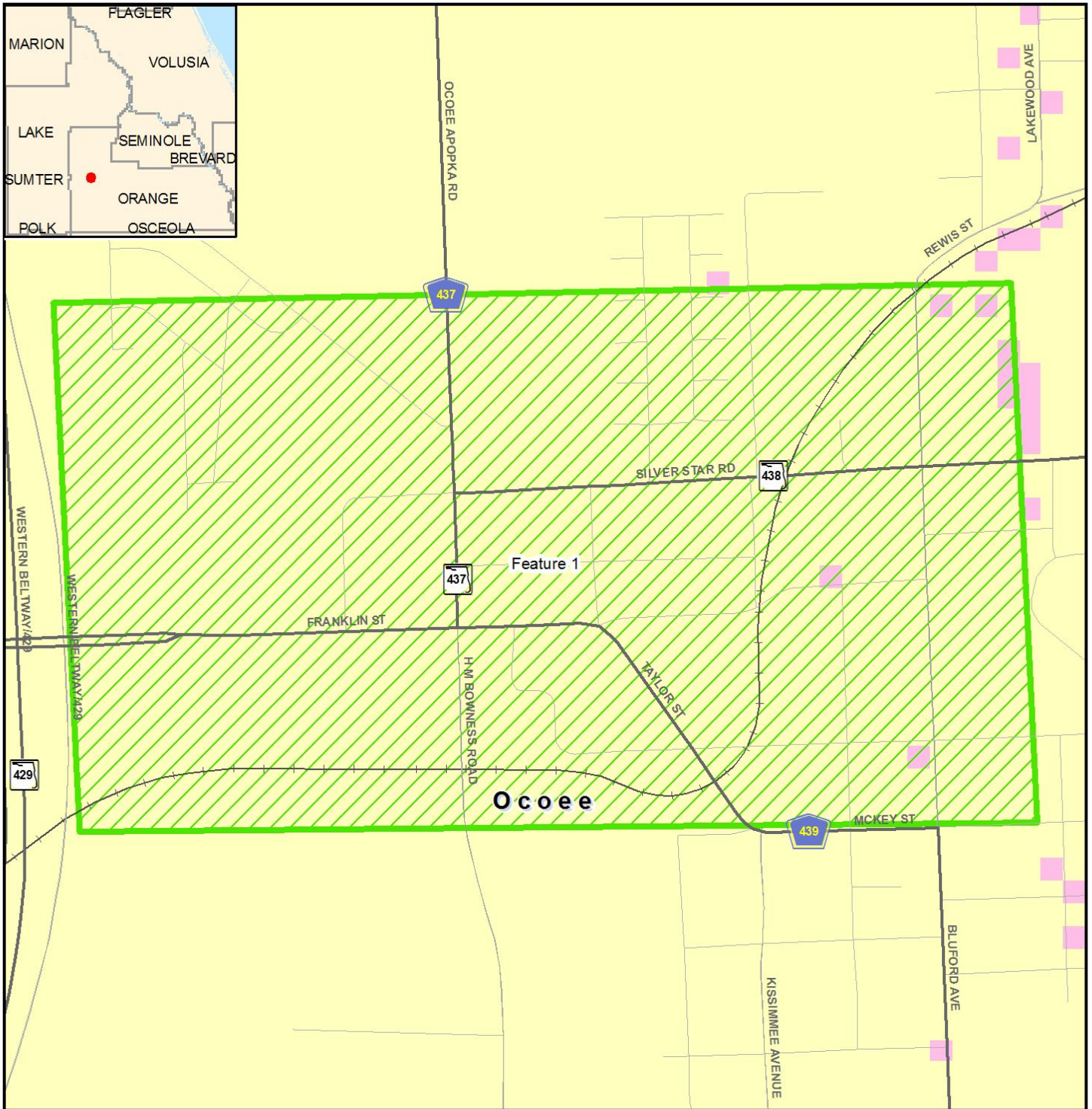
Data Sources:  
 US Geological Survey  
 FL Department of Transportation  
 NAVTEQ  
 US Census Bureau (2010)

0 0.04 0.08 0.16 Miles



12/13/2017

# AOI - Silver Star Road for MetroPlan



## Integrated Wildlife Model Map

- Area of Interest
- Low Habitat Quality
- Medium Habitat Quality
- High Habitat Quality
- Major Road
- Local Road or Trail

Data Sources:  
 NAVTEQ  
 US Geological Survey  
 Florida Department of Transportation  
 Florida Fish & Wildlife Conservation Commission

0 0.04 0.08 0.16 Miles

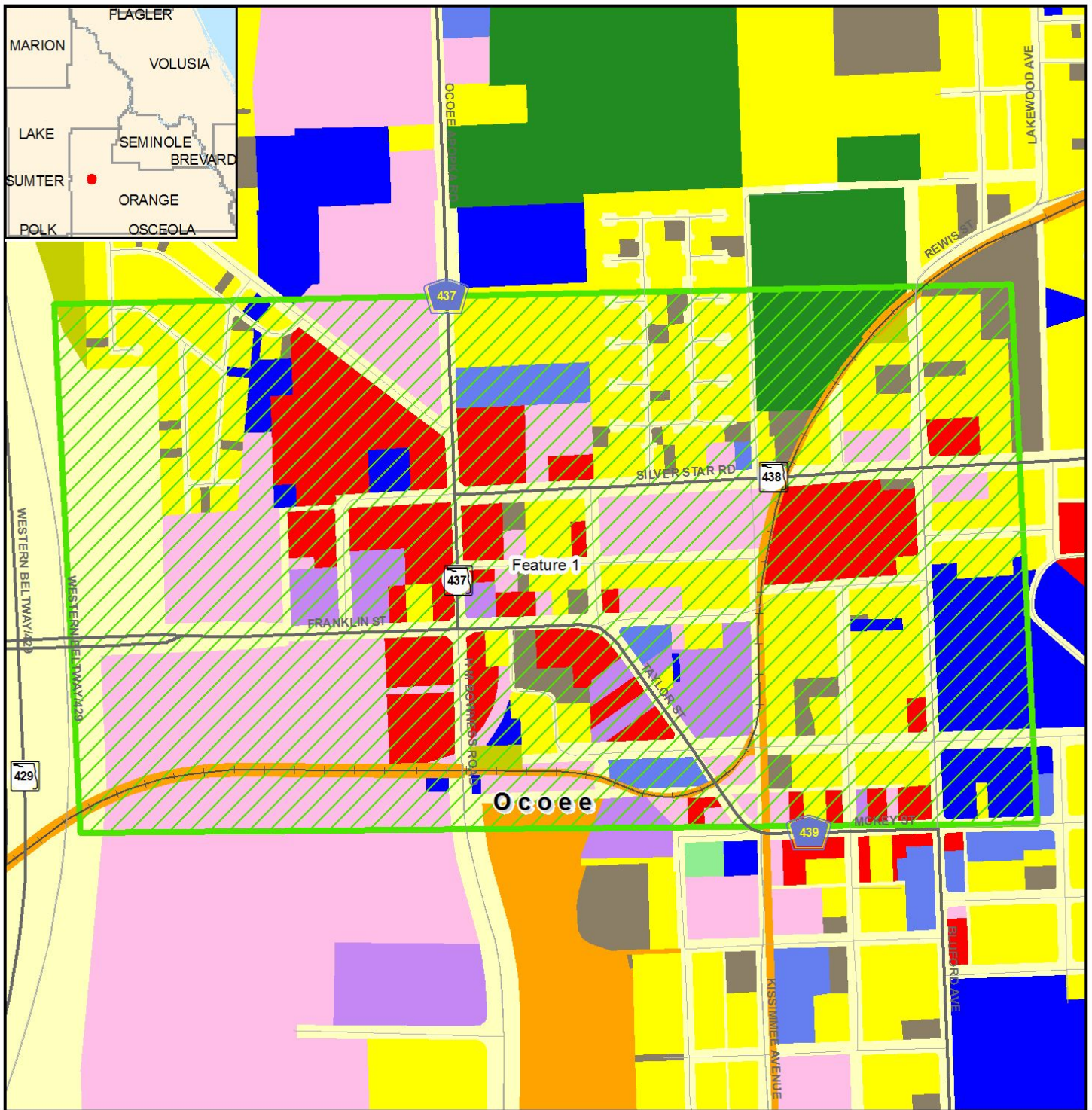


**etdm**  
 Environmental Screening Tool



12/13/2017

# AOI - Silver Star Road for MetroPlan



## Land Use Map

- |                         |               |              |                         |
|-------------------------|---------------|--------------|-------------------------|
| Area of Interest        | Agricultural  | Other        | Retail/Office           |
| Major Road              | Industrial    | Public       | Vacant (Residential)    |
| Local Road or Trail     | Institutional | Right-of-Way | Vacant (Nonresidential) |
| Mining                  | Recreational  | Water        | No Data                 |
| Open (Not Agricultural) | Residential   |              |                         |

Data Sources:  
 NAVTEQ  
 US Geological Survey  
 Florida Department of Revenue  
 Florida Department of Transportation  
 Florida County Property Appraiser Offices

0 0.04 0.08 0.16 Miles



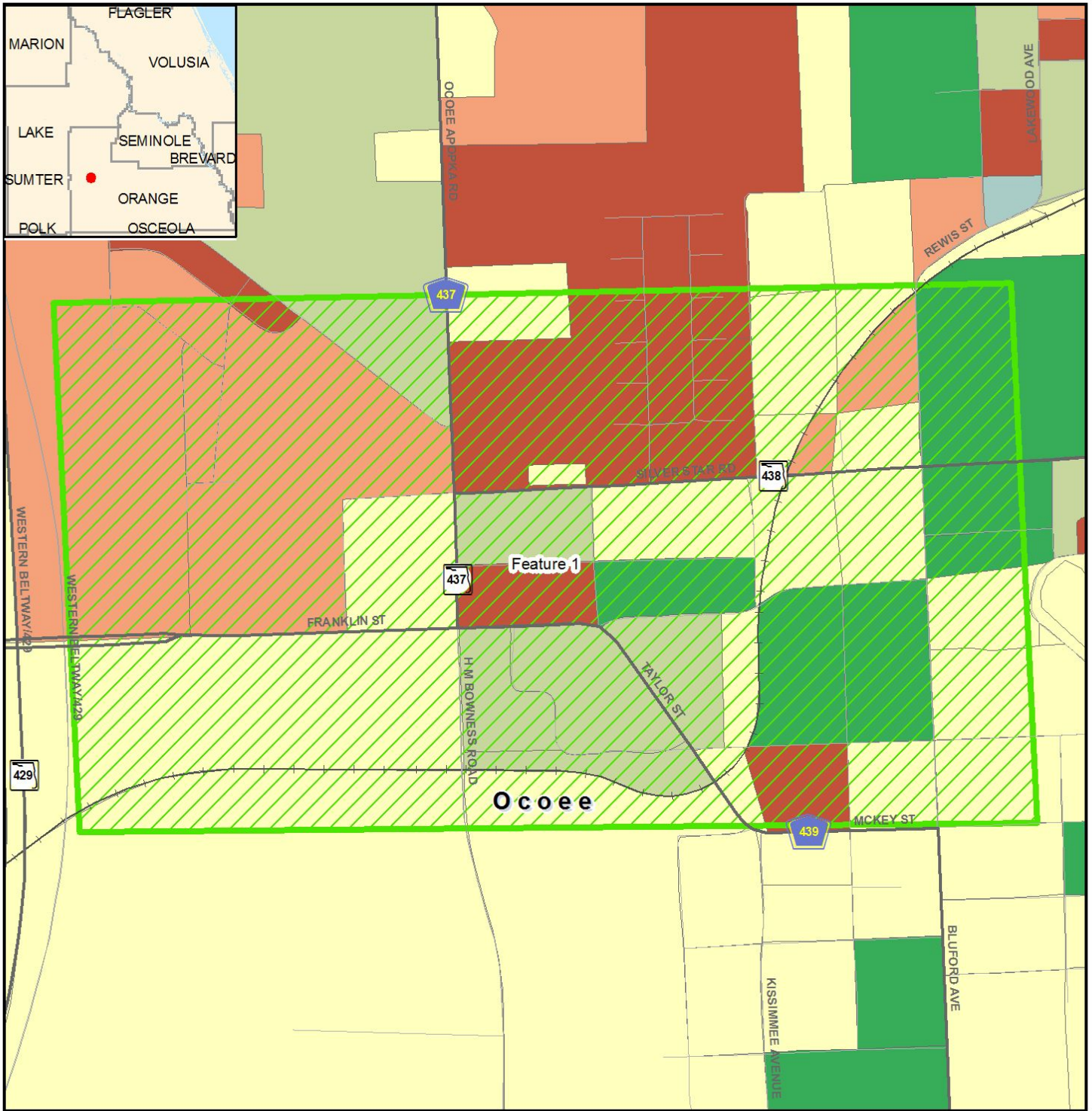
**etdm**  
 Environmental Screening Tool



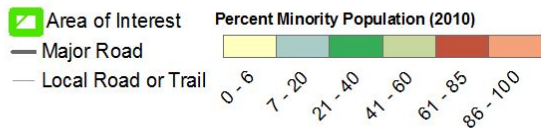
12/13/2017

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# AOI - Silver Star Road for MetroPlan



## Minority Population Map



Data Sources:  
 US Geological Survey  
 FL Department of Transportation  
 NAVTEQ  
 US Census Bureau (2010)

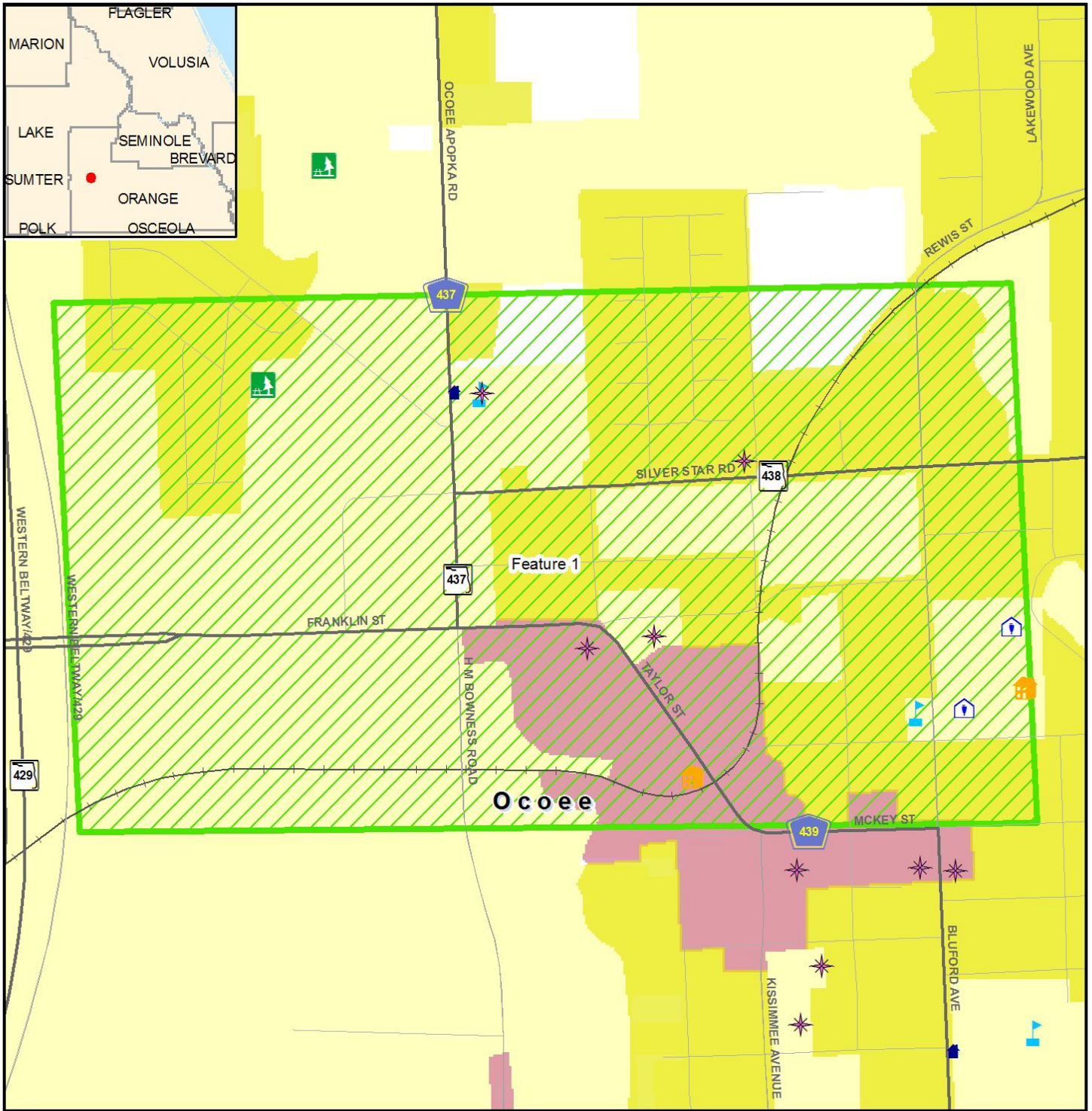


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 Environmental Screening Tool



