

**Concept Development and
Evaluation Study**

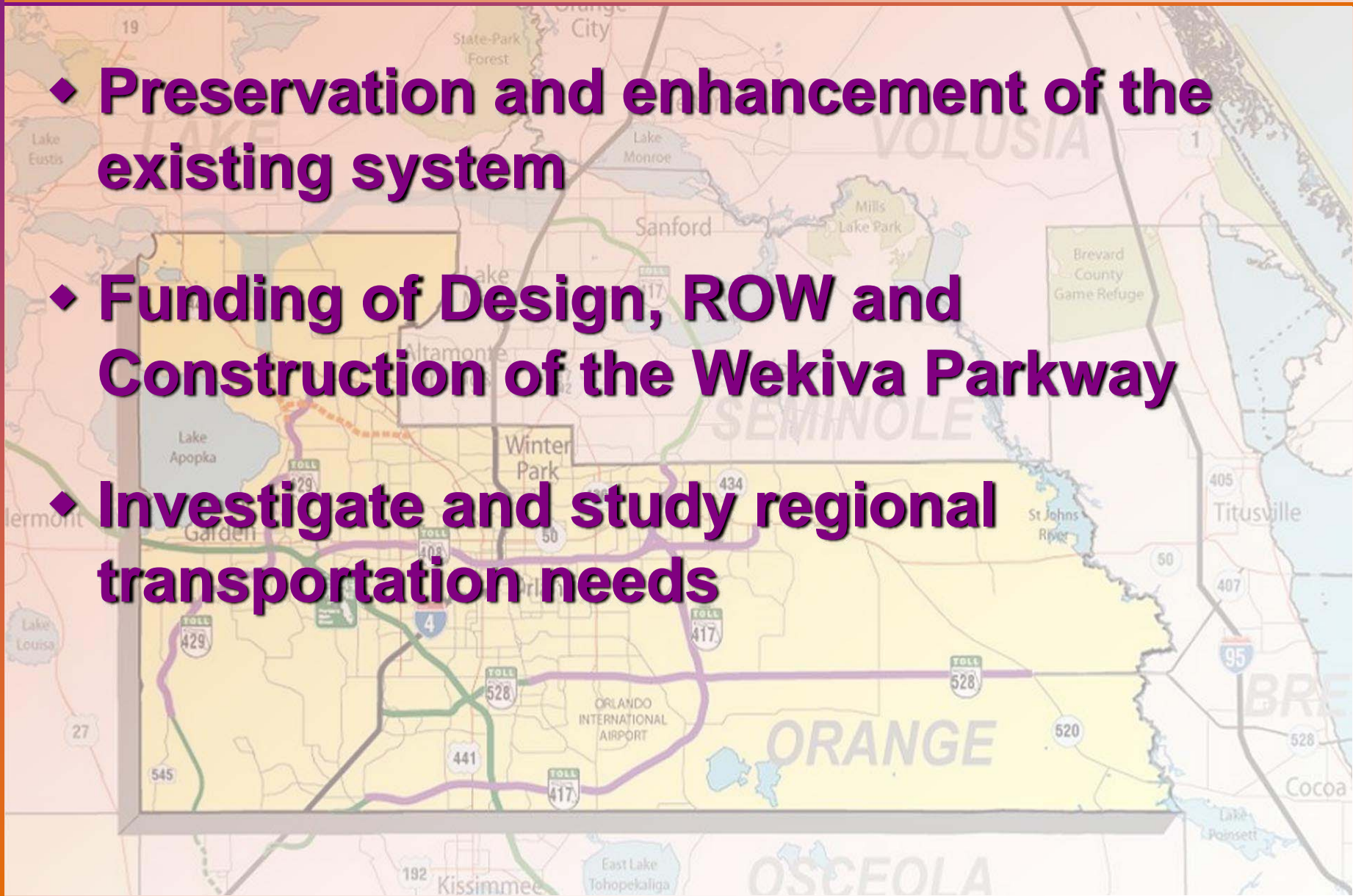
**SR 429 to US 27
Connector**

**Lake Sumter MPO
Presentation
February 27, 2008**



OOCEA Priorities

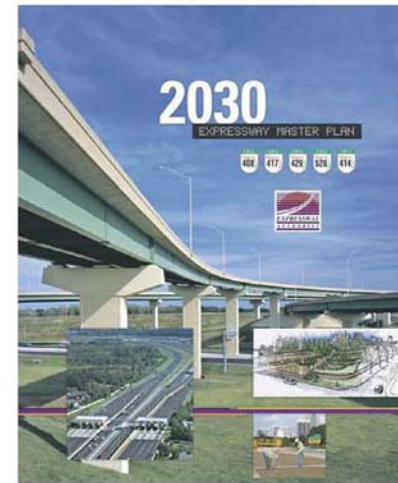
- ◆ **Preservation and enhancement of the existing system**
- ◆ **Funding of Design, ROW and Construction of the Wekiva Parkway**
- ◆ **Investigate and study regional transportation needs**



Master Plan Policies

- ◆ **Invest in New Toll Roads in Orange County**
 - ◆ **Explore New Markets and Services to Meet Central Florida's Growth Trends**
 - ◆ **Examine Needs from a Regional Perspective**
 - ◆ **Investigate Partnership Opportunities for Toll Roads in Adjacent Counties**
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- The background of the slide is a map of Central Florida, highlighting the Orange County area in yellow. The map shows major toll roads in purple, including SR 429, SR 408, SR 417, and SR 528. Other roads shown include SR 19, SR 1, SR 434, SR 405, SR 407, SR 50, SR 441, SR 546, SR 192, and SR 27. Major cities and towns labeled include Lake Eustis, Sanford, Winter Park, Orlando, Titusville, and Cocoa. Water bodies like Lake Apopka, Lake Monroe, Lake Poinsett, and Lake Tohopekaliga are also shown. County names like VOLUSIA, SEMINOLE, and OSCEOLA are partially visible.

