

***Board of County Commissioners***

**2016-2 Regular Cycle Amendments**

**2016-2 Small-Scale Amendments**

**And**

**Concurrent Rezoning Requests**

***Adoption Public Hearings***

**November 15, 2016**



# 2016-2 Amendment Process

- **Transmittal public hearings**
  - LPA – July 21, 2016
  - BCC – August 2, 2016
- **State and regional agency comments**
  - September 2016
- **Adoption public hearings**
  - LPA – October 28, 2016
  - BCC – November 15, 2016



# Order of Actions – Comp Plan

- **2016-1-A-5-1**  
**Sustany Future Land Use Map Amendment**
  
- **2016-2-B-TRAN-2**  
**LRTP Updates**
  
- **2016-2-B-FLUE-2**  
**PD Densities & Sustany Development Program**
  
- **Ordinance Adoption**

***2016-1-A-5-1 and 2016-2-B-TRAN-2***

# **East Orange County Transportation Overview**

**November 15, 2016**



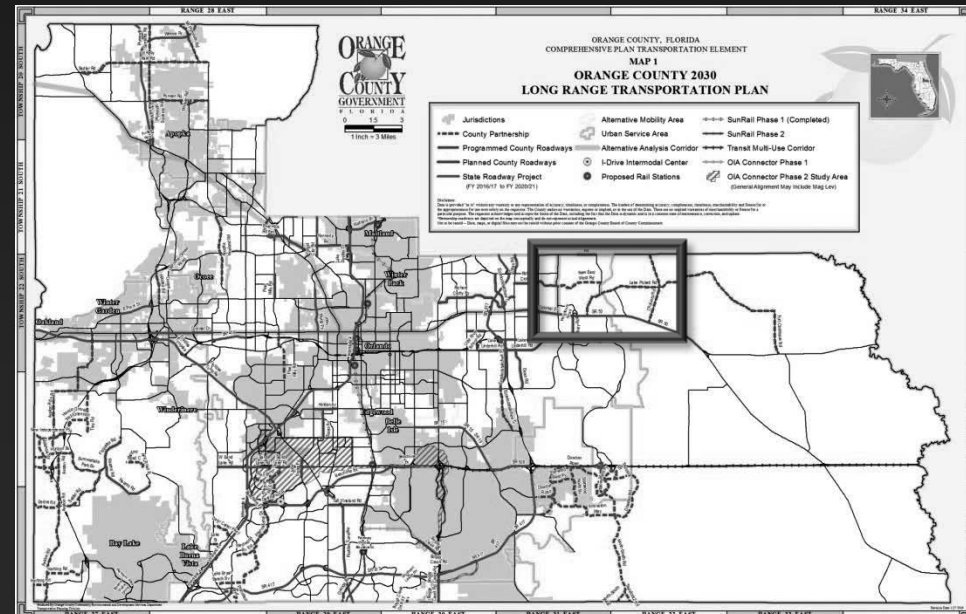
# Presentation Outline

- **Purpose**
- **Existing Conditions and the Adopted LRTP**
- **Future Project Needs**
- **Summary of Road Agreements**
- **Area-Wide Study**
- **Summary**



# Purpose

- Frame the transportation needs in east Orange County
- To discuss the requirements in Orange County Code regarding the McCulloch Road Ext.
- Clarify the “Area-Wide Study” policy





# Traffic Studies Conducted

- **By The Grow (fka LPS)**

- Luke Transportation Engineering Consultants, May 2015

- **By Sustany (fka LPN)**

- Traffic and Mobility Consultants, April 2015

- Traffic and Mobility Consultants, April 2016

- Traffic and Mobility Consultants, Supplemental Analysis  
October 2016

- **By Orange County**

- HDR Engineering, June 2015

- HDR Engineering, June 2016



# Presentation Outline

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- **Existing Conditions and the Adopted LRTP**
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- Summary and Next Steps