12/13/2017

# AOI - Silver Star Road for MetroPlan

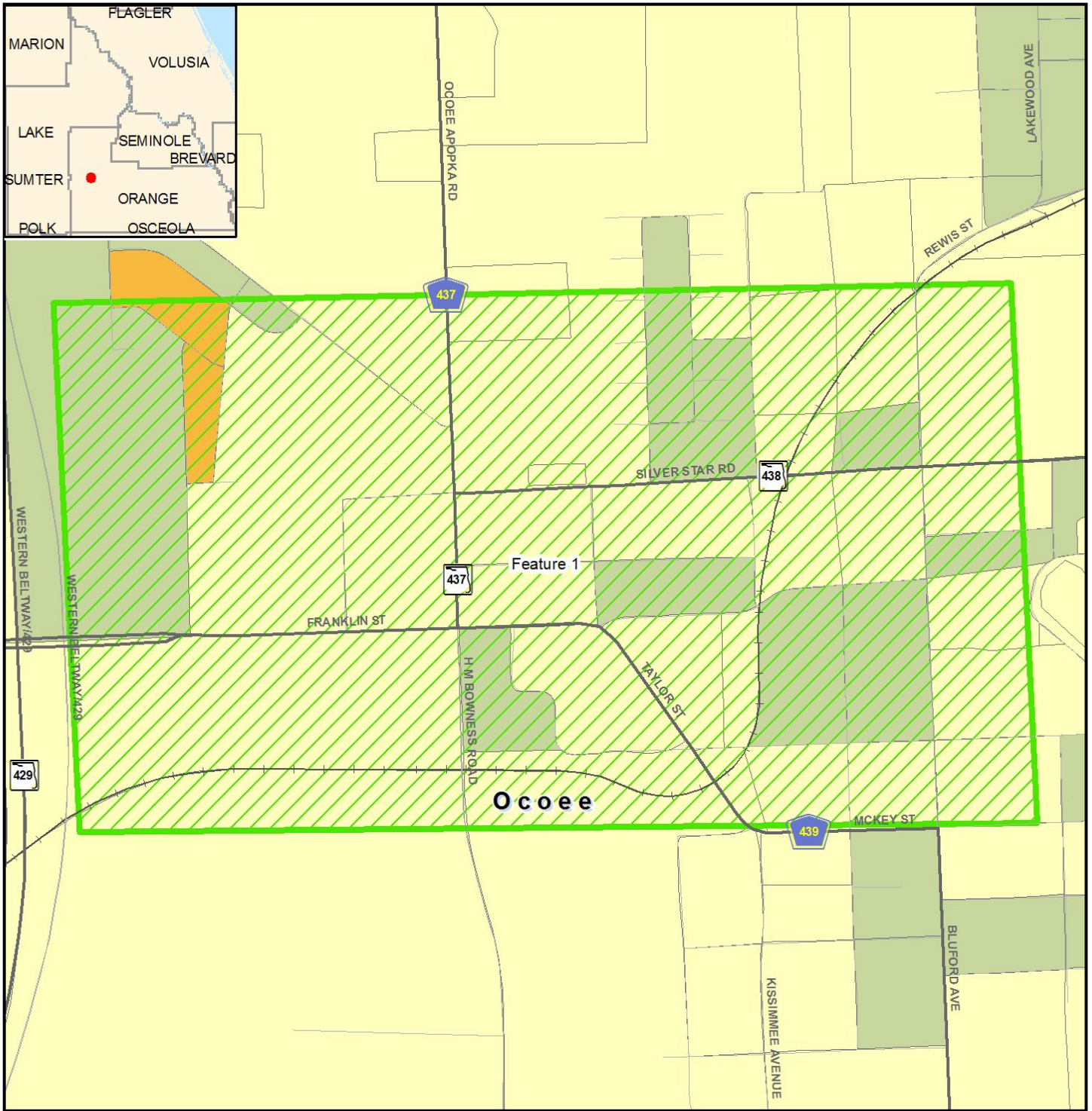


## Noise Map

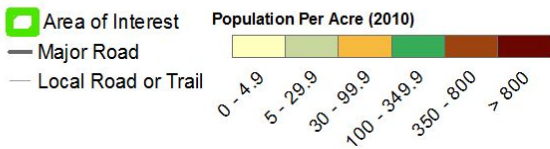


12/13/2017

# AOI - Silver Star Road for MetroPlan



## Population Density Map



Data Sources:  
 US Geological Survey  
 FL Department of Transportation  
 NAVTEQ  
 US Census Bureau (2010)

0.016.03 0.06 Miles

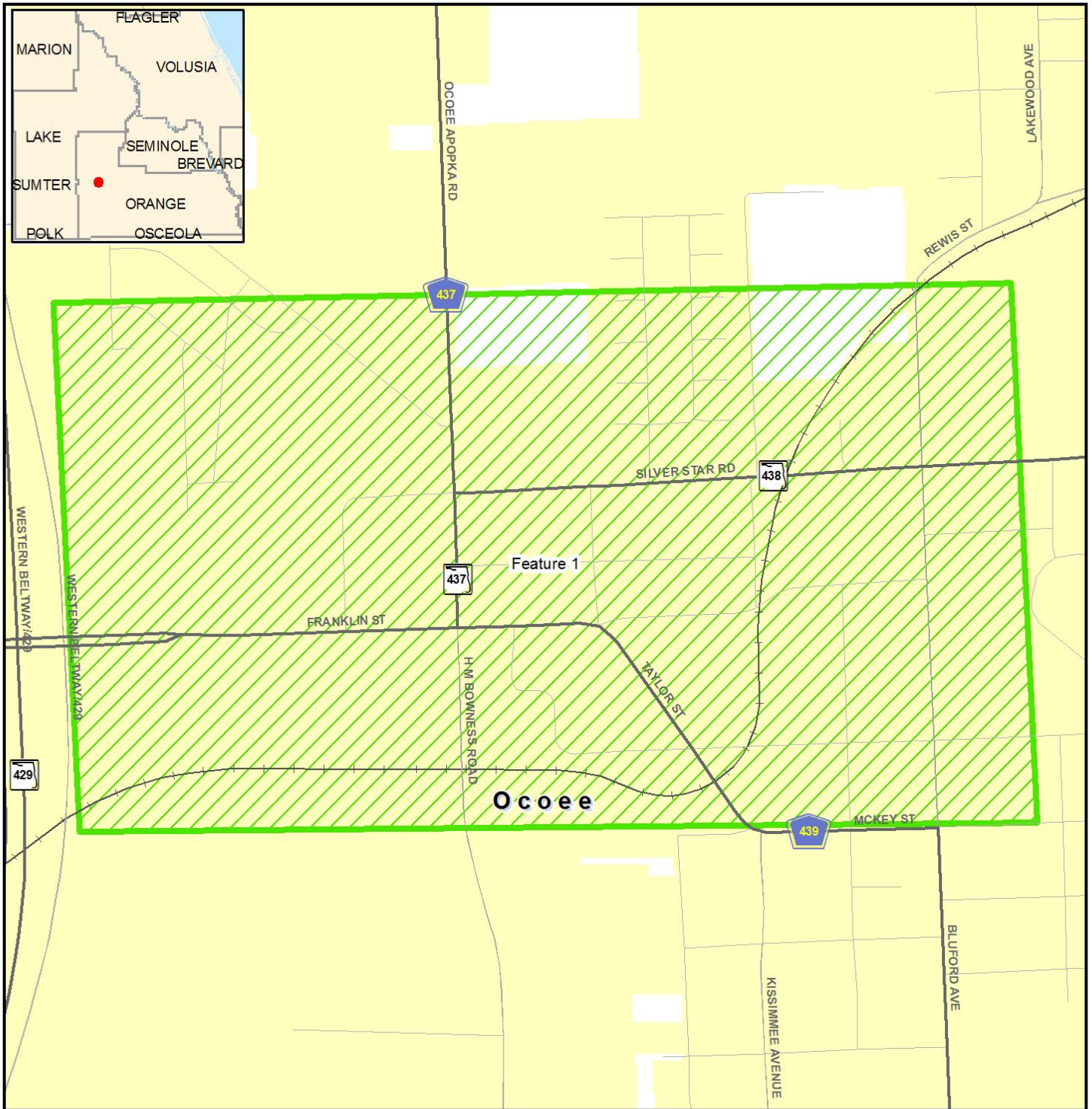


**etdm**  
 Environmental Screening Tool



12/13/2017

# AOI - Silver Star Road for MetroPlan



## Project Base Map

- Area of Interest
- Managed Conservation Lands
- Major Road
- Local Road or Trail
- City Limits

Data Sources:  
 NAVTEQ  
 US Geological Survey  
 US Census Bureau  
 County Property Appraisers  
 Florida Natural Areas Inventory

0 0.035 0.07 0.14 Miles

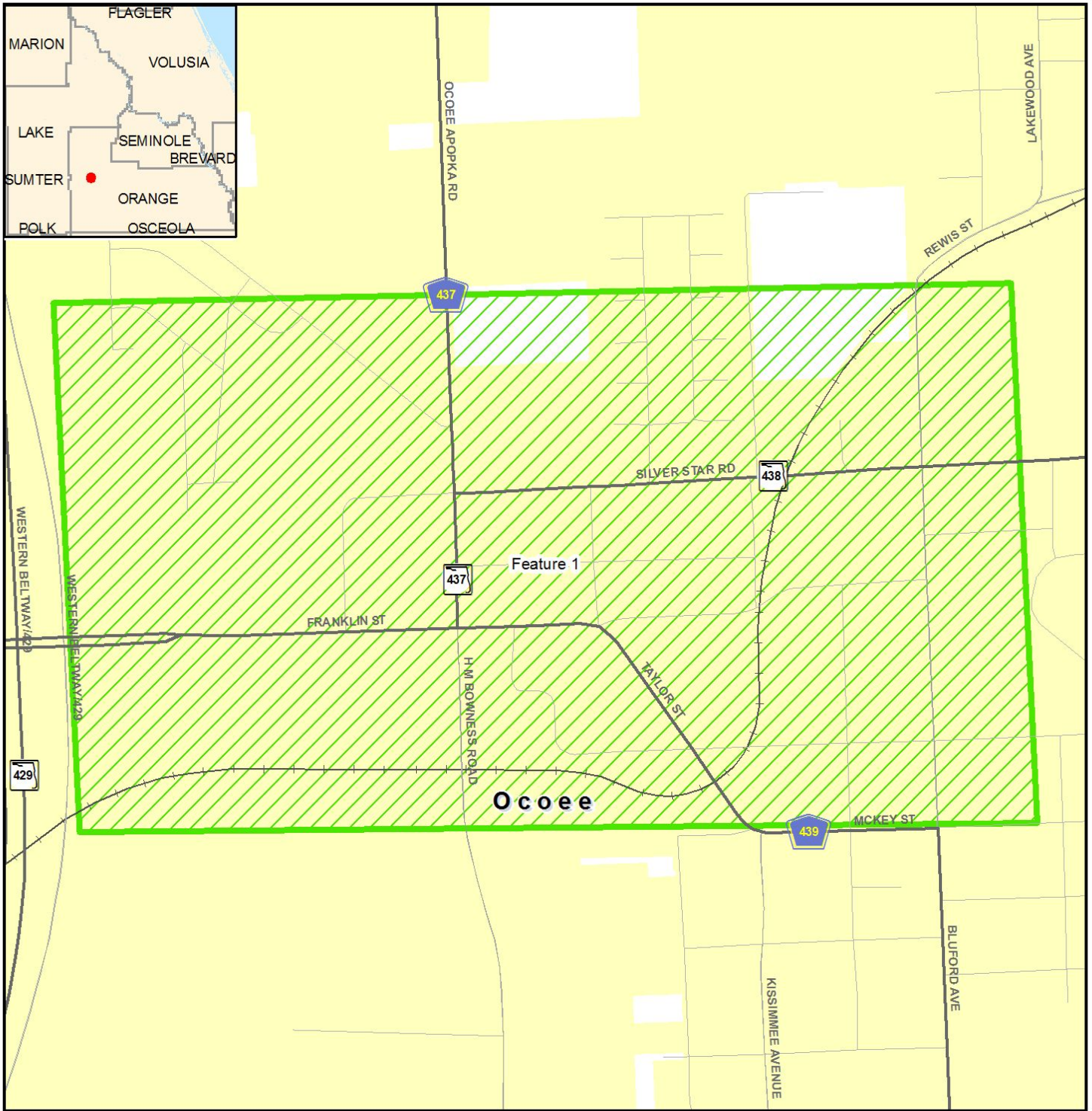


**etdm**  
 Environmental Screening Tool



12/13/2017

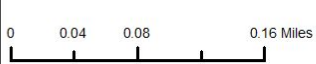
# AOI - Silver Star Road for MetroPlan



## Recreational Areas Map

- Area of Interest
- Conservation or Recreation Area
- Major Road
- Local Road or Trail
- City Limits

Data Sources:  
 NAVTEQ  
 US Geological Survey  
 Florida Natural Areas Inventory



12/13/2017

# Sociocultural Data Report

## Silver Star Road for MetroPlan - Feature 1

**Area:** 0.354 square miles  
**Jurisdiction(s):** **Cities:** Ocoee  
**Counties:** Orange

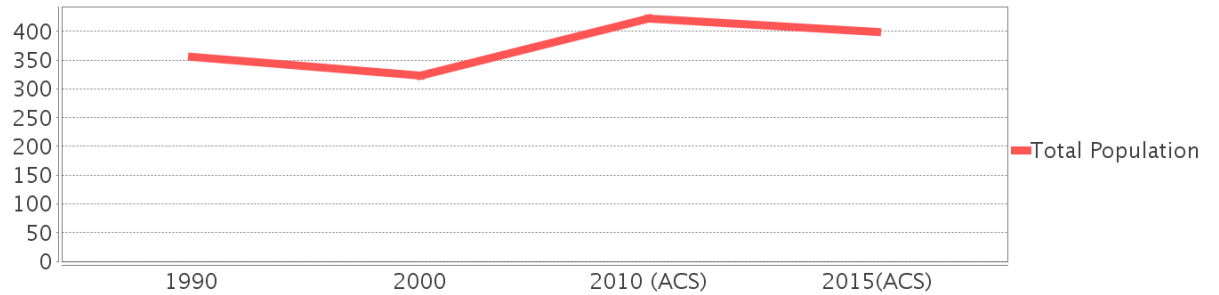
### General Population Trends

Description	1990	2000	2010 (ACS)	2015(ACS)
Total Population	355	323	422	399
Total Households	128	106	137	140
Average Persons per Acre	2.18	3.38	4.05	3.86
Average Persons per Household	2.84	3.09	3.33	2.95
Average Persons per Family	3.31	3.52	3.33	3.66
Males	174	154	218	198
Females	180	168	203	201