Study History



- Study completed in 2006
- Reaffirms policy profile with minor modifications
- Capital Improvement Plan
 - \$1.3 billion in existing system improvements
 - \$4.8 billion in potential expansion projects
- Expands Renewal/Replacement program
- Participate in New Markets/Services, where feasible

Study Goals

Determine:

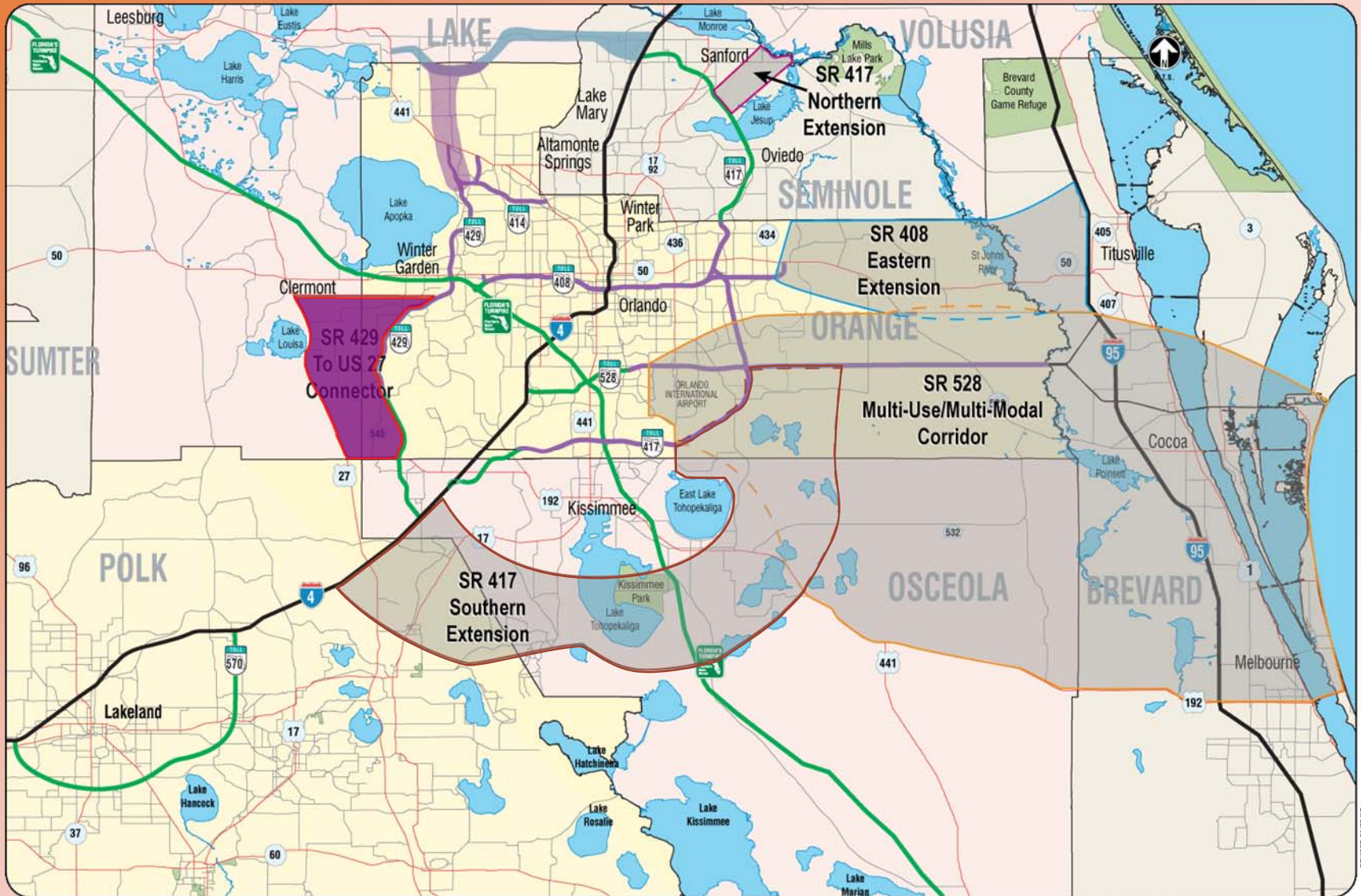
- 1) Is there a transportation purpose and need to expand existing facilities or provide a new facility?
- 2) Is it feasible to meet these needs in an environmentally and community sensitive manner?
- 3) Are the proposed improvements financially viable?