# Transportation Overview





# Existing + Committed Volumes (2014)

## Level of Service

**Legend**

 **LOS F**

 **LOS D-E**





# Why the deficiencies?

- **Significant growth east of the Econ River in Orange County and Seminole County**
- **No significant transportation investments**
  - SR 50 project 10-15 year behind need
  - Minor intersection improvements
- **Poorly developed transportation network**



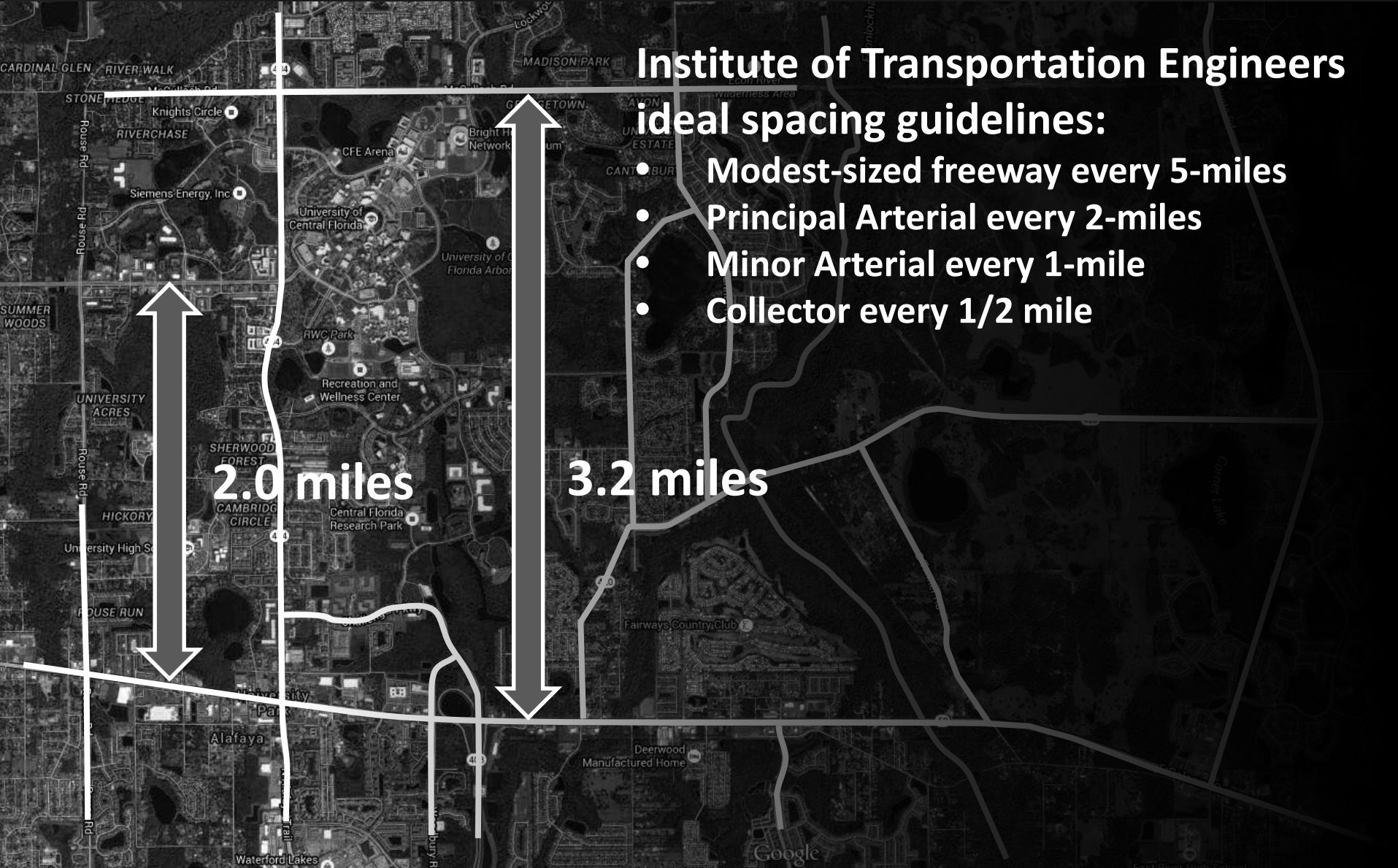
# Why the deficiencies?