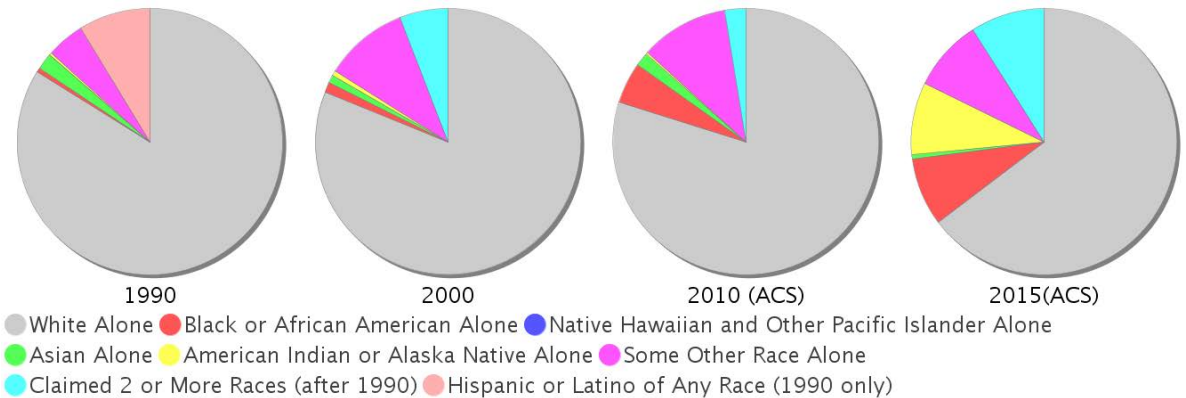
### Race and Ethnicity Trends

Description	1990	2000	2010 (ACS)	2015(ACS)
White Alone	326 (91.83%)	262 (81.11%)	336 (79.62%)	258 (64.66%)
Black or African American Alone	2 (0.56%)	4 (1.24%)	21 (4.98%)	33 (8.27%)
Native Hawaiian and Other Pacific Islander Alone	0 (0.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
Asian Alone	8 (2.25%)	3 (0.93%)	7 (1.66%)	2 (0.50%)
American Indian or Alaska Native Alone	1 (0.28%)	2 (0.62%)	1 (0.24%)	35 (8.77%)
Some Other Race Alone	18 (5.07%)	33 (10.22%)	45 (10.66%)	35 (8.77%)
Claimed 2 or More Races	NA (NA)	19 (5.88%)	11 (2.61%)	36 (9.02%)
Hispanic or Latino of Any Race	34 (9.58%)	89 (27.55%)	144 (34.12%)	114 (28.57%)
Not Hispanic or Latino	321 (90.42%)	234 (72.45%)	278 (65.88%)	285 (71.43%)
Minority	46 (12.96%)	109 (33.75%)	176 (41.71%)	214 (53.63%)

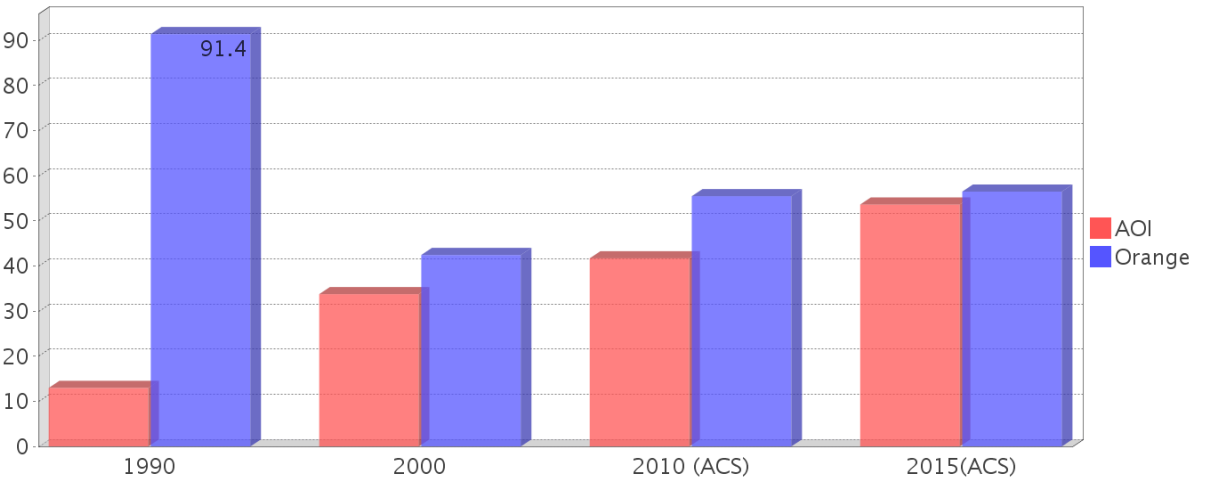
**Population**



**Race**



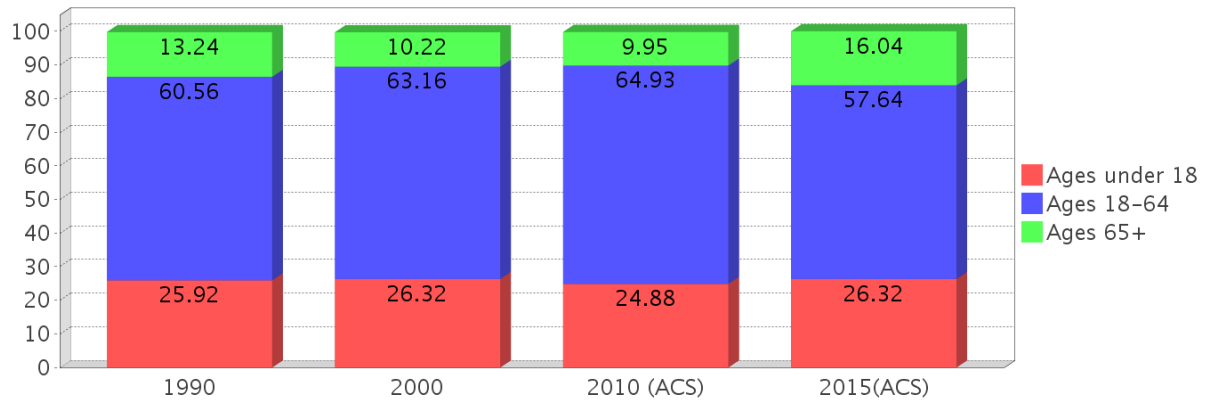
**Minority Percentage Population**



### Age Trends

Description	1990	2000	2010 (ACS)	2015(ACS)
Under Age 5	8.73%	8.36%	7.82%	8.27%
Ages 5-17	17.18%	17.96%	17.06%	18.05%
Ages 18-21	7.89%	8.98%	5.45%	3.26%
Ages 22-29	12.96%	13.93%	12.09%	12.03%
Ages 30-39	14.08%	13.00%	14.69%	11.03%
Ages 40-49	12.11%	14.86%	14.22%	11.28%
Ages 50-64	13.52%	12.38%	18.48%	20.05%
Age 65 and Over	13.24%	10.22%	9.95%	16.04%
-Ages 65-74	6.48%	6.81%	5.69%	9.52%
-Ages 75-84	5.07%	2.79%	3.08%	6.27%
-Age 85 and Over	1.41%	0.62%	1.18%	0.25%
Median Age	NA	33	35	39

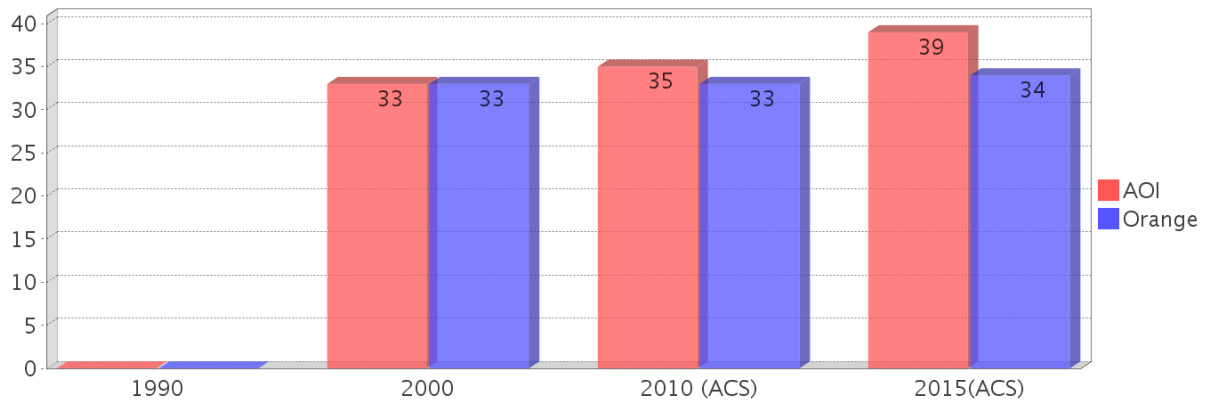
### Population by Age Group



### Income Trends

Description	1990	2000	2010 (ACS)	2015(ACS)
Median Household Income	\$30,938	\$35,417	\$50,823	\$29,808
Median Family Income	\$38,550	\$32,933	\$39,205	NA
Population below Poverty Level	15.21%	14.55%	6.87%	36.59%
Households below Poverty Level	13.28%	13.21%	8.03%	30.71%
Households with Public Assistance Income	5.47%	1.89%	0.00%	2.86%

### Median Age Comparison

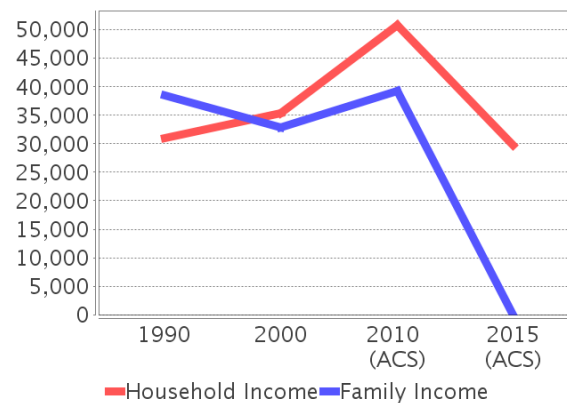


### Disability Trends

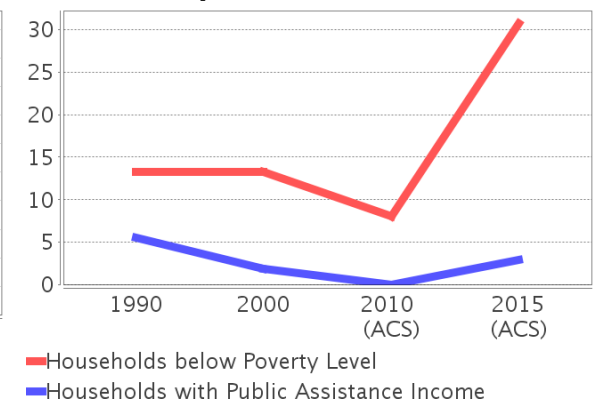
See the Data Sources section below for an explanation about the differences in disability data among the various years.

Description	1990	2000	2010 (ACS)	2015(ACS)
Population 16 To 64 Years with a disability	22 (8.00%)	72 (24.41%)	(NA)	(NA)
Population 20 To 64 Years with a disability	(NA)	(NA)	(NA)	44 (19.64%)

### Income Trends



### Poverty and Public Assistance



## Educational Attainment Trends

Age 25 and Over

Description	1990	2000	2010 (ACS)	2015(ACS)
Less than 9th Grade	48 (22.86%)	36 (18.75%)	29 (11.51%)	72 (26.37%)
9th to 12th Grade, No Diploma	50 (23.81%)	43 (22.40%)	35 (13.89%)	27 (9.89%)
High School Graduate or Higher	112 (53.33%)	112 (58.33%)	188 (74.60%)	174 (63.74%)
Bachelor's Degree or Higher	17 (8.10%)	20 (10.42%)	36 (14.29%)	36 (13.19%)

## Language Trends

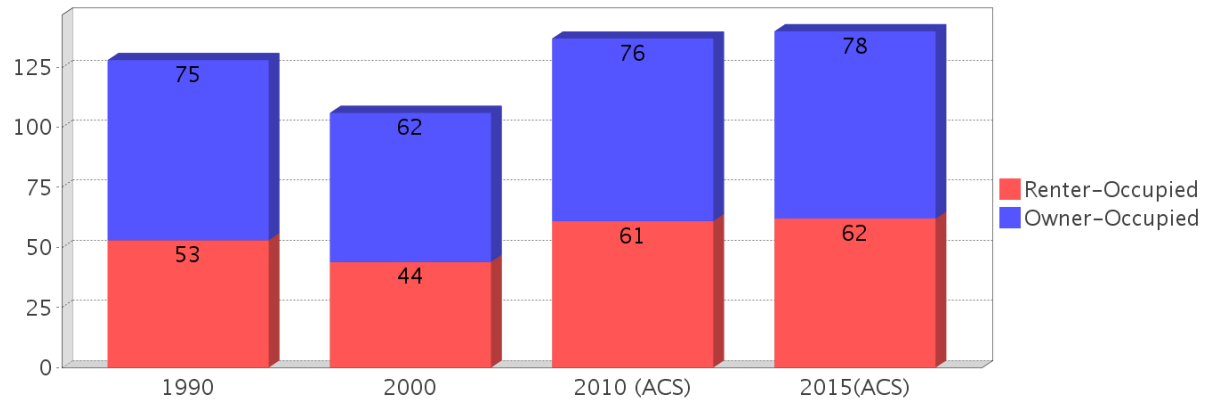
Age 5 and Over

Description	1990	2000	2010 (ACS)	2015(ACS)
Speaks English Well	8 (2.51%)	25 (8.47%)	11 (3.02%)	12 (3.28%)
Speaks English Not Well	NA (NA)	21 (7.12%)	9 (2.47%)	18 (4.92%)
Speaks English Not at All	NA (NA)	4 (1.36%)	23 (6.32%)	8 (2.19%)
Speaks English Not Well or Not at All	3 (0.94%)	25 (8.47%)	32 (8.79%)	26 (7.10%)

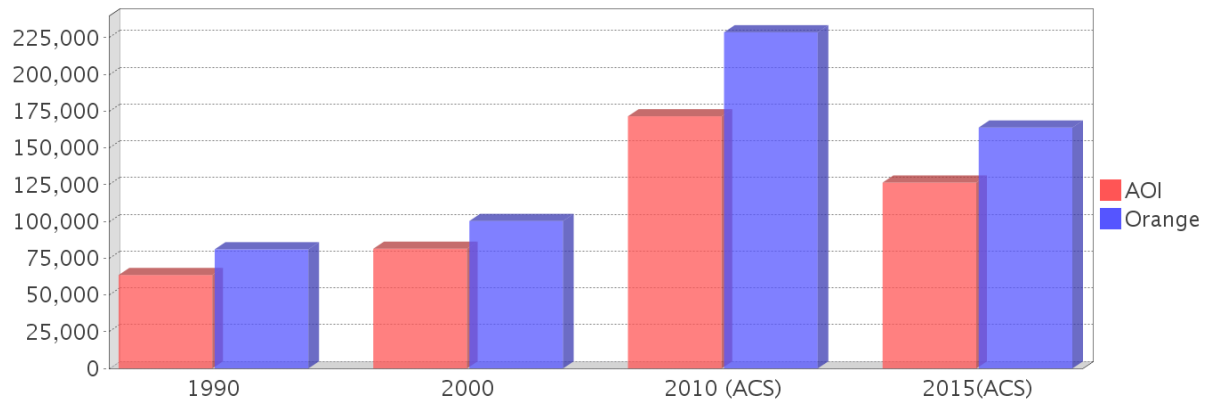
## Housing Trends

Description	1990	2000	2010 (ACS)	2015(ACS)
Total	139	111	152	155
Units per Acre	0.82	0.67	1.02	1.04
Single-Family Units	92	77	114	122
Multi-Family Units	13	11	13	15
Mobile Home Units	23	24	18	18
Owner-Occupied Units	75	62	76	78
Renter-Occupied Units	53	44	61	62
Vacant Units	11	5	15	15
Median Housing Value	\$63,550	\$81,400	\$171,500	\$126,400
Occupied Housing Units w/No Vehicle	20 (15.62%)	9 (8.49%)	12 (8.76%)	11 (7.86%)

