

# **Florida's Turnpike Interchange at County Road 468**

## **Project Development and Environment (PD&E) Study**

Sumter County, Florida

Prepared for:

Florida's Turnpike Enterprise

Prepared by:

Kimley-Horn and Associates, Inc.

### **Project Description**

The proposed project is a new interchange at the existing crossing of CR 468 over Florida's Turnpike in Sumter County, Florida. It will be located approximately five miles north of the CR 470 interchange and approximately four miles south of the US 301 interchange.

Florida's Turnpike within the study area is a four-lane divided limited-access toll road with a posted speed of 70 mph. There are auxiliary lanes at the Okahumpka Service Plaza, which is approximately 1.3 miles south of the proposed interchange. CR 468 is a two-lane urban collector from US 301 to CR 501 and a two-lane rural major collector from CR 501 to SR 44. It has a posted speed of 45 miles per hour (mph) in the area adjacent to the Turnpike.

The proposed project would involve using the existing two-lane CR 468 bridge over Florida's Turnpike and the construction of entrance and exit ramps providing access to and from the Turnpike in both the northbound and southbound directions. Adequate spacing would be provided between the existing bridge and the ramp terminals on CR 468 to accommodate left turns without the need to modify the existing bridge. The project would also include a stormwater management system to provide water quality treatment and attenuation for the interchange area.

All right-of-way, including the LA right-of-way, required for the project is being acquired by The Villages and will be conveyed to FTE after the completion of construction. The project is proposed to be built in two phases. Phase 1, to be constructed initially, will be constructed through a Joint Project Agreement (JPA) between The Villages and FTE. Phase 1 will include the ramps to and from the south. Phase 2 will add the ramps to and from the north, along with related toll collection facilities. Phase 2 will be constructed in the future by FTE and/or other development or agencies. Right-of-way acquired that will be needed for future widening of CR 468 will be conveyed to FTE. It is anticipated that future CR 468 widening will occur to the north of the current alignment.

### **Project Need**

The proposed interchange would serve the rapidly growing tri-county area that includes northeastern Sumter County and adjacent areas in Lake and Marion counties. It is projected that the total population within the tri-county area will grow from approximately 515,000 today to more than 770,000 by the year 2020. This new interchange is vital for the continued economic growth and vitality of the community.

As development in the area continues, Morse Boulevard will be extended south to intersect with SR 44 at the existing intersection of SR 44 and CR 468. This extension will provide a continuous four-lane divided roadway connection between US 27/441 in the northeastern portion of The Villages and SR 44 east of Wildwood, which will aid in the movement of goods and services and improve access for the

traveling public. The new connection created by the Morse Boulevard Extension will create a useful alternative to US 301 or US 27 for area residents and business interests desiring to access Florida's Turnpike. The extension of Morse Boulevard to SR 44 is planned to be completed concurrently with construction of the proposed interchange. Sumter County also plans to widen CR 468 from two lanes to four-lane divided between SR 44 and the proposed Turnpike interchange.

The proposed interchange will increase the accessibility of this developing area to the Turnpike and enhance the overall connectivity of the regional transportation system with other roadway network improvements in the area.

The proposed interchange is supported by the Sumter County Board of County Commissioners. It has been incorporated into the County's Capital Improvement Program. Sumter County has updated the Capital Improvements Element of the Comprehensive Plan to include the proposed project.

The proposed interchange will serve the needs of a rapidly growing tri-county area that includes northeastern Sumter County and adjacent areas in Lake and Marion counties. Recent growth has been largely attributed to development of the community known as The Villages. The Villages consists of four areas: The Tri-County Villages located just south of the Marion County line and southwest of US 27/441 in Lake and Sumter counties; The Villages of Marion located in Marion County southwest of US 27/441 and south of CR 42; The Villages of Sumter located in Sumter County south of CR 466 and southwest of US 27/441; and Vested Village, which is a portion of the property that was vested from the Earl Starnes DRI, dated November 1973 and is located north and east of US 27/441 in Lake County and the Town of Lady Lake. As The Villages development continues over the next several years, its southern limit will extend south to SR 44 between the City of Wildwood and the Lake/Sumter County line. This would place the southern boundary of The Villages within approximately two miles of the Turnpike corridor. At build-out, the population of The Villages is expected to be about 100,000.