**Institute of Transportation Engineers  
ideal spacing guidelines:**

- Modest-sized freeway every 5-miles
- Principal Arterial every 2-miles
- Minor Arterial every 1-mile
- Collector every 1/2 mile

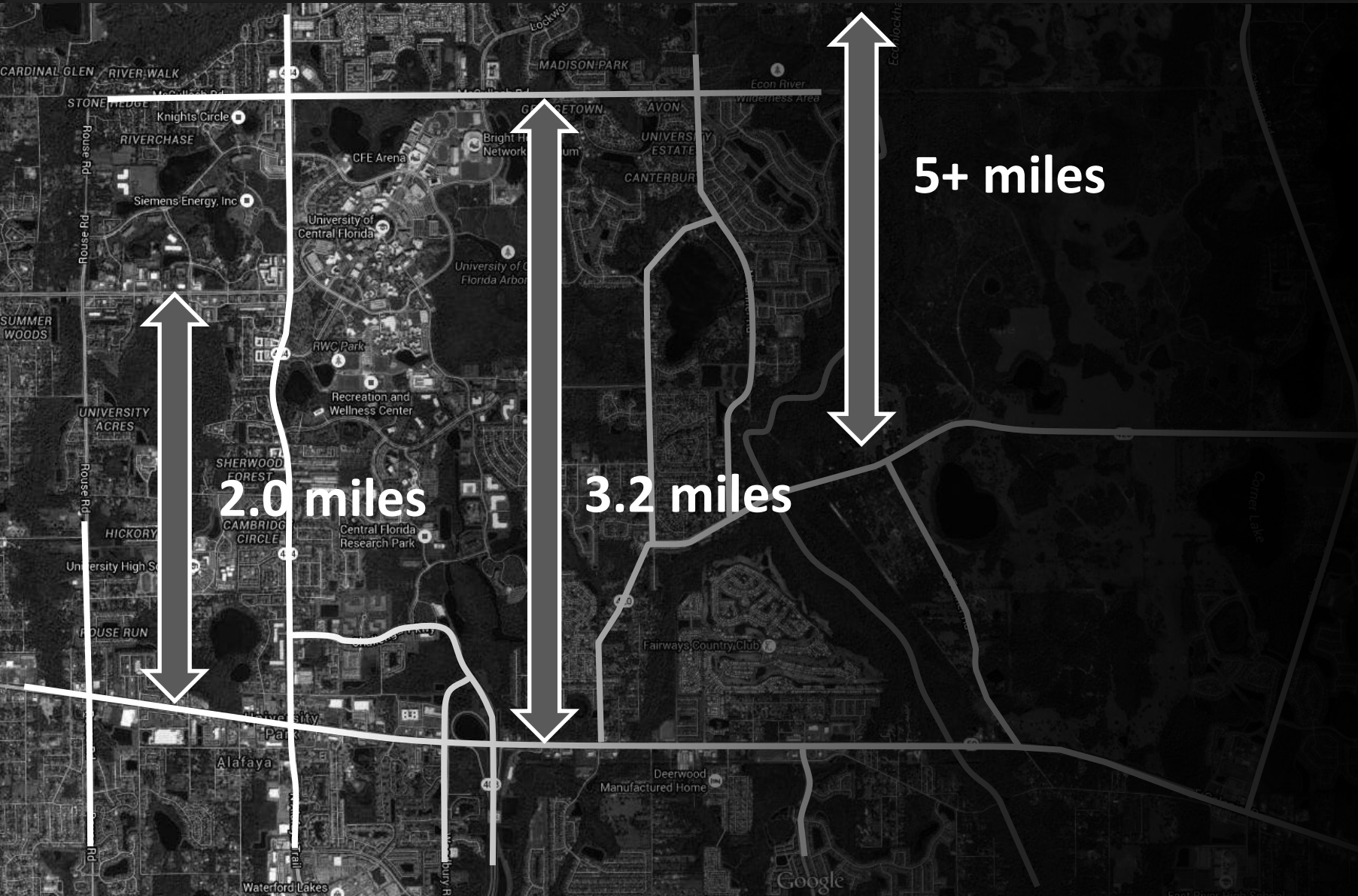
**2.0 miles**

**3.2 miles**





# Why the deficiencies?



2.0 miles

3.2 miles

5+ miles



# Why the deficiencies?





# Adopted LRTP Projects



Widen 2 to 4 Lanes

New 4 Lane

Widen 2 to 4 Lanes

Widen 2 to 4 Lanes

Widen 2 to 4 Lanes

Widen 4 to 6 Lanes



# Available Funding

- **Existing transportation needs total over \$85M**
- **State/Regional Projects**
  - SR 50 from Avalon Blvd to SR 520
  - SR 408 Eastern Extension
- **Most of needed improvements are outside USA**
  - District 5 INVEST Funds ~ \$38.0M
  - ‘County Partnership’ projects require partners or a different funding strategy





# Presentation Outline

- Purpose
- Existing Conditions and the Adopted LRTP
- **Future Project Needs**
- Summary of Road Agreements and LRTP Amendment
- Area-Wide Study
- Summary and Next Steps



# Future (2030) Conditions LOS\*

## No-build of LPN/LPS

**Legend**

 **LOS F**

 **LOS D-E**

**\* Does not include 'County Partnership' Projects**

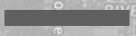





# Future (2030) Conditions LOS

## With LPN/LPS

**Legend**

 **LOS F**

 **LOS D-E**





# Transportation Partnership





# Presentation Outline

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- Future Project Needs
- **Summary of Road Agreements**
- Area-Wide Study
- Summary and Next Steps



# Transportation Partnership





# Transportation Partnership

- **The Grow (fka Lake Pickett South)**