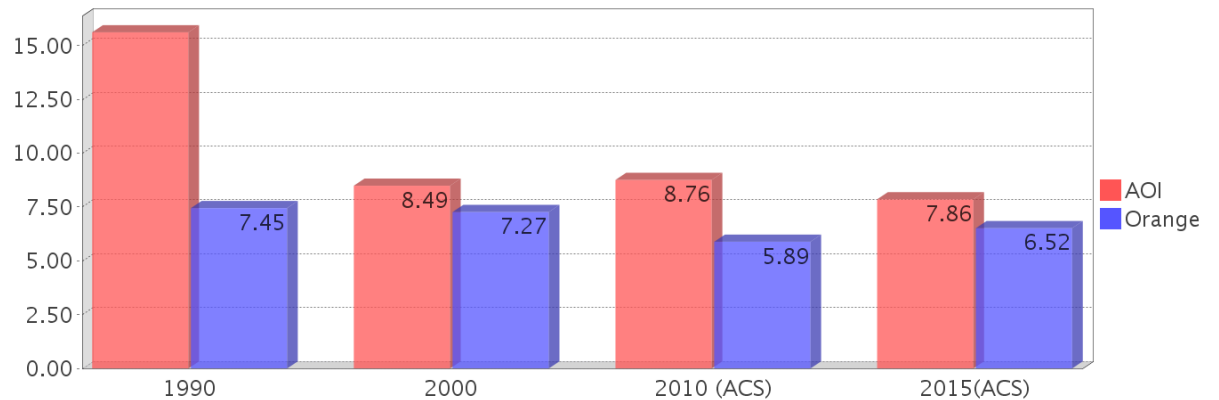
## Housing Tenure



## Median Housing Value Comparison

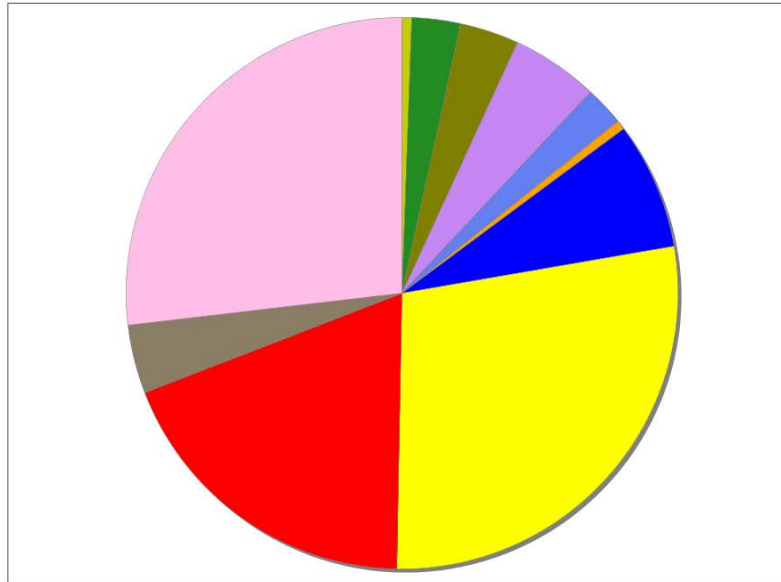


## Occupied Units With No Vehicles Available



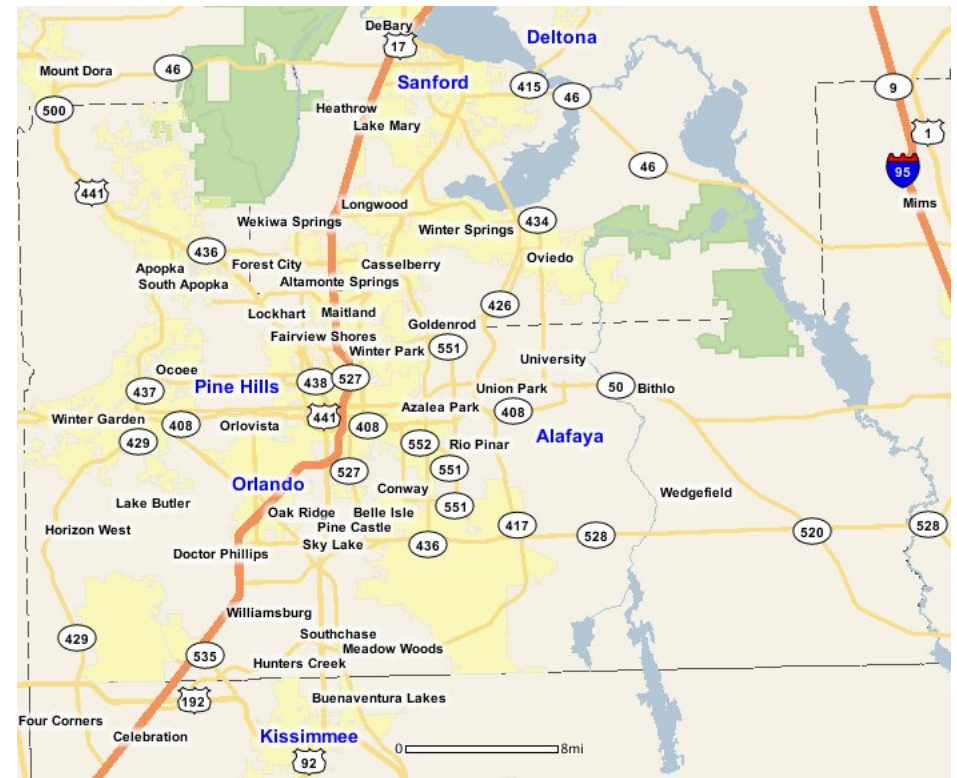
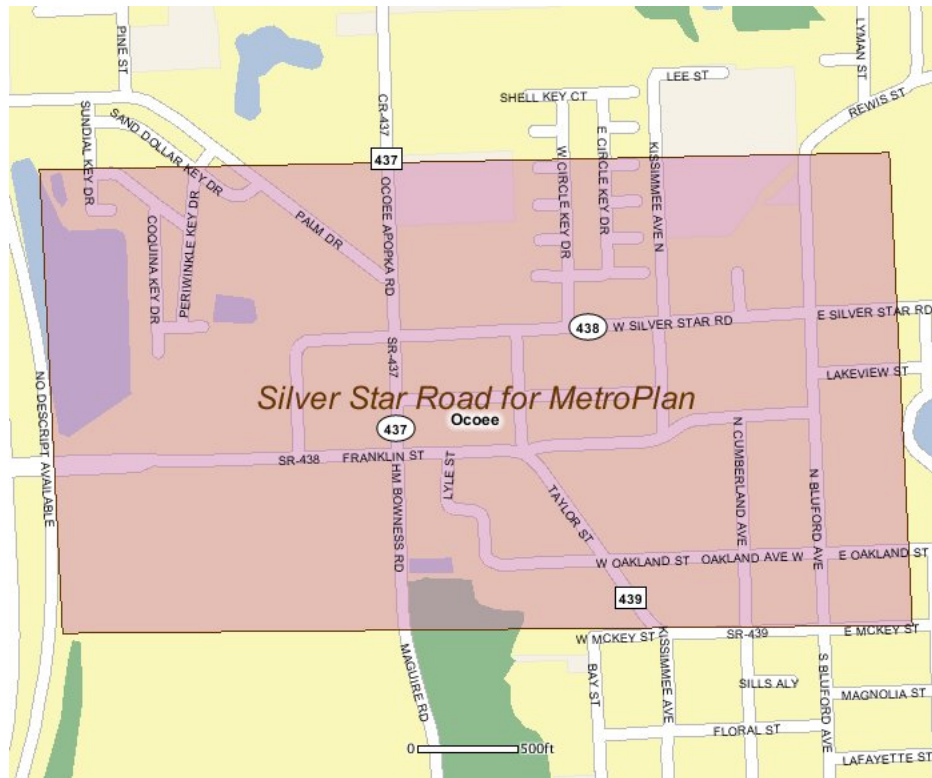
## Existing Land Use

Land Use Type	Acres	Percentage
Acreage Not Zoned For Agriculture	1	0.44%
Agricultural	5	2.21%
Centrally Assessed	6	2.65%
Industrial	9	3.98%
Institutional	4	1.77%
Mining	0	0.00%
Other	1	0.44%
Public/Semi-Public	13	5.74%
Recreation	0	0.00%
Residential	49	21.65%
Retail/Office	33	14.58%
Row	0	0.00%
Vacant Residential	7	3.09%
Vacant Nonresidential	47	20.77%
Water	0	0.00%
Parcels With No Values	0	0.00%



- Acreage Not Zoned For Agriculture
- Agricultural
- Centrally Assessed
- Industrial
- Institutional
- Mining
- Other
- Public/Semi-Public
- Recreation
- Residential
- Retail/Office
- Row
- Vacant Residential
- Vacant Nonresidential
- Water
- Parcels With No Values

## Location Maps



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## Community Facilities

The community facilities information below is useful in a variety of ways for environmental evaluations. These community resources should be evaluated for potential sociocultural effects, such as accessibility and relocation potential. The facility types may indicate the types of population groups present in the project study area. Facility staff and leaders can be sources of community information such as who uses the facility and how it is used. Additionally, community facilities are potential public meeting venues.

### Community Centers (Points)

Facility Name	Address	Zip Code
OCOEE COMMUNITY CENTER	125 N LAKESHORE DR	34761
LIONS CLUB - OCOEE	108 TAYLOR ST	34761

### Cultural Centers (Points)

Facility Name	Address	Zip Code
OCOEE HISTORICAL COMMITTEE INC	150 N LAKESHORE DR	34761
WITHERS MAGUIRE HOUSE	16 E OAKLAND AVE	34761

### Florida Parks and Recreational Facilities (Points)

Facility Name	Address	Zip Code
PALM DRIVE PARK	456 PALM DR	34761

### Government Building

Facility Name	Address	Zip Code
U S POST OFFICE - OCOEE	449 W SILVER STAR RD	34761
CITY OF OCOEE CITY HALL	150 N LAKESHORE DR	34761

### Law Enforcement Facilities (Points)

Facility Name	Address	Zip Code
OCOEE POLICE DEPARTMENT	175 N BLUFORD AV	34761

### Public and Private Schools (Points)

Facility Name	Address	Zip Code
FMI S.T.E.M. ACADEMY	325 OCOEE APOPKA RD	34761
LEAPS AND BOUNDS LEARNING CENTER/ FIRST STEPS ACADEMY	1 W OAKLAND ST	34761

### Religious Centers (Points)

Facility Name	Address	Zip Code
HARVEST CHURCH OF GOD	153 W SILVER STAR RD	34761
IGLESIA CRISTIANA SENDERO DE LUZ	325 OCOEE APOPKA RD	34761
CHRISTIAN SERVICE CENTER	300 FRANKLIN STREET	34761
CHURCH OF GOD OF PROPHECY	159 TAYLOR STREET	34761

### Social Services (Geocoded)

Facility Name	Address	Zip Code
CHRISTIAN SERVICE CENTER FOR CENTRAL FLORIDA	300 WEST FRANKLIN STREET	34761

### US Census Places

Facility Name
Ocoee

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## Block Groups

The following Census Block Groups were used to calculate demographics for this report.

### 1990 Census Block Groups

120950149022, 120950149023, 120950149021, 120950150002

### 2000 Census Block Groups

120950150031, 120950149052, 120950150011

### 2010 Census Block Groups

120950181002, 120950150011, 120950150031

### 2015 Census Block Groups

120950150011, 120950181002, 120950150031

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## Data Sources

### Area

The geographic area of the community based on a user-specified community boundary or area of interest (AOI) boundary.

### Jurisdiction

Jurisdiction(s) includes local government boundaries that intersect the community or AOI boundary.

### Demographic Data

Demographic data reported under the headings General Population Trends, Race and Ethnicity Trends, Age Trends, Income Trends, Educational Attainment Trends, Language Trends, and Housing Trends is from the U.S. Decennial Census (1990, 2000) and the American Community Survey (ACS) 5-year estimates from 2006-2010 and 2011-2015. The data was gathered at the block group level for user-specified community boundaries and AOIs, and at the county level for counties. Depending on the dataset, the data represents 100% counts (Census Summary File 1) or sample-based information (Census Summary File 3 or ACS).

### About the Census Data:

User-specified community boundaries and AOIs do not always correspond precisely to block group boundaries. In these instances, adjustment of the geographic area and data for affected block groups is required to estimate the actual population. To improve the accuracy of such estimates in the SDR report, the census block group data was adjusted to exclude all census blocks with a population of two or fewer. These areas were eliminated from the corresponding years' block groups. Next, the portion of the block group that lies outside of the community or AOI boundary was removed. The demographics within each block group were then recalculated, assuming an equal area distribution of the population. Note that there may be areas where there is no population.

Use caution when comparing the 100% count data (Decennial Census) to the sample-based data (ACS). In any given year, about one in 40 or 2.5% of U.S. households will receive the ACS questionnaire. Over any five-year period, about one in eight households will receive the questionnaire, as compared to about one in six that received the long form questionnaire for the Decennial Census 2000. (Source: <http://mcdc.missouri.edu/pub/data/acs/Readme.shtml>) The U.S. Census Bureau provides help with this process:

[http://www.census.gov/acs/www/guidance\\_for\\_data\\_users/comparing\\_2015/](http://www.census.gov/acs/www/guidance_for_data_users/comparing_2015/)

Use caution when interpreting changes in Race and Ethnicity over time. Starting with the 2000 Decennial Census, respondents were given a new option of selecting one or more race categories. Also in 2000, the placement of the question about Hispanic origin changed, helping to increase responsiveness to the Hispanic-origin question. Because of these and other changes, the 1990 data on race and ethnicity are not directly comparable with data from later censuses. (Source: <http://www.census.gov/prod/2001pubs/c2kbr01-1.pdf>; <http://www.census.gov/pred/www/rpts/Race%20and%20Ethnicity%20FINAL%20report.pdf>)

The "Minority" calculations are derived from Census and ACS data using both the race and ethnicity responses. On this report, "Minority" refers to individuals who list a race other than White and/or list their ethnicity as Hispanic/Latino. In other words, people who are multi-racial, any single race other than White, or Hispanic/Latino of any race are considered minorities.

Disability data is not included in the 2010 Decennial Census, or the 2006-2010 ACS. This data is available in the 2011-2015 ACS.

Because of changes made to the Census and ACS questions between 1990 and 2015, disability variables should not be compared from year to year. For example: 1) With the 1990 data the disabilities are listed as a "work disability" while this distinction is not made with 2000 or 2015 ACS data; 2) The 2015 ACS data includes the institutionalized population (e.g. persons in prisons and group homes), while this population is not included in 1990 or 2000; 3) the age groupings changed over the years.

Please take the following two concerns into account when viewing this data: 1) With the 1990 data the disabilities are listed as a "work disability" while this distinction is not made with 2000 or 2015 ACS data; 2) The 2015 ACS data includes the institutionalized population (e.g. persons in prisons and group homes), while this population is not included in 1990 or 2000.

The category Bachelor's Degree or Higher under the heading Educational Attainment Trends is a subset of the category High School Graduate or Higher.

Income of households. This includes the income of the householder and all other individuals 15 years old and over in the household, whether they are related to the householder or not. Because many households consist of only one person, average household income is usually less than average family income.

Income of families. In compiling statistics on family income, the incomes of all members 15 years old and over related to the householder are summed and treated as a single amount.

Age Trends median age for 1990 is not available.

### **Land Use Data**

The Land Use information Indicates acreages and percentages for the generalized land use types used to group parcel-specific, existing land use assigned by the county property appraiser office according to the Florida Department of Revenue land use codes.

### **Community Facilities Data**

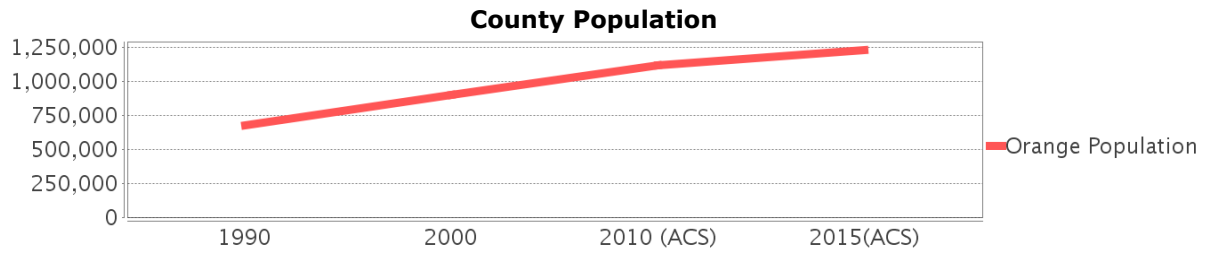
- Assisted Rental Housing Units - Identifies multifamily rental developments that receive funding assistance under federal, state, and local government programs to offer affordable housing as reported by the Shimberg Center for Housing Studies, University of Florida.
- Mobile Home Parks - Identifies approved or acknowledged mobile home parks reported by the Florida Department of Business and Professional Regulation and Florida Department of Health.
- Migrant Camps - Identifies migrant labor camp facilities inspected by the Florida Department of Health.
- Group Care Facilities - Identifies group care facilities inspected by the Florida Department of Health.
- Community Center and Fraternal Association Facilities - Identifies facilities reported by multiple sources.
- Law Enforcement Correctional Facilities - Identifies facilities reported by multiple sources.