As The Villages development progresses, it is anticipated that ancillary development would also occur within this portion of the tri-county area. As previously noted, it is projected that the total population within the tri-county area will grow from 515,000 to more than 770,000 by the year 2020.

A review of the Build alternative compared with the No Build alternative, considering project needs, as shown in the attached Alternatives Evaluation Matrix, support the Build alternative. Considering the benefits of the new interchange, the contribution of The Villages to the project, and the projected future growth and demands of the area, the Build alternative is the recommended solution.

#### Attachments:

- Project Location Map

- Project Area (on aerial)

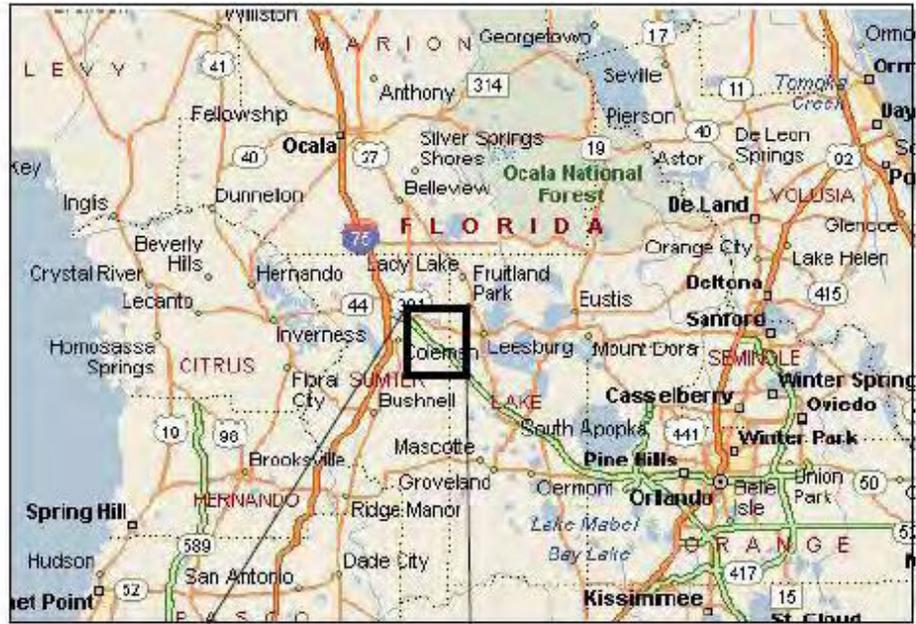
- Geometry Recommendations

- Year 2034 No Build Traffic Projections

- Year 2034 Build (Phase 1) Traffic Projections

- Year 2034 Build (Phase 2) Traffic Projections

- Alternatives Evaluation Matrix



Source: Microsoft Streets and Trips, 2004



Turnpike / CR468 Interchange  
Sumter County, Florida



Kimley-Horn  
and Associates, Inc.