  - \$26.0M total transportation
  - Infrastructure funding and completion before significant transportation impacts
  - Contribution far in excess of impact fee revenues
- **Approved by the BCC on Sept 15, 2016**



# Transportation Partnership

## ▪ Sustany (fka Lake Pickett North)

### –Fund and Construct (Public Private Partnership)

- McCulloch Road west widening (Orion Blvd to N. Tanner Rd)
- McCulloch Road extension (end of McCulloch Rd to Sustany Way)
- Sustany Way (McCulloch Rd to Lake Pickett Rd)
- Connector Road (Sustany Way to Chuluota Rd)
- Chuluota Road (Lake Pickett Rd to SR 50)

### –Cost savings would be shared 50/50

### –Maximum contribution of \$26.0M (excluding Sustany Way and Connector Rd)





# Transportation Partnership

## ▪ Sustany (fka Lake Pickett North)

–Funding relies on:

- Developer contributions (Impact Fee Credits)
- INVEST funds or other County funds
- FDOT Refund or other developer contributions

–Trip and CO release as projects completed

–Contribution far in excess of impact fee revenues

–Road agreement to be considered as part of zoning hearing



# McCulloch Rd. Extension

- **In addition to the basin wide regulations, Section 15-443 of OC Code in part, states:**

**(c) “There shall be no additional crossing by road, rail or utility corridors of the protection zone unless three (3) conditions are met:**

- (1) There is no feasible and prudent alternative to the crossing;**
- (2) All possible measures to minimize harm to the resources of the basin will be implemented; and**
- (3) The crossing supports an activity that is clearly in the public interest as determined by the board of county commissioners.”**