- Cultural Centers - Identifies cultural centers including organizations, buildings, or complexes that promote culture and arts (e.g., aquariums and zoological facilities; arboreta and botanical gardens; dinner theaters; drive-ins; historical places and services; libraries; motion picture theaters; museums and art galleries; performing arts centers; performing arts theaters; planetariums; studios and art galleries; and theater producers stage facilities) reported by multiple sources.
- Fire Department and Rescue Station Facilities - Identifies facilities reported by multiple sources.
- Government Buildings - Identifies local, state, and federal government buildings reported by multiple sources.
- Health Care Facilities - Identifies health care facilities including abortion clinics, dialysis clinics, medical doctors, nursing homes, osteopaths, state laboratories/clinics, and surgicenters/walk-in clinics reported by the Florida Department of Health.
- Hospital Facilities - Identifies hospital facilities reported by multiple sources.
- Law Enforcement Facilities - Identifies law enforcement facilities reported by multiple sources.
- Parks and Recreational Facilities - Identifies parks and recreational facilities reported by multiple sources.
- Religious Center Facilities - Identifies religious centers including churches, temples, synagogues, mosques, chapels, centers, and other types of religious facilities reported by multiple sources.
- Private and Public Schools - Identifies private and public schools reported by multiple sources.
- Social Service Centers - Identifies social service centers reported by multiple sources.
- Veteran Organizations and Facilities

# Orange County Demographic Profile

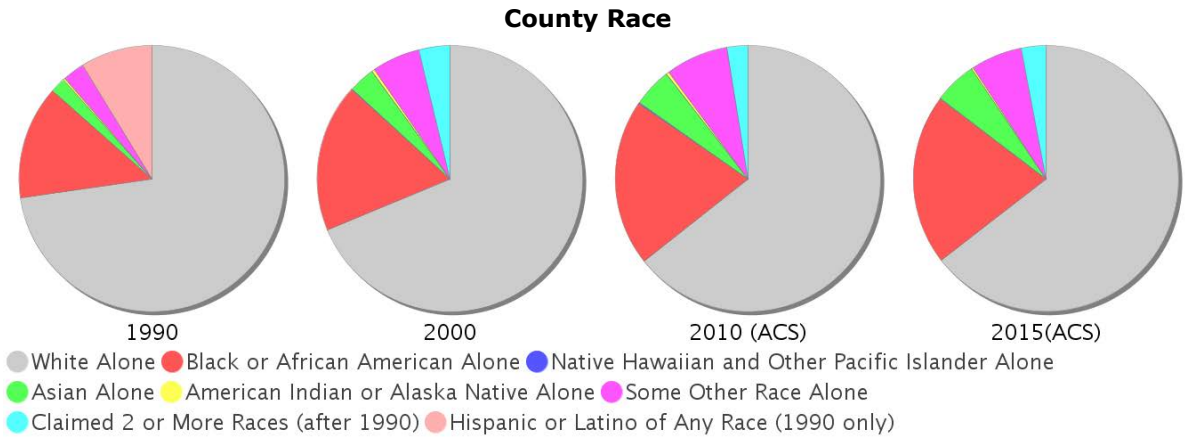
## General Population Trends - Orange

Description	1990	2000	2010 (ACS)	2015(ACS)
Total Population	677,491	896,344	1,116,094	1,229,039
Total Households	254,852	336,286	406,002	434,319
Average Persons per Acre	1.054	1.396	1.738	1.914
Average Persons per Household	2.658	2.609	3.00	2.75
Average Persons per Family	3.149	3.241	3.379	3.49
Males	336,061	442,441	550,254	603,946
Females	341,430	453,903	565,840	625,093



## Race and Ethnicity Trends - Orange

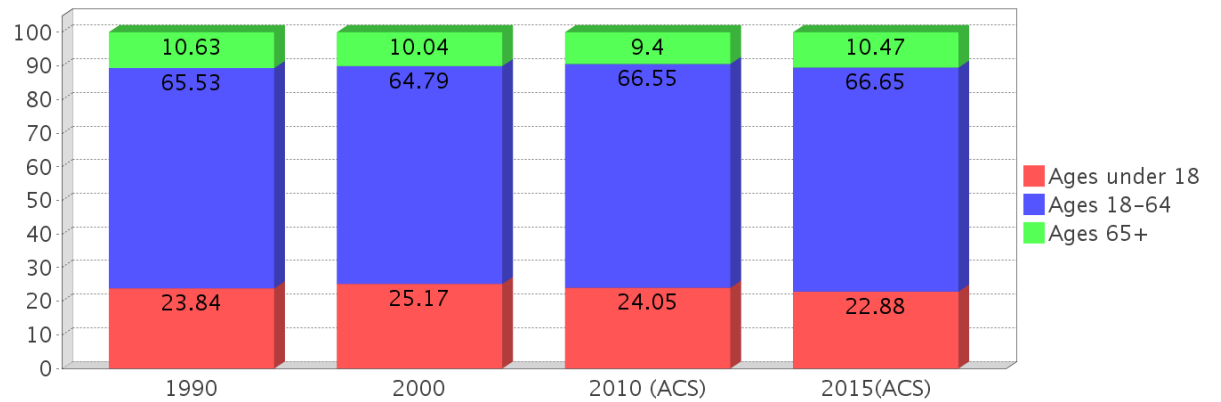
Description	1990	2000	2010 (ACS)	2015(ACS)
White Alone	539,061 (79.57%)	615,706 (68.69%)	717,711 (64.31%)	792,374 (64.47%)
Black or African American Alone	103,092 (15.22%)	161,558 (18.02%)	226,111 (20.26%)	255,754 (20.81%)
Native Hawaiian and Other Pacific Islander Alone	(NA)	853 (0.10%)	1,547 (0.14%)	656 (0.05%)
Asian Alone	13,469 (1.99%)	28,748 (3.21%)	53,326 (4.78%)	63,813 (5.19%)
American Indian or Alaska Native Alone	2,036 (0.30%)	2,862 (0.32%)	3,560 (0.32%)	2,792 (0.23%)
Some Other Race Alone	19,308 (2.85%)	52,568 (5.86%)	85,645 (7.67%)	76,473 (6.22%)
Claimed 2 or More Races	(NA)	34,049 (3.80%)	28,194 (2.53%)	37,177 (3.02%)
Hispanic or Latino of Any Race	64,946 (9.59%)	168,191 (18.76%)	287,760 (25.78%)	352,927 (28.72%)
Not Hispanic or Latino	612,545 (90.41%)	728,153 (81.24%)	828,334 (74.22%)	876,112 (71.28%)
Minority	619,202 (91.40%)	380,320 (42.43%)	619,202 (55.48%)	694,180 (56.48%)



### Age Trends - Orange

Description	1990	2000	2010 (ACS)	2015(ACS)
Under Age 5	7.36%	6.81%	6.69%	6.27%
Ages 5-17	16.48%	18.35%	17.35%	16.61%
Ages 18-21	7.25%	6.19%	7.08%	6.67%
Ages 22-29	15.98%	12.79%	13.88%	13.75%
Ages 30-39	18.06%	17.43%	14.88%	14.52%
Ages 40-49	11.98%	15.36%	14.79%	14.16%
Ages 50-64	12.26%	13.03%	15.93%	17.54%
Age 65 and Over	10.63%	10.04%	9.40%	10.47%
-Ages 65-74	6.51%	5.52%	5.18%	6.08%
-Ages 75-84	3.16%	3.50%	3.07%	3.07%
-Age 85 and Over	0.96%	1.02%	1.16%	1.32%
Median Age	NA	33	33	34

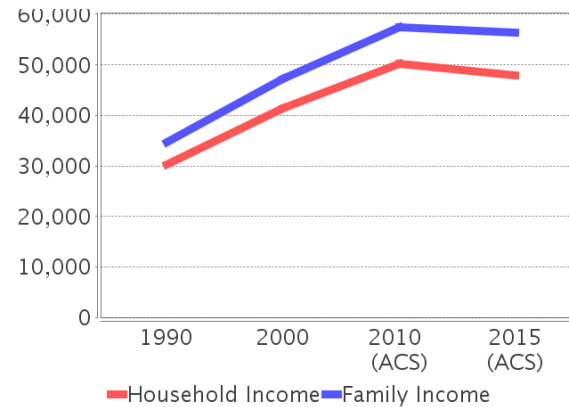
### Percentage Population by Age Group



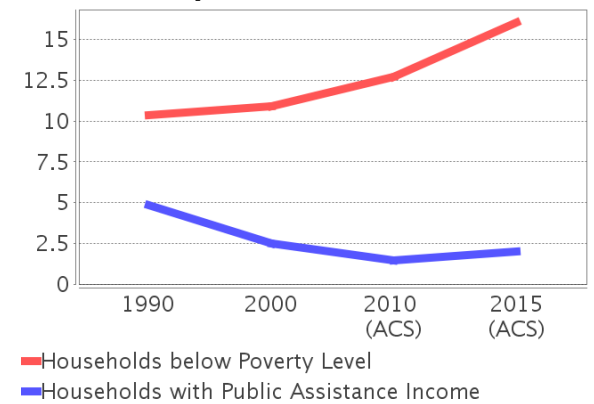
### Income Trends - Orange

Description	1990	2000	2010 (ACS)	2015(ACS)
Median Household Income	\$30,252	\$41,311	\$50,138	\$47,943
Median Family Income	\$34,670	\$47,159	\$57,473	\$56,447
Population below Poverty Level	11.25%	12.11%	13.42%	17.76%
Households below Poverty Level	10.35%	10.91%	12.68%	16.02%
Households with Public Assistance Income	4.83%	2.50%	1.44%	2.00%

### Income Trends



### Poverty and Public Assistance



### Disability Trends - Orange

See the Data Sources section below for an explanation about the differences in disability data among the various years.

Description	1990	2000	2010 (ACS)	2015(ACS)
Population 16 To 64 Years with a disability	33,640 (6.57%)	119,793 (14.56%)	NA (NA)	NA (NA)
Population 20 To 64 Years with a disability	NA (NA)	NA (NA)	NA (NA)	64,756 (8.42%)

## Educational Attainment Trends - Orange

Age 25 and Over

Description	1990	2000	2010 (ACS)	2015(ACS)
Less than 9th Grade	29,815	31,431	36,515	39,110
9th to 12th Grade, No Diploma	61,781	73,160	56,288	60,114
High School Graduate or Higher	340,597	469,510	615,181	702,906
Bachelor's Degree or Higher	91,722	150,009	214,780	249,506

## Language Trends - Orange

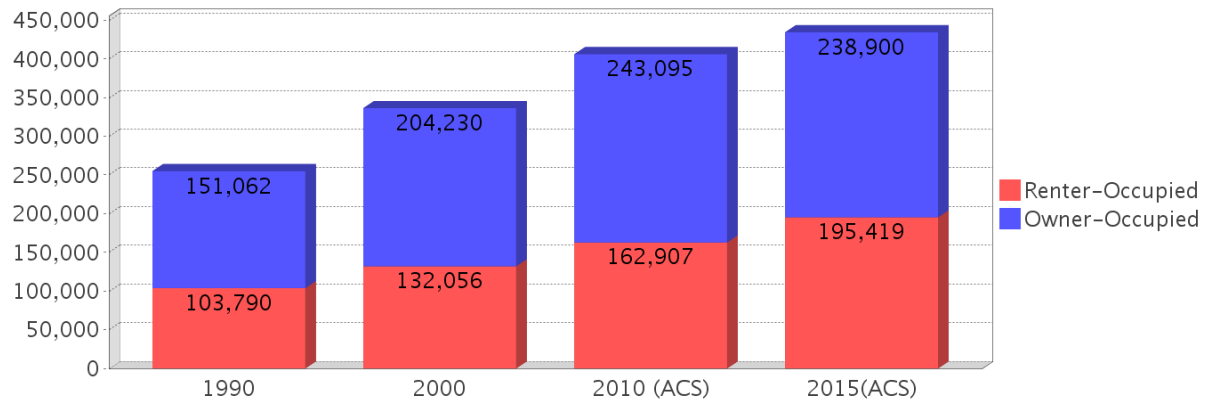
Age 5 and Over

Description	1990	2000	2010 (ACS)	2015(ACS)
Speaks English Well	20,163	47,230	65,314	75,145
Speaks English Not Well	NA	30,937	49,410	50,490
Speaks English Not at All	NA	9,102	18,544	20,262
Speaks English Not Well or Not at All	13,943	40,039	67,954	70,752

## Housing Trends - Orange

Description	1990	2000	2010 (ACS)	2015(ACS)
Total	282,686	361,349	474,757	501,513
Units per Acre	0.44	0.563	0.739	0.781
Single-Family Units	161,010	227,164	297,590	313,441
Multi-Family Units	73,974	113,760	156,040	167,718
Mobile Home Units	17,720	20,068	21,038	20,137
Owner-Occupied Units	151,062	204,230	243,095	238,900
Renter-Occupied Units	103,790	132,056	162,907	195,419
Vacant Units	27,834	25,063	68,755	67,194
Median Housing Value	\$81,000	\$100,300	\$228,600	\$163,800
Occupied Housing Units w/No Vehicle	18,991 (7.45%)	24,460 (7.27%)	23,926 (5.89%)	28,320 (6.52%)

### Housing Tenure



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## County Data Sources

Demographic data reported is from the U.S. Decennial Census (1990, 2000) and the American Community Survey (ACS) 5-year estimates from 2006-2010 and 2011-2015. The data was gathered at the county level. Depending on the dataset, the data represents 100% counts (Census Summary File 1) or sample-based information (Census Summary File 3 or ACS).

### About the Census Data:

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[http://www.census.gov/acs/www/guidance\\_for\\_data\\_users/comparing\\_2015/](http://www.census.gov/acs/www/guidance_for_data_users/comparing_2015/)

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<http://www.census.gov/pred/www/rpts/Race%20and%20Ethnicity%20FINAL%20report.pdf>)

The "Minority" calculations are derived from Census and ACS data using both the race and ethnicity responses. On this report, "Minority" refers to individuals who list a race other than White and/or list their ethnicity as Hispanic/Latino. In other words, people who are multi-racial, any single race other than White, or Hispanic/Latino of any race are considered minorities.

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Because of changes made to the Census and ACS questions between 1990 and 2015, disability variables should not be compared from year to year. For example: 1) With the 1990 data the disabilities are listed as a "work disability" while this distinction is not made with 2000 or 2015 ACS data; 2) The 2015 ACS data includes the institutionalized population (e.g. persons in prisons and group homes), while this population is not included in 1990 or 2000; 3) the age groupings changed over the years.