# LOCATION MAP



Begin Project

FLORIDA'S TURNPIKE

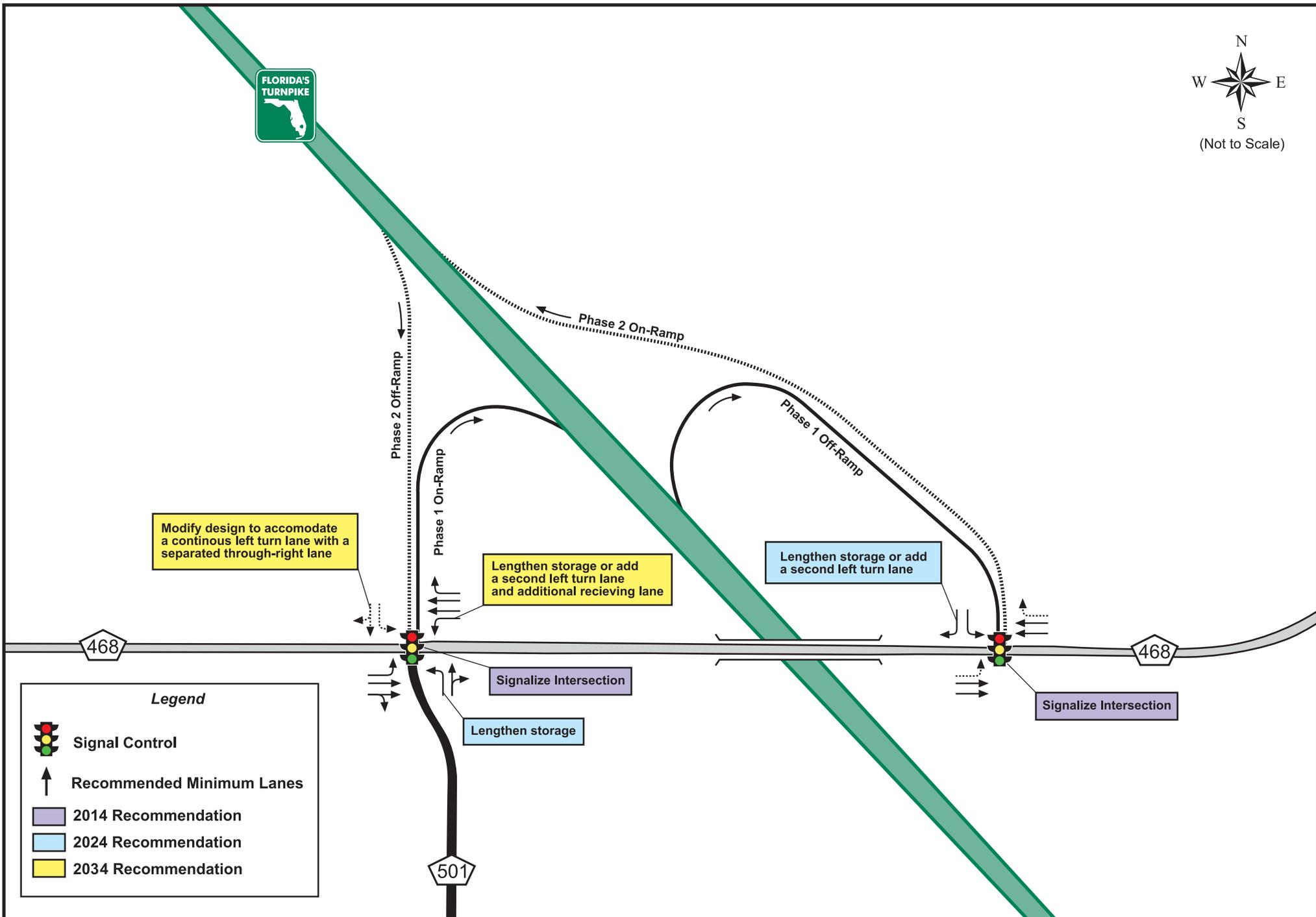
End Project

CR 468