# McCulloch Rd. Extension

- **The use of additional crossings co-located with existing crossings shall be presumed to be the least harmful alternative.**



**Existing, deforested utility crossing along p  
McCulloch Rd corridor.**



**Mature, healthy ecosystem at Lake Pickett Road  
bridge.**



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# Area-Wide Study





# Area-Wide Study

- **Transportation needs exceed plan provisions, regardless of whether LPS/LPN are approved**
- **Additional transportation projects require:**
  - **Coordination of stakeholders**
  - **Detailed engineering and environmental review**
  - **Strong technical justification**
  - **Understanding of impacts**
  - **Understanding of funding and project commitments**



# New Comp Plan Policy

- **FLU 6.9.5 – East Orange Area-Wide Transportation Study**
  - Study complete by December 2017
  - Study area bounded by Alafaya, SR 50, Chuluota, Seminole County line
  - Purpose:
    - Identify and analyze projects to improve connectivity and relieve constrained corridors
    - Prioritize potential projects for further evaluation
  - Stakeholders – local residents, FDOT, CFX, Lynx, UCF, Research Park, Seminole County



Oviedo County Rd 419

State Forest

S Central Ave

E Mitchell Hammock Rd

Palmetto Ave

Lockwood Blvd

County Rd 419

Village of Taintsville

Snow Hill Rd

Brumley Rd

Slavia

Twin Rivers Golf Club

Chuluota

W Chapman Rd

417

434

Seminole State College - Oviedo Campus

Lake Mills

426

434

Lockwood Blvd

Old Lockwood Rd

South County Road 419

Fort Christmas Rd

Dean Road

417

Lake Pickett

N Fort Christmas Rd

417

University of Central Florida

N Tanner Rd

University Blvd

420

Central Florida Research Park

Dean Road

Rouse Rd

417

420

Chalenger Pkwy

S Tanner Rd

Union Park

Alafaya

408

N Alafaya Trail

Dean Road

Rouse Rd

N Econlockhatchee Trail

Bithlo

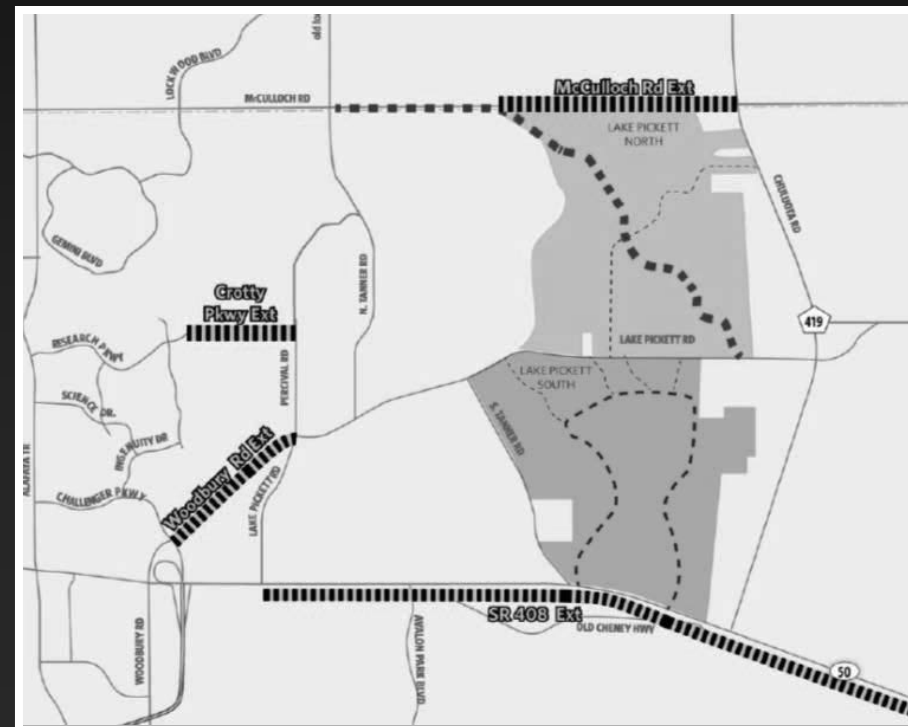
Google





# Area-Wide Study

- County's 2016 traffic study showed preliminary benefits of future corridors
- Traffic demand / LOS very sensitive to local connections (system near capacity)