Please take the following two concerns into account when viewing this data: 1) With the 1990 data the disabilities are listed as a "work disability" while this distinction is not made with 2000 or 2015 ACS data; 2) The 2015 ACS data includes the institutionalized population (e.g. persons in prisons and group homes), while this population is not included in 1990 or 2000.

source:

<https://www.census.gov/people/disability/methodology/acs.html>

<https://www.census.gov/population/www/cen2000/90vs00/index.html>

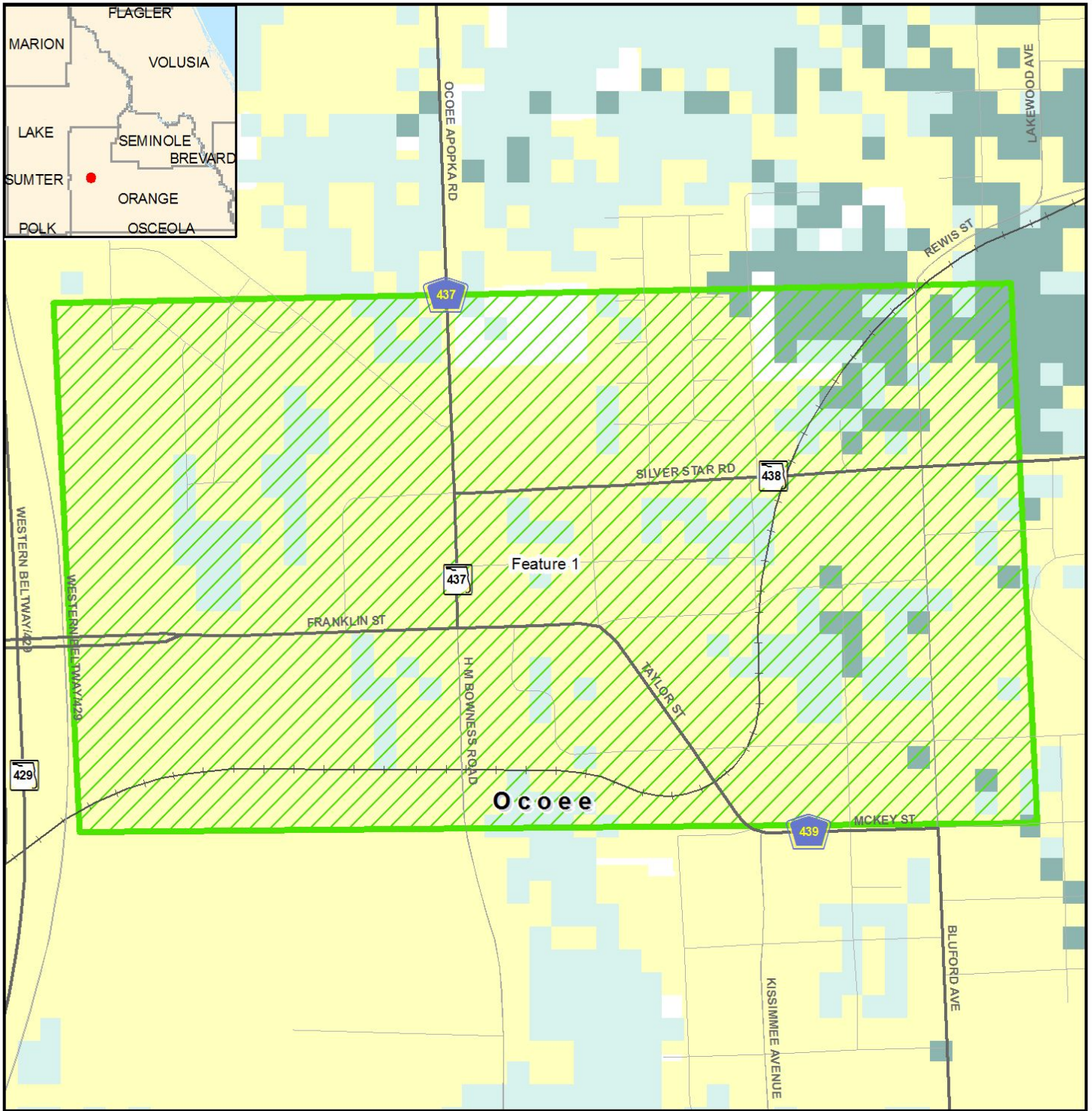
The category Bachelor's Degree or Higher under the heading Educational Attainment Trends is a subset of the category High School Graduate or Higher.

---

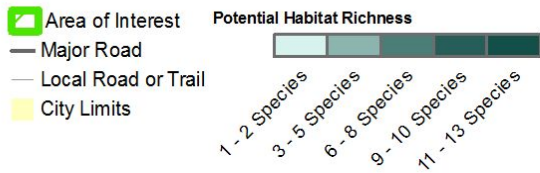
## Metadata

- Community and Fraternal Centers [https://etdmpub.florida-etat.org/metadata/gc\\_communitycenter.htm](https://etdmpub.florida-etat.org/metadata/gc_communitycenter.htm)
- Correctional Facilities in Florida [https://etdmpub.florida-etat.org/metadata/gc\\_correctional.htm](https://etdmpub.florida-etat.org/metadata/gc_correctional.htm)
- Cultural Centers in Florida [https://etdmpub.florida-etat.org/metadata/gc\\_culturecenter.htm](https://etdmpub.florida-etat.org/metadata/gc_culturecenter.htm)
- Fire Department and Rescue Station Facilities in Florida [https://etdmpub.florida-etat.org/metadata/gc\\_firestat.htm](https://etdmpub.florida-etat.org/metadata/gc_firestat.htm)
- Local, State, and Federal Government Buildings in Florida [https://etdmpub.florida-etat.org/metadata/gc\\_govbuild.htm](https://etdmpub.florida-etat.org/metadata/gc_govbuild.htm)
- Florida Health Care Facilities [https://etdmpub.florida-etat.org/metadata/gc\\_health.htm](https://etdmpub.florida-etat.org/metadata/gc_health.htm)
- Hospital Facilities in Florida [https://etdmpub.florida-etat.org/metadata/gc\\_hospitals.htm](https://etdmpub.florida-etat.org/metadata/gc_hospitals.htm)
- Law Enforcement Facilities in Florida [https://etdmpub.florida-etat.org/metadata/gc\\_lawenforce.htm](https://etdmpub.florida-etat.org/metadata/gc_lawenforce.htm)
- Florida Parks and Recreational Facilities [https://etdmpub.florida-etat.org/metadata/gc\\_parks.htm](https://etdmpub.florida-etat.org/metadata/gc_parks.htm)
- Religious Centers [https://etdmpub.florida-etat.org/metadata/gc\\_religion.htm](https://etdmpub.florida-etat.org/metadata/gc_religion.htm)
- Florida Public and Private Schools [https://etdmpub.florida-etat.org/metadata/gc\\_schools.htm](https://etdmpub.florida-etat.org/metadata/gc_schools.htm)
- Social Service Centers [https://etdmpub.florida-etat.org/metadata/gc\\_socialservice.htm](https://etdmpub.florida-etat.org/metadata/gc_socialservice.htm)
- Assisted Rental Housing Units in Florida [https://etdmpub.florida-etat.org/metadata/gc\\_assisted\\_housing.htm](https://etdmpub.florida-etat.org/metadata/gc_assisted_housing.htm)
- Group Care Facilities <https://etdmpub.florida-etat.org/metadata/groupcare.htm>
- Mobile Home Parks in Florida [https://etdmpub.florida-etat.org/metadata/gc\\_mobilehomes.htm](https://etdmpub.florida-etat.org/metadata/gc_mobilehomes.htm)
- Migrant Camps in Florida <https://etdmpub.florida-etat.org/metadata/migrant.htm>
- Veteran Organizations and Facilities [https://etdmpub.florida-etat.org/metadata/gc\\_veterans.htm](https://etdmpub.florida-etat.org/metadata/gc_veterans.htm)
- Generalized Land Use - Florida DOT District 5 [https://etdmpub.florida-etat.org/metadata/d5\\_lu\\_gen.htm](https://etdmpub.florida-etat.org/metadata/d5_lu_gen.htm)
- Census Block Groups in Florida [https://etdmpub.florida-etat.org/metadata/e2\\_cenacs\\_cci.htm](https://etdmpub.florida-etat.org/metadata/e2_cenacs_cci.htm)
- 1990 Census Block Groups in Florida [https://etdmpub.florida-etat.org/metadata/e2\\_cenblkgrp\\_1990\\_cci.htm](https://etdmpub.florida-etat.org/metadata/e2_cenblkgrp_1990_cci.htm)
- 2000 Census Block Groups in Florida [https://etdmpub.florida-etat.org/metadata/e2\\_cenblkgrp\\_2000\\_cci.htm](https://etdmpub.florida-etat.org/metadata/e2_cenblkgrp_2000_cci.htm)
- 2010 Census Block Groups in Florida [https://etdmpub.florida-etat.org/metadata/e2\\_cenblkgrp\\_2010\\_cci.htm](https://etdmpub.florida-etat.org/metadata/e2_cenblkgrp_2010_cci.htm)

# AOI - Silver Star Road for MetroPlan



## Species Potential Map



Data Sources:  
 NAVTEQ  
 US Geological Survey  
 Florida Department of Transportation  
 Florida Fish & Wildlife Conservation Commission

0 0.04 0.08 0.16 Miles



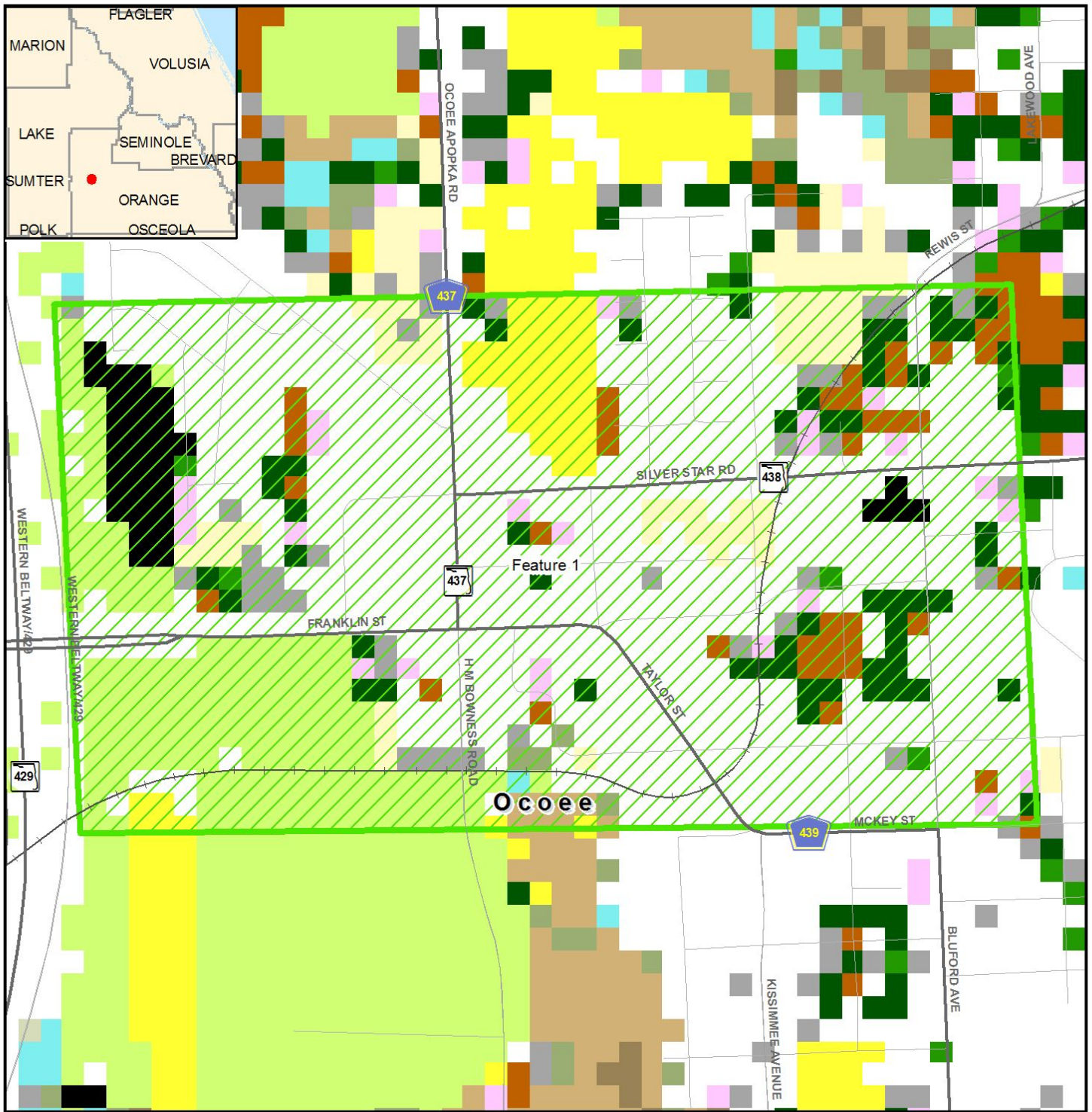
**etdm**  
 Environmental Screening Tool



12/13/2017

This map and its content is made available by the Florida Department of Transportation on an "as is," "as available" basis without warranties of any kind, express or implied.

# AOI - Silver Star Road for MetroPlan



## Vegetation Map

- |                  |                                  |                            |                     |                     |                   |
|------------------|----------------------------------|----------------------------|---------------------|---------------------|-------------------|
| Area of Interest | Mixed Hardwood-pine Forest       | Shrub Swamp                | Salt Marsh          | Improved Pasture    | Melaleuca         |
| Not Classified   | Hardwood Hammocks and Forests    | Bay Swamp                  | Mangrove Swamp      | Unimproved Pasture  | Brazilian Pepper  |
| Coastal Strand   | Pinelands                        | Cypress Swamp              | Scrub Mangrove      | Sugarcane           | High Impact Urban |
| Sand/Beach       | Cabbage Palm-live Oak Hammock    | Cypress/Pine/Cabbage Palm  | Tidal Flats         | Citrus              | Low Impact Urban  |
| Xeric Oak Scrub  | Tropical Hardwood Hammock        | Mixed Wetland Forest       | Open Water          | Row and Field Crops | Extractive        |
| Sand Pine Scrub  | Freshwater Marsh and Wet Prairie | Hardwood Swamp             | Shrub and Brushland | Other Agriculture   | Exotic Plants     |
| Sandhill         | Sawgrass Marsh                   | Hydric Hammock             | Grassland           | Australian Pine     |                   |
| Dry Prairie      | Cattail Marsh                    | Bottomland Hardwood Forest | Bare Soil/Clearcut  |                     |                   |

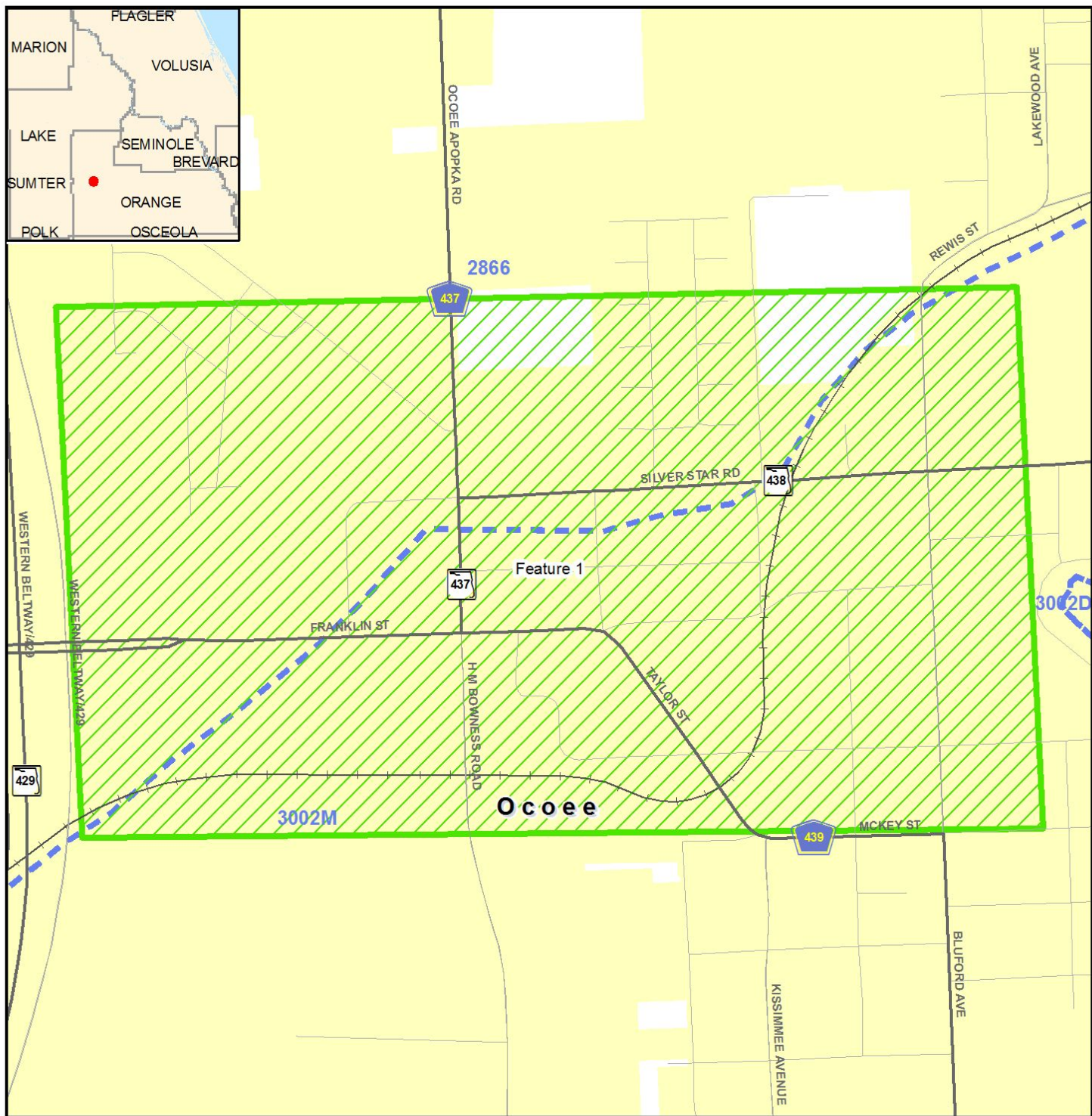


Data Sources: NAVTEQ; Florida Department of Transportation; Florida Fish and Wildlife Conservation Commission