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	



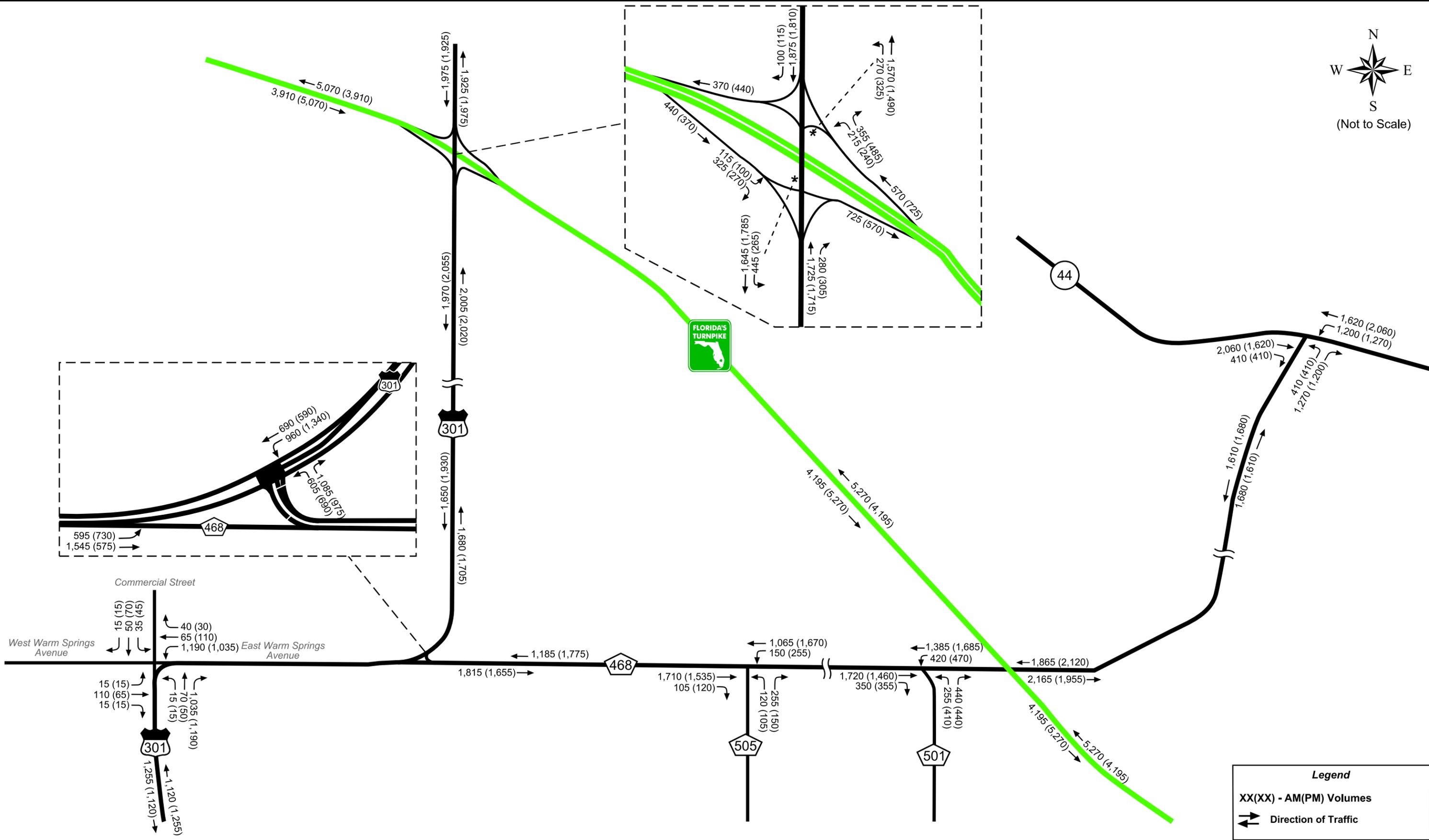
**FLORIDA'S TURNPIKE / CR 468  
PROJECT AREA**

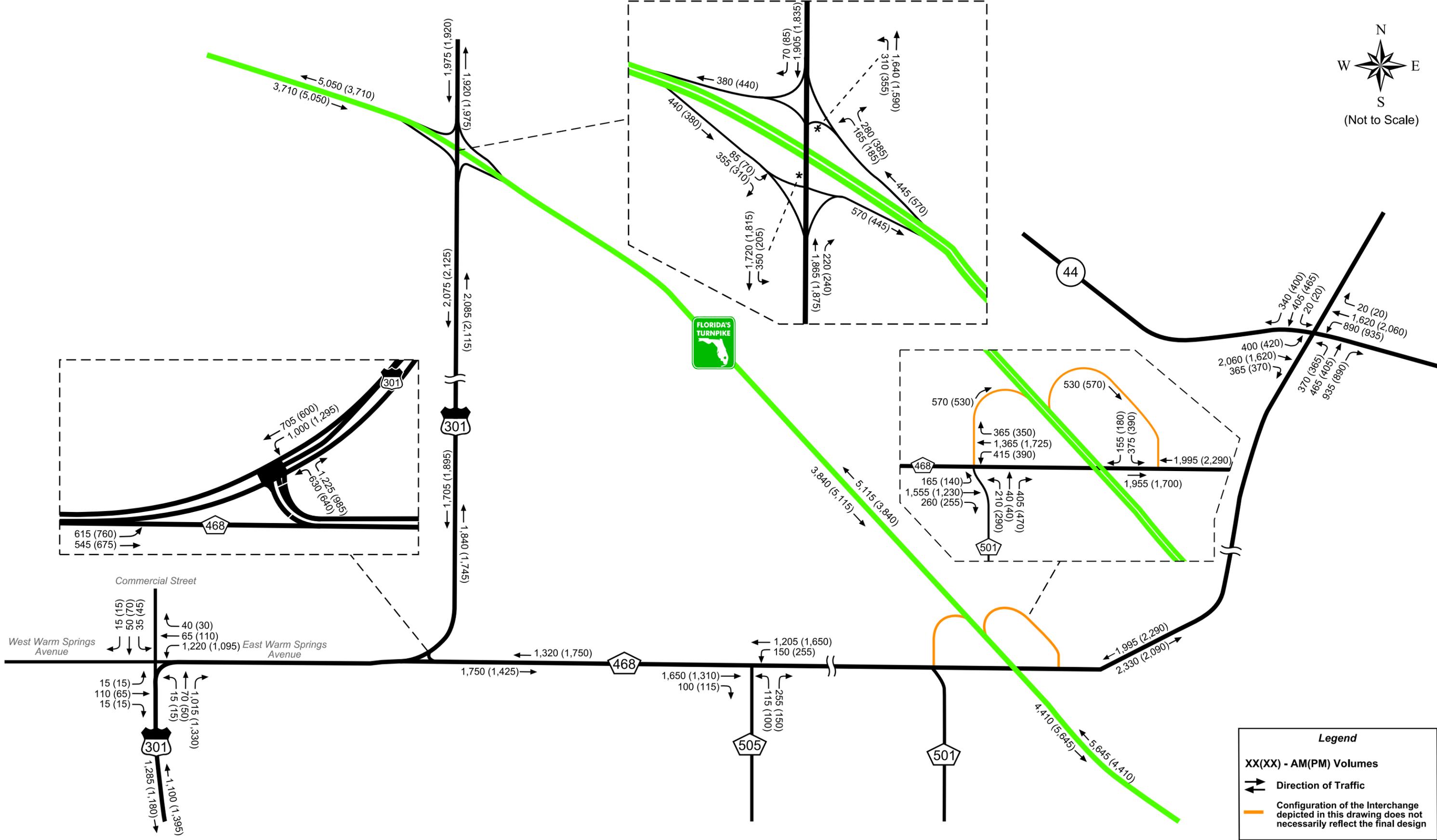


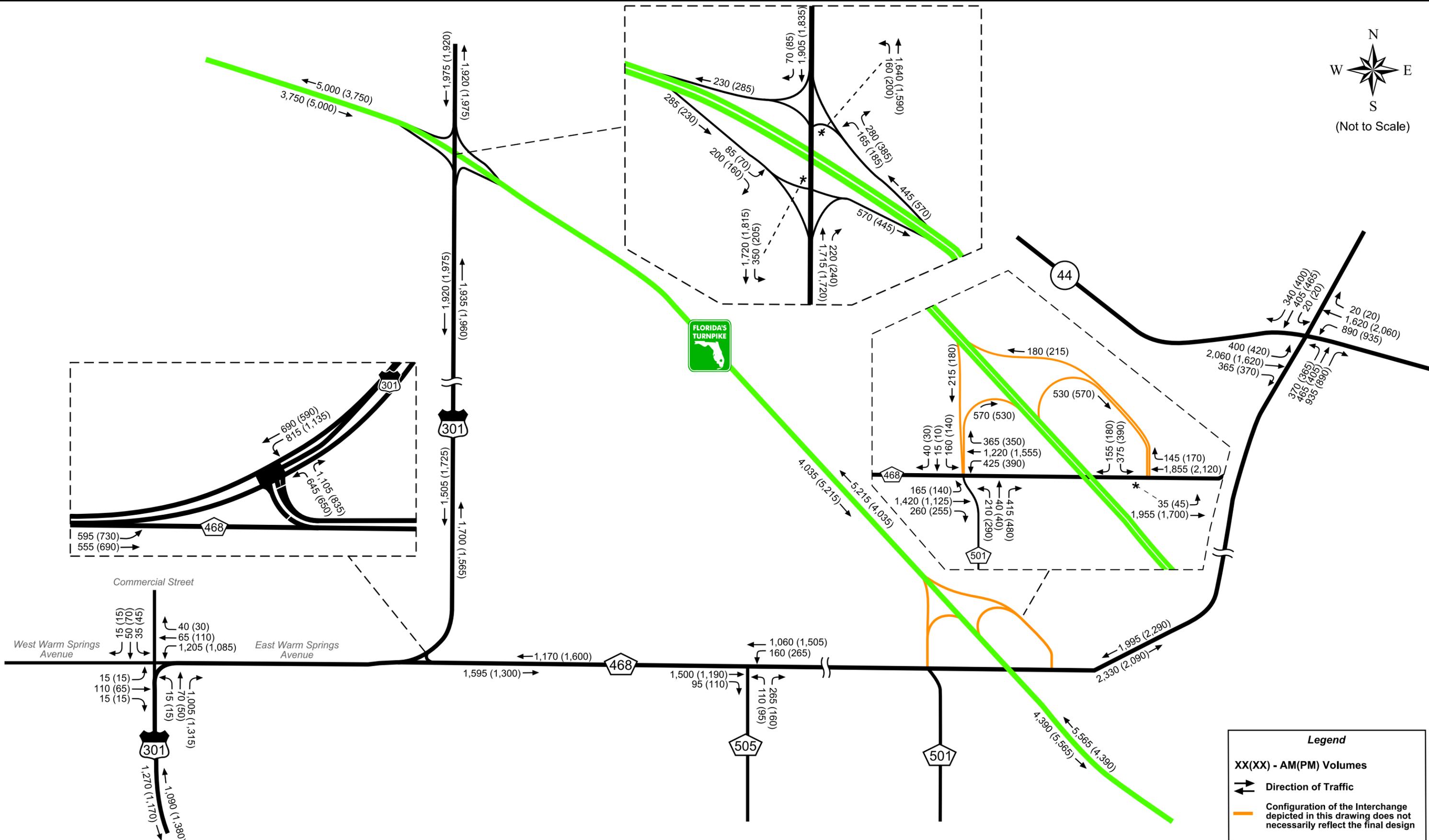
**Legend**

-  Signal Control
-  Recommended Minimum Lanes
-  2014 Recommendation
-  2024 Recommendation
-  2034 Recommendation









## Alternatives Evaluation Matrix

<b>Criteria</b>	<b>No Build Alternative</b>	<b>Build Alternative</b>
<b>ENGINEERING</b>		
Functional Relationship with Transportation Network	Does not enhance regional network	Improves region's connectivity
Safety	No benefit	Enhances safety by providing relief for parallel corridors of US 27 and US 301
Structures	No impact	No impact
Drainage	No impact	Culvert extension and other improvements
Utilities	No impact	Some impacts to existing utilities; will be relocated or remain in place depending on nature of impacts
<b>SOCIOECONOMIC</b>		
Relocation/Right-of-Way Acquisition	No impact	No relocations. All Right-of-Way to be acquired by The Villages
Community Services/Features	No impact	No impact to community facilities
Parks/Recreation Areas	No impact	No impact to parks
Compatibility with Local Plans	Inconsistent with Sumter County Comprehensive Plan	Consistent with Sumter County Comprehensive Plan
<b>ENVIRONMENTAL</b>		
Wetlands/Surface Waters	No impact	2.7 acres
Threatened and Endangered Species	No impact	Impacts to foraging habitat minimal
Air	No impact	No adverse impacts anticipated
Noise	No impact	No impact due to lack of noise sensitive receivers
Floodplain	No change to existing condition	Minor encroachment into 100-year floodplain may occur
Cultural	No impact	No impacts anticipated
<b>COST</b>		
Preliminary Engineering	\$0	\$4 million (\$2 million by The Villages)
Roadway Construction	\$0	\$16 million (\$7 million by The Villages)
Utility Relocation	\$0	Unknown at this time
Right-of-Way Acquisition	\$0	\$1.5 million (all by The Villages)