# Presentation Outline

- Purpose
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# Summary

- **Significant transportation deficiencies in East Orange County**
- **McCulloch Ext. critical to completing transportation network**
- **Future needs exceed available funding**
- **\$100M+ partnership plan to deliver needed projects and improve LOS**
- **Area-wide study to develop “next generation” of projects**





# **Amendment 2016-2-B-TRAN-2**

**Request: Text and map amendments to the Transportation Element to update the Long Range Transportation Plan**

**District: Countywide**



# 2016-2-B-TRAN-2

## Policy Summary

- Amend the County's adopted 2030 Long Range Transportation Plan (LRTP) Map to depict the Innovation Way Multimodal Transportation Network (MMTN), the Orlando International Airport Intermodal Center, and the status of transit studies for state roadways.
- Amend the LRTP, only if the Board of County Commissioners chooses to adopt related Future Land Use Map amendments, to include related partnership roadways to expedite the required Roadway Conceptual Analysis process.

# 2016-2-B-TRAN-2



1 Inch = 3 Miles

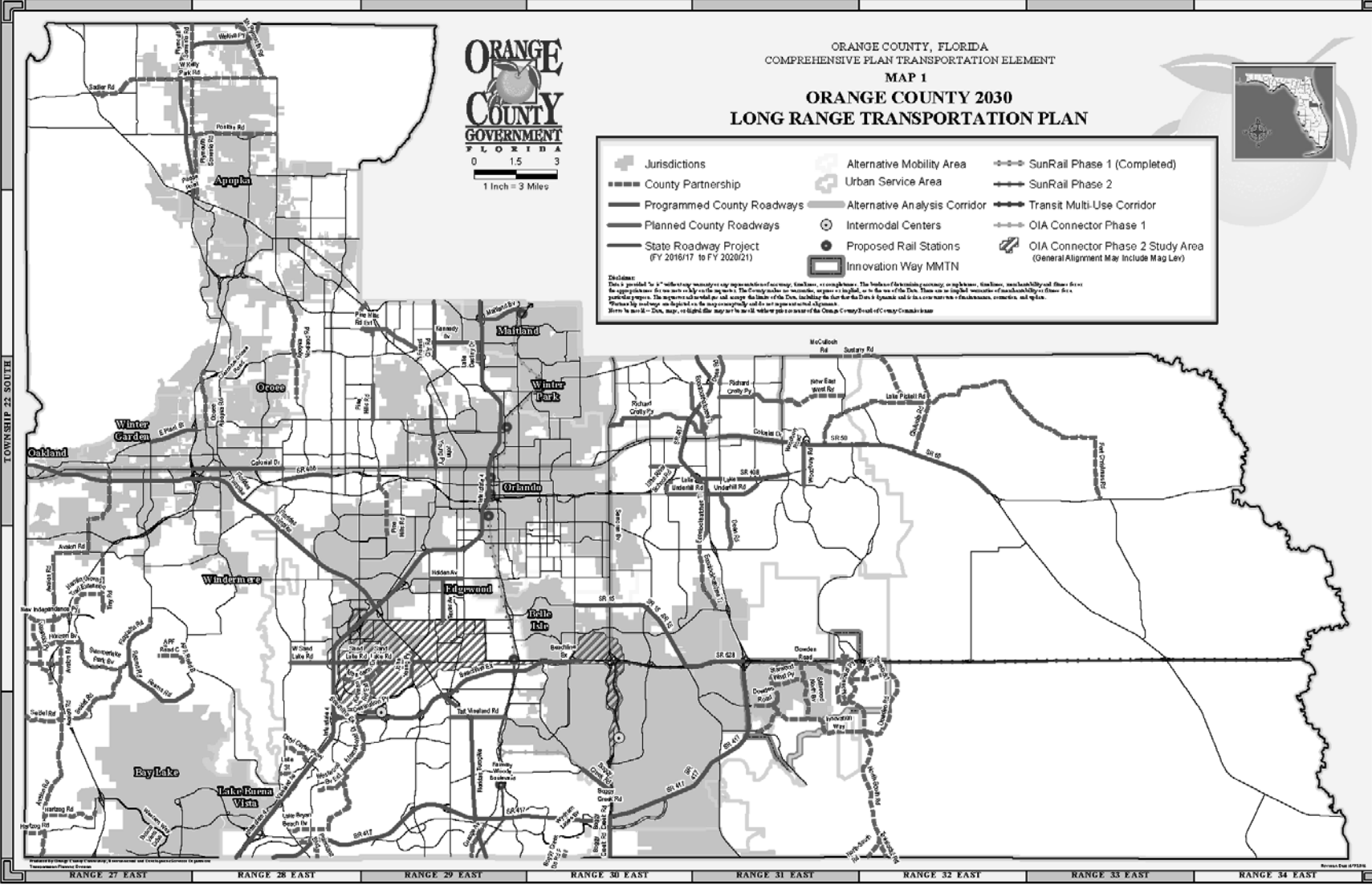
## ORANGE COUNTY, FLORIDA COMPREHENSIVE PLAN TRANSPORTATION ELEMENT

### MAP 1 ORANGE COUNTY 2030 LONG RANGE TRANSPORTATION PLAN



Jurisdictions	Alternative Mobility Area	SunRail Phase 1 (Completed)
County Partnership	Urban Service Area	SunRail Phase 2
Programmed County Roadways	Alternative Analysis Corridor	Transit Multi-Use Corridor
Planned County Roadways	Intermodal Centers	OIA Connector Phase 1
State Roadway Project (FY 2016/17 to FY 2020/21)	Proposed Rail Stations	OIA Connector Phase 2 Study Area (General Alignment May Include Mag Lev)
	Innovation Way MMTN	

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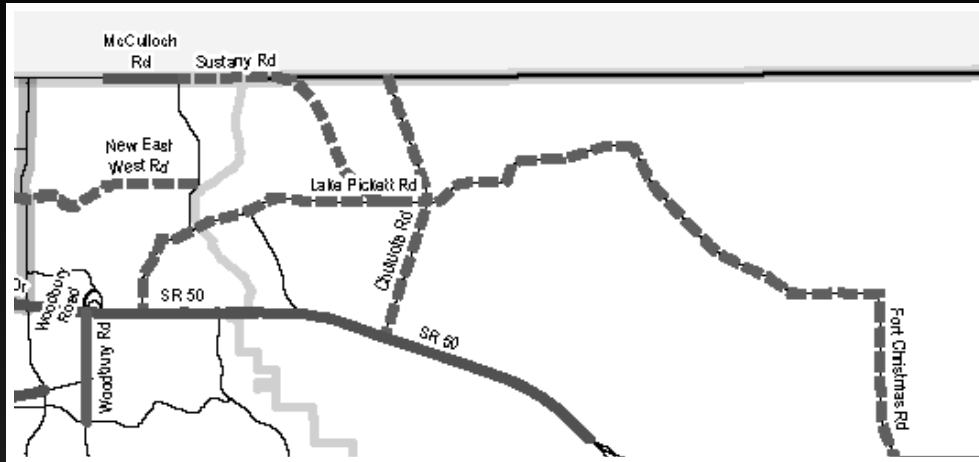