12/13/2017

# AOI - Silver Star Road for MetroPlan



## Water Resource Map

- |                     |                        |                           |             |
|---------------------|------------------------|---------------------------|-------------|
| Area of Interest    | 1st Magnitude Spring   | Drainage Basin            | Water Body  |
| Major Road          | River, Stream or Canal | Outstanding Florida Water | Swamp/Marsh |
| Local Road or Trail | Navigable Water Way    | Surface Water Class I     |             |
| City Limits         | SFWMD Canals           | Surface Water Class II    |             |

Data Sources:  
 NAVTEQ  
 US Geological Survey  
 Florida Department of Transportation  
 Florida Department of Environmental Protection  
 Florida Geological Survey  
 US Bureau of Transportation Statistics

0 0.0375 0.075 0.15 Miles

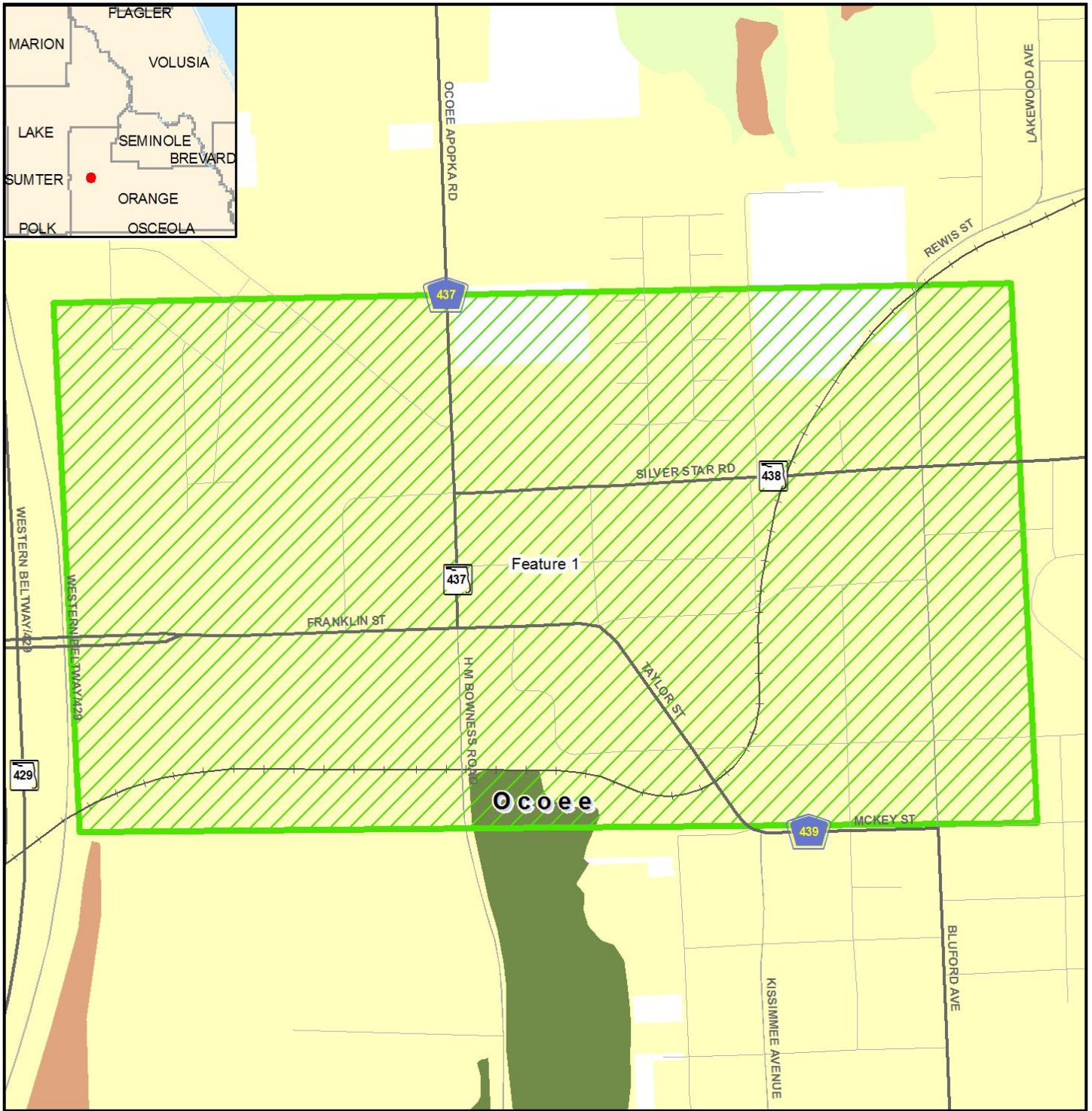


12/13/2017

**etdm**  
 Environmental Screening Tool



# AOI - Silver Star Road for MetroPlan



## Wetlands and Surface Waters Map

- |                     |                        |                                |
|---------------------|------------------------|--------------------------------|
| Area of Interest    | River, Stream or Canal | Non-vegetated Wetland          |
| Major Road          | Water Body             | Vegetated Non-forested Wetland |
| Local Road or Trail | Swamp/Marsh            | Wetland Forested Mixed         |
| City Limits         |                        | Wetland Coniferous Forest      |
|                     |                        | Wetland Hardwood Forest        |

Data Sources:  
 NAVTEQ  
 Florida Water Management Districts  
 US Geological Survey

0 0.04 0.08 0.16 Miles



**etdm**  
 Environmental Screening Tool



12/13/2017

This map and its content is made available by the Florida Department of Transportation on an "as is," "as available" basis without warranties of any kind, express or implied.

# Appendix B

DESIGN TICKET REQUEST ONLY - NO LOCATE  
Ticket : 025800165 Rev:000 Taken: 01/25/18 06:15ET

State: FL Cnty: ORANGE GeoPlace: OCOEE  
CallerPlace: OCOEE  
Subdivision:

Address :  
Street : FRANKLIN ST

Locat: DESIGN TICKET ONLY - NO LOCATE NEEDED  
:

Remarks : DESIGN TICKET REQUEST ONLY - NO LOCATE  
IN RESPONSE TO RECEIPT OF A DESIGN TICKET, SSOCOF PROVIDES THE ORIGINATOR OF THE DESIGN TICKET WITH A LIST OF SSOCOF MEMBERS IN THE VICINITY OF THE DESIGN PROJECT. SSOCOF DOES NOT NOTIFY SSOCOF MEMBERS OF THE RECEIPT BY SSOCOF OF A DESIGN TICKET. IT IS THE SOLE RESPONSIBILITY OF THE DESIGN ENGINEER TO CONTACT SSOCOF MEMBERS TO REQUEST INFORMATION ABOUT THE LOCATION OF SSOCOF MEMBERS' UNDERGROUND FACILITIES. SUBMISSION OF A DESIGN TICKET WILL NOT SATISFY THE REQUIREMENT OF CHAPTER 556, FLORIDA STATUTES, TO NOTIFY SSOCOF OF AN INTENT TO EXCAVATE OR DEMOLISH. THAT INTENT MUST BE MADE KNOWN SPECIFICALLY TO SSOCOF IN THE MANNER REQUIRED BY LAW. IN AN EFFORT TO SAVE TIME ON FUTURE CALLS, SAVE YOUR DESIGN TICKET NUMBER IF YOU INTEND TO BEGIN EXCAVATION WITHIN 90 DAYS OF YOUR DESIGN REQUEST. THE DESIGN TICKET CAN BE REFERENCED , AND THE INFORMATION ON IT CAN BE USED TO SAVE TIME WHEN YOU CALL IN THE EXCAVATION REQUEST.

\*\*\* LOOKUP BY STREET \*\*\*

:  
Grids : 2834C8132A 2834C8132B 2834C8133B 2834C8133C 2834C8133D

Work date: 01/25/18 Time: 06:17ET Hrs notc: 000 Category: 6 Duration: 01 HR  
Due Date : 01/29/18 Time: 23:59ET Exp Date : 02/26/18 Time: 23:59ET  
Work type: UNDERGROUND CONSTRUCTION Boring: N White-lined: N  
Ug/Oh/Both: U Machinery: N Depth: 3 Permits: N N/A  
Done for : FDOT

Company : HDR ENGINEERING Type: CONT  
Co addr : 5426 BAY CENTER DR  
Co addr2: SUITE 400  
City : TAMPA State: FL Zip: 33609  
Caller : JASON STARR Phone: 813-282-2300  
BestTime: 8-5  
Mobile : 941-342-2711  
Fax : 941-342-6589  
Email : JASON.STARR@HDRINC.COM

Submitted: 01/25/18 06:15ET Oper: JAS Chan: WEB  
Mbrs : AT1931 BH1956 COO784 CWG508 FPC322 LS1104 OCE979 PE1741 SB2186 SBF02  
Mbrs : UTI297

Service Area Code	Service Area Name	Contact	Phone Numbers	Utility Type
AT1931	AMERICAN TRAFFIC SOLUTIONS	SANTIAGO MARTINEZ	Day: (480) 596 - 4595 Emerg: (866) 382 - 8689	COMMUNICATIONS/ELECTRIC
BH1956	CHARTER COMMUNICATIONS	MARVIN USRY JR	Day: (407) 532 - 8509 Alt: (407) 448 - 5506	INTERNET, CABLE T.V., PHONE, FIBER
COO784	CITY OF OCOEE UTILITIES	MILEN WOMACK	Day: (407) 905 - 3100 x1506	POTABLE WTR/SAN SWR/REUSE

	DEPARTMENT			
CWG508	CITY OF WINTER GARDEN	RICHARD FASANO	Day: (407) 656 - 4111 x5449 Alt: (407) 259 - 9588	SEWER/WATER
FPC322	DUKE ENERGY	SHARON DEAR	Day: (407) 905 - 3321	ELECTRIC
OCE979	CENTRAL FLORIDA EXPRESSWAY AUTHORITY	VU VU	Day: (407) 843 - 5120 Alt: (407) 453 - 4161	FIBER OPTIC
PE1741	DUKE ENERGY	SHARON DEAR	Day: (407) 905 - 3321 Emerg: (888) 333 - 8251	FIBER
SBF02	A T & T/ DISTRIBUTION	DINO FARRUGGIO	Day: (561) 997 - 0240	TELEPHONE
UTI297	CENTURYLINK WINTER GARDEN	TY LESLIE	Day: (407) 814 - 5293	PHONE & FIBER OPTIC

DESIGN TICKET ONLY - NO LOCATE NEEDED  
Ticket : 025800167 Rev:000 Taken: 01/25/18 06:20ET

State: FL Cnty: ORANGE GeoPlace: OCOEE  
CallerPlace: OCOEE  
Subdivision:

Address :  
Street : W SILVER STAR RD

Locat: DESIGN TICKET - NO LOCATE  
:

Remarks : DESIGN TICKET ONLY - NO LOCATE NEEDED  
IN RESPONSE TO RECEIPT OF A DESIGN TICKET, SSOCOF PROVIDES THE ORIGINATOR OF THE DESIGN TICKET WITH A LIST OF SSOCOF MEMBERS IN THE VICINITY OF THE DESIGN PROJECT. SSOCOF DOES NOT NOTIFY SSOCOF MEMBERS OF THE RECEIPT BY SSOCOF OF A DESIGN TICKET. IT IS THE SOLE RESPONSIBILITY OF THE DESIGN ENGINEER TO CONTACT SSOCOF MEMBERS TO REQUEST INFORMATION ABOUT THE LOCATION OF SSOCOF MEMBERS' UNDERGROUND FACILITIES. SUBMISSION OF A DESIGN TICKET WILL NOT SATISFY THE REQUIREMENT OF CHAPTER 556, FLORIDA STATUTES, TO NOTIFY SSOCOF OF AN INTENT TO EXCAVATE OR DEMOLISH. THAT INTENT MUST BE MADE KNOWN SPECIFICALLY TO SSOCOF IN THE MANNER REQUIRED BY LAW. IN AN EFFORT TO SAVE TIME ON FUTURE CALLS, SAVE YOUR DESIGN TICKET NUMBER IF YOU INTEND TO BEGIN EXCAVATION WITHIN 90 DAYS OF YOUR DESIGN REQUEST. THE DESIGN TICKET CAN BE REFERENCED , AND THE INFORMATION ON IT CAN BE USED TO SAVE TIME WHEN YOU CALL IN THE EXCAVATION REQUEST.

\*\*\* LOOKUP BY STREET \*\*\*

:  
Grids : 2834C8132A 2834C8132B 2834C8132C 2834C8133D

Work date: 01/25/18 Time: 06:22ET Hrs notc: 000 Category: 6 Duration: 01 HR  
Due Date : 01/29/18 Time: 23:59ET Exp Date : 02/26/18 Time: 23:59ET  
Work type: UNDERGROUND CONSTRUCTION Boring: N White-lined: N  
Ug/Oh/Both: U Machinery: N Depth: 3 Permits: N N/A  
Done for : FDOT

Company : HDR ENGINEERING Type: CONT  
Co addr : 5426 BAY CENTER DR  
Co addr2: SUITE 400  
City : TAMPA State: FL Zip: 33609  
Caller : JASON STARR Phone: 813-282-2300  
BestTime: 8-5  
Mobile : 941-342-2711  
Fax : 941-342-6589  
Email : JASON.STARR@HDRINC.COM

Submitted: 01/25/18 06:20ET Oper: JAS Chan: WEB  
Mbrs : AT1931 BH1956 COO784 FPC322 SB2186 SBF02 UTI297

Service Area Code	Service Area Name	Contact	Phone Numbers	Utility Type
AT1931	AMERICAN TRAFFIC SOLUTIONS	SANTIAGO MARTINEZ	Day: (480) 596 - 4595 Emerg: (866) 382 - 8689	COMMUNICATIONS/ELECTRIC
BH1956	CHARTER COMMUNICATIONS	MARVIN USRY JR	Day: (407) 532 - 8509 Alt: (407) 448 - 5506	INTERNET, CABLE T.V., PHONE, FIBER
COO784	CITY OF OCOEE UTILITIES DEPARTMENT	MILEN WOMACK	Day: (407) 905 - 3100 x1506	POTABLE WTR/SAN SWR/REUSE

FPC322	DUKE ENERGY	SHARON DEAR	Day: (407) 905 - 3321	ELECTRIC
SBF02	A T & T/ DISTRIBUTION	DINO FARRUGGIO	Day: (561) 997 - 0240	TELEPHONE
UTI297	CENTURYLINK WINTER GARDEN	TY LESLIE	Day: (407) 814 - 5293	PHONE & FIBER OPTIC

DESIGN TICKET ONLY - NO LOCATE NEEDED  
Ticket : 025800175 Rev:000 Taken: 01/25/18 06:23ET

State: FL Cnty: ORANGE GeoPlace: OCOEE  
CallerPlace: OCOEE  
Subdivision:

Address : 304 to 399  
Street : OCOEE APOPKA RD

Locat: DESIGN TICKET - NO LOCATE

:  
Remarks : DESIGN TICKET ONLY - NO LOCATE NEEDED  
IN RESPONSE TO RECEIPT OF A DESIGN TICKET, SSOCOF PROVIDES THE ORIGINATOR OF THE DESIGN TICKET WITH A LIST OF SSOCOF MEMBERS IN THE VICINITY OF THE DESIGN PROJECT. SSOCOF DOES NOT NOTIFY SSOCOF MEMBERS OF THE RECEIPT BY SSOCOF OF A DESIGN TICKET. IT IS THE SOLE RESPONSIBILITY OF THE DESIGN ENGINEER TO CONTACT SSOCOF MEMBERS TO REQUEST INFORMATION ABOUT THE LOCATION OF SSOCOF MEMBERS' UNDERGROUND FACILITIES. SUBMISSION OF A DESIGN TICKET WILL NOT SATISFY THE REQUIREMENT OF CHAPTER 556, FLORIDA STATUTES, TO NOTIFY SSOCOF OF AN INTENT TO EXCAVATE OR DEMOLISH. THAT INTENT MUST BE MADE KNOWN SPECIFICALLY TO SSOCOF IN THE MANNER REQUIRED BY LAW. IN AN EFFORT TO SAVE TIME ON FUTURE CALLS, SAVE YOUR DESIGN TICKET NUMBER IF YOU INTEND TO BEGIN EXCAVATION WITHIN 90 DAYS OF YOUR DESIGN REQUEST. THE DESIGN TICKET CAN BE REFERENCED , AND THE INFORMATION ON IT CAN BE USED TO SAVE TIME WHEN YOU CALL IN THE EXCAVATION REQUEST.

\*\*\* LOOKUP BY ADDRESS \*\*\*

:  
Grids : 2834A8133D 2834B8133D 2834C8133D 2834D8133D

Work date: 01/25/18 Time: 06:28ET Hrs notc: 000 Category: 6 Duration: 01 HR  
Due Date : 01/29/18 Time: 23:59ET Exp Date : 02/26/18 Time: 23:59ET  
Work type: UNDERGROUND CONSTRUCTION Boring: N White-lined: N  
Ug/Oh/Both: U Machinery: N Depth: 3 Permits: N N/A  
Done for : FDOT

Company : HDR ENGINEERING Type: CONT  
Co addr : 5426 BAY CENTER DR  
Co addr2: SUITE 400  
City : TAMPA State: FL Zip: 33609  
Caller : JASON STARR Phone: 813-282-2300  
BestTime: 8-5  
Mobile : 941-342-2711  
Fax : 941-342-6589  
Email : JASON.STARR@HDRINC.COM

Submitted: 01/25/18 06:23ET Oper: JAS Chan: WEB  
Mbrs : AT1931 BH1956 COO784 FPC322 SB2186 SBF02 UTI297

Service Area Code	Service Area Name	Contact	Phone Numbers	Utility Type
AT1931	AMERICAN TRAFFIC SOLUTIONS	SANTIAGO MARTINEZ	Day: (480) 596 - 4595 Emerg: (866) 382 - 8689	COMMUNICATIONS/ELECTRIC
BH1956	CHARTER COMMUNICATIONS	MARVIN USRY JR	Day: (407) 532 - 8509 Alt: (407) 448 - 5506	INTERNET, CABLE T.V., PHONE, FIBER
COO784	CITY OF OCOEE UTILITIES DEPARTMENT	MILEN WOMACK	Day: (407) 905 - 3100 x1506	POTABLE WTR/SAN SWR/REUSE

FPC322	DUKE ENERGY	SHARON DEAR	Day: (407) 905 - 3321	ELECTRIC
SBF02	A T & T/ DISTRIBUTION	DINO FARRUGGIO	Day: (561) 997 - 0240	TELEPHONE
UTI297	CENTURYLINK WINTER GARDEN	TY LESLIE	Day: (407) 814 - 5293	PHONE & FIBER OPTIC

DESIGN TICKET ONLY - NO LOCATE NEEDED

Ticket : 025800183 Rev:000 Taken: 01/25/18 06:31ET

State: FL Cnty: ORANGE GeoPlace: OCOEE

CallerPlace: OCOEE

Subdivision:

Address :

Street : N BLUFORD AVE

Locat: DESIGN TICKET - NO LOCATE

:

Remarks : DESIGN TICKET ONLY - NO LOCATE NEEDED

IN RESPONSE TO RECEIPT OF A DESIGN TICKET, SSOCOF PROVIDES THE ORIGINATOR OF THE DESIGN TICKET WITH A LIST OF SSOCOF MEMBERS IN THE VICINITY OF THE DESIGN PROJECT. SSOCOF DOES NOT NOTIFY SSOCOF MEMBERS OF THE RECEIPT BY SSOCOF OF A DESIGN TICKET. IT IS THE SOLE RESPONSIBILITY OF THE DESIGN ENGINEER TO CONTACT SSOCOF MEMBERS TO REQUEST INFORMATION ABOUT THE LOCATION OF SSOCOF MEMBERS' UNDERGROUND FACILITIES. SUBMISSION OF A DESIGN TICKET WILL NOT SATISFY THE REQUIREMENT OF CHAPTER 556, FLORIDA STATUTES, TO NOTIFY SSOCOF OF AN INTENT TO EXCAVATE OR DEMOLISH. THAT INTENT MUST BE MADE KNOWN SPECIFICALLY TO SSOCOF IN THE MANNER REQUIRED BY LAW. IN AN EFFORT TO SAVE TIME ON FUTURE CALLS, SAVE YOUR DESIGN TICKET NUMBER IF YOU INTEND TO BEGIN EXCAVATION WITHIN 90 DAYS OF YOUR DESIGN REQUEST. THE DESIGN TICKET CAN BE REFERENCED , AND THE INFORMATION ON IT CAN BE USED TO SAVE TIME WHEN YOU CALL IN THE EXCAVATION REQUEST.

\*\*\* LOOKUP BY STREET \*\*\*

:

Grids : 2834B8132B 2834C8132B 2834D8132B

Work date: 01/25/18 Time: 06:32ET Hrs notc: 000 Category: 6 Duration: 01 HR

Due Date : 01/29/18 Time: 23:59ET Exp Date : 02/26/18 Time: 23:59ET

Work type: UNDERGROUND CONSTRUCTION Boring: N White-lined: N

Ug/Oh/Both: U Machinery: N Depth: 3 Permits: N N/A

Done for : FDOT

Company : HDR ENGINEERING Type: CONT

Co addr : 5426 BAY CENTER DR

Co addr2: SUITE 400

City : TAMPA State: FL Zip: 33609

Caller : JASON STARR Phone: 813-282-2300

BestTime: 8-5

Mobile : 941-342-2711

Fax : 941-342-6589

Email : JASON.STARR@HDRINC.COM

Submitted: 01/25/18 06:31ET Oper: JAS Chan: WEB

Mbrs : BH1956 C00784 FPC322 LAN491 UTI297

Service Area Code	Service Area Name	Contact	Phone Numbers	Utility Type
BH1956	CHARTER COMMUNICATIONS	MARVIN USRY JR	Day: (407) 532 - 8509 Alt: (407) 448 - 5506	INTERNET, CABLE T.V., PHONE, FIBER
COO784	CITY OF OCOEE UTILITIES DEPARTMENT	MILEN WOMACK	Day: (407) 905 - 3100 x1506	POTABLE WTR/SAN SWR/REUSE
FPC322	DUKE ENERGY	SHARON DEAR	Day: (407) 905 - 3321	ELECTRIC

LAN491	LAKE APOPKA NATURAL GAS DISTRICT	ANTONIO GIBSON	Day: (407) 656 - 2734	NATURAL GAS LINES
UTI297	CENTURYLINK WINTER GARDEN	TY LESLIE	Day: (407) 814 - 5293	PHONE & FIBER OPTIC

DESIGN TICKET ONLY - NO LOCATE NEEDED  
 Ticket : 025800177 Rev:000 Taken: 01/25/18 06:28ET

State: FL Cnty: ORANGE GeoPlace: OCOEE  
 CallerPlace: OCOEE  
 Subdivision:

Address :  
 Street : TAYLOR ST

Locat: DESIGN TICKET - NO LOCATE  
 :

Remarks : DESIGN TICKET ONLY - NO LOCATE NEEDED  
 IN RESPONSE TO RECEIPT OF A DESIGN TICKET, SSOCOF PROVIDES THE ORIGINATOR OF THE DESIGN TICKET WITH A LIST OF SSOCOF MEMBERS IN THE VICINITY OF THE DESIGN PROJECT. SSOCOF DOES NOT NOTIFY SSOCOF MEMBERS OF THE RECEIPT BY SSOCOF OF A DESIGN TICKET. IT IS THE SOLE RESPONSIBILITY OF THE DESIGN ENGINEER TO CONTACT SSOCOF MEMBERS TO REQUEST INFORMATION ABOUT THE LOCATION OF SSOCOF MEMBERS' UNDERGROUND FACILITIES. SUBMISSION OF A DESIGN TICKET WILL NOT SATISFY THE REQUIREMENT OF CHAPTER 556, FLORIDA STATUTES, TO NOTIFY SSOCOF OF AN INTENT TO EXCAVATE OR DEMOLISH. THAT INTENT MUST BE MADE KNOWN SPECIFICALLY TO SSOCOF IN THE MANNER REQUIRED BY LAW. IN AN EFFORT TO SAVE TIME ON FUTURE CALLS, SAVE YOUR DESIGN TICKET NUMBER IF YOU INTEND TO BEGIN EXCAVATION WITHIN 90 DAYS OF YOUR DESIGN REQUEST. THE DESIGN TICKET CAN BE REFERENCED , AND THE INFORMATION ON IT CAN BE USED TO SAVE TIME WHEN YOU CALL IN THE EXCAVATION REQUEST.

\*\*\* LOOKUP BY STREET \*\*\*

:  
 Grids : 2834C8132A 2834D8132A

Work date: 01/25/18 Time: 06:29ET Hrs notc: 000 Category: 6 Duration: 01 HR  
 Due Date : 01/29/18 Time: 23:59ET Exp Date : 02/26/18 Time: 23:59ET  
 Work type: UNDERGROUND CONSTRUCTION Boring: N White-lined: N  
 Ug/Oh/Both: U Machinery: N Depth: 3 Permits: N N/A  
 Done for : FDOT

Company : HDR ENGINEERING Type: CONT  
 Co addr : 5426 BAY CENTER DR  
 Co addr2: SUITE 400  
 City : TAMPA State: FL Zip: 33609  
 Caller : JASON STARR Phone: 813-282-2300  
 BestTime: 8-5  
 Mobile : 941-342-2711  
 Fax : 941-342-6589  
 Email : JASON.STARR@HDRINC.COM

Submitted: 01/25/18 06:28ET Oper: JAS Chan: WEB  
 Mbrs : AT1931 BH1956 CO0784 FPC322 LAN491 UTI297

Service Area Code	Service Area Name	Contact	Phone Numbers	Utility Type
AT1931	AMERICAN TRAFFIC SOLUTIONS	SANTIAGO MARTINEZ	Day: (480) 596 - 4595 Emerg: (866) 382 - 8689	COMMUNICATIONS/ELECTRIC
BH1956	CHARTER COMMUNICATIONS	MARVIN USRY JR	Day: (407) 532 - 8509 Alt: (407) 448 - 5506	INTERNET, CABLE T.V., PHONE, FIBER
COO784	CITY OF OCOEE UTILITIES	MILEN WOMACK	Day: (407) 905 - 3100 x1506	POTABLE WTR/SAN SWR/REUSE

	DEPARTMENT			
FPC322	DUKE ENERGY	SHARON DEAR	Day: (407) 905 - 3321	ELECTRIC
LAN491	LAKE AOPKA NATURAL GAS DISTRICT	ANTONIO GIBSON	Day: (407) 656 - 2734	NATURAL GAS LINES
UTI297	CENTURYLINK WINTER GARDEN	TY LESLIE	Day: (407) 814 - 5293	PHONE & FIBER OPTIC

DESIGN TICKET ONLY - NO LOCATE NEEDED  
 Ticket : 025800179 Rev:000 Taken: 01/25/18 06:30ET

State: FL Cnty: ORANGE GeoPlace: OCOEE  
 CallerPlace: OCOEE  
 Subdivision:

Address : 200 to 399  
 Street : LEE ST

Locat: DESIGN TICKET - NO LOCATE  
 :

Remarks : DESIGN TICKET ONLY - NO LOCATE NEEDED  
 IN RESPONSE TO RECEIPT OF A DESIGN TICKET, SSOCOF PROVIDES THE ORIGINATOR OF THE DESIGN TICKET WITH A LIST OF SSOCOF MEMBERS IN THE VICINITY OF THE DESIGN PROJECT. SSOCOF DOES NOT NOTIFY SSOCOF MEMBERS OF THE RECEIPT BY SSOCOF OF A DESIGN TICKET. IT IS THE SOLE RESPONSIBILITY OF THE DESIGN ENGINEER TO CONTACT SSOCOF MEMBERS TO REQUEST INFORMATION ABOUT THE LOCATION OF SSOCOF MEMBERS' UNDERGROUND FACILITIES. SUBMISSION OF A DESIGN TICKET WILL NOT SATISFY THE REQUIREMENT OF CHAPTER 556, FLORIDA STATUTES, TO NOTIFY SSOCOF OF AN INTENT TO EXCAVATE OR DEMOLISH. THAT INTENT MUST BE MADE KNOWN SPECIFICALLY TO SSOCOF IN THE MANNER REQUIRED BY LAW. IN AN EFFORT TO SAVE TIME ON FUTURE CALLS, SAVE YOUR DESIGN TICKET NUMBER IF YOU INTEND TO BEGIN EXCAVATION WITHIN 90 DAYS OF YOUR DESIGN REQUEST. THE DESIGN TICKET CAN BE REFERENCED , AND THE INFORMATION ON IT CAN BE USED TO SAVE TIME WHEN YOU CALL IN THE EXCAVATION REQUEST.

\*\*\* LOOKUP BY ADDRESS \*\*\*

:  
 Grids : 2834C8132A 2834C8133D

Work date: 01/25/18 Time: 06:31ET Hrs notc: 000 Category: 6 Duration: 01 HR  
 Due Date : 01/29/18 Time: 23:59ET Exp Date : 02/26/18 Time: 23:59ET  
 Work type: UNDERGROUND CONSTRUCTION Boring: N White-lined: N  
 Ug/Oh/Both: U Machinery: N Depth: 3 Permits: N N/A  
 Done for : FDOT

Company : HDR ENGINEERING Type: CONT  
 Co addr : 5426 BAY CENTER DR  
 Co addr2: SUITE 400  
 City : TAMPA State: FL Zip: 33609  
 Caller : JASON STARR Phone: 813-282-2300  
 BestTime: 8-5  
 Mobile : 941-342-2711  
 Fax : 941-342-6589  
 Email : JASON.STARR@HDRINC.COM

Submitted: 01/25/18 06:30ET Oper: JAS Chan: WEB  
 Mbrs : AT1931 BH1956 COO784 FPC322 SB2186 SBF02 UTI297

Service Area Code	Service Area Name	Contact	Phone Numbers	Utility Type
AT1931	AMERICAN TRAFFIC SOLUTIONS	SANTIAGO MARTINEZ	Day: (480) 596 - 4595 Emerg: (866) 382 - 8689	COMMUNICATIONS/ELECTRIC
BH1956	CHARTER COMMUNICATIONS	MARVIN USRY JR	Day: (407) 532 - 8509 Alt: (407) 448 - 5506	INTERNET, CABLE T.V., PHONE, FIBER
COO784	CITY OF OCOEE UTILITIES DEPARTMENT	MILEN WOMACK	Day: (407) 905 - 3100 x1506	POTABLE WTR/SAN SWR/REUSE

FPC322	DUKE ENERGY	SHARON DEAR	Day: (407) 905 - 3321	ELECTRIC
SBF02	A T & T/ DISTRIBUTION	DINO FARRUGGIO	Day: (561) 997 - 0240	TELEPHONE
UTI297	CENTURYLINK WINTER GARDEN	TY LESLIE	Day: (407) 814 - 5293	PHONE & FIBER OPTIC