TOWNSHIP 20 SOUTH  
TOWNSHIP 21 SOUTH  
TOWNSHIP 22 SOUTH  
TOWNSHIP 23 SOUTH  
TOWNSHIP 24 SOUTH

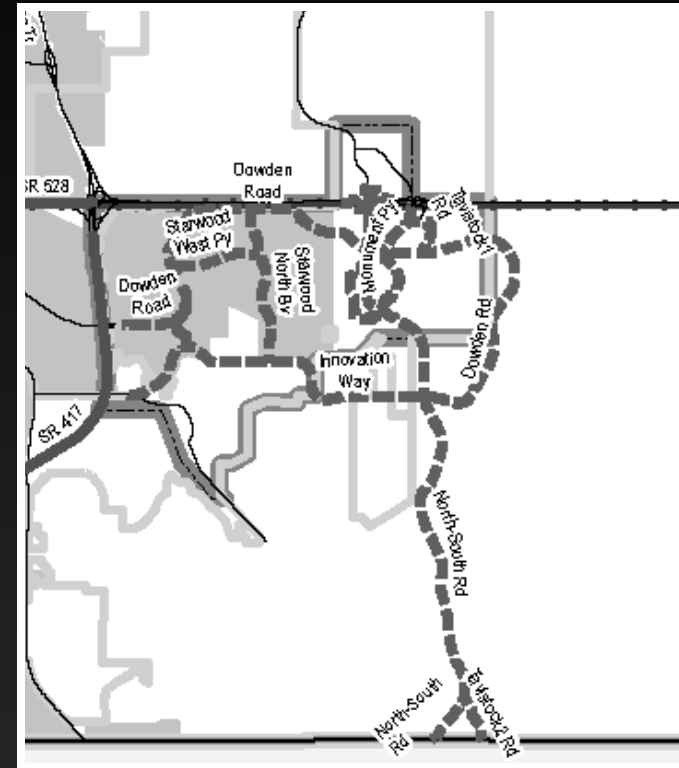
RANGE 27 EAST    RANGE 28 EAST    RANGE 29 EAST    RANGE 30 EAST    RANGE 31 EAST    RANGE 32 EAST    RANGE 33 EAST    RANGE 34 EAST



# 2016-2-B-TRAN-2



- McCulloch Road from North Tanner Road to Sustany Road (if BCC adopts 2016-1-A-5-1)
- Sustany Road from Lake Pickett Road to McCulloch Road (if BCC adopts Amendment 2016-1-A-5-1)
- North-South Roadway from Innovation Way to Osceola County Line (if BCC adopts Amendment 2016-2-A-4-2 on Nov. 29, 2016)





# Amendment 2016-2-B-TRAN-2

**Staff Recommendation:                      ADOPT**

**LPA Recommendation:                      ADOPT**

## **Action Requested**

- **Make a finding of consistency with the Comprehensive Plan;**
- **Determine that the proposed amendment is in compliance; and**
- **Adopt Amendment 2016-2-B-TRAN-2**





# Order of Actions

- **2016-1-A-5-1**  
Sustany Future Land Use Map Amendment
- **2016-2-B-TRAN-2**  
LRTP Updates
- **2016-2-B-FLUE-2**  
PD Densities & Sustany Development Program
- **Ordinance Adoption**
- **LUP-16-07-246**  
Sustany PD-RP Rezoning
  - Econ River Crossing Determination
- **Consent Agenda Items**
  - Adequate Public Facilities Agreement
  - Transportation Network Agreement



# 2016-2-B-TRAN-2 (LRTP)

**Staff Recommendation: ADOPT**

**LPA Recommendation: ADOPT**

## **Action Requested**

- **Make a finding of consistency with the Comprehensive Plan;**
- **Determine that the proposed amendment is in compliance; and**
- **Adopt Amendment 2016-2-B-TRAN-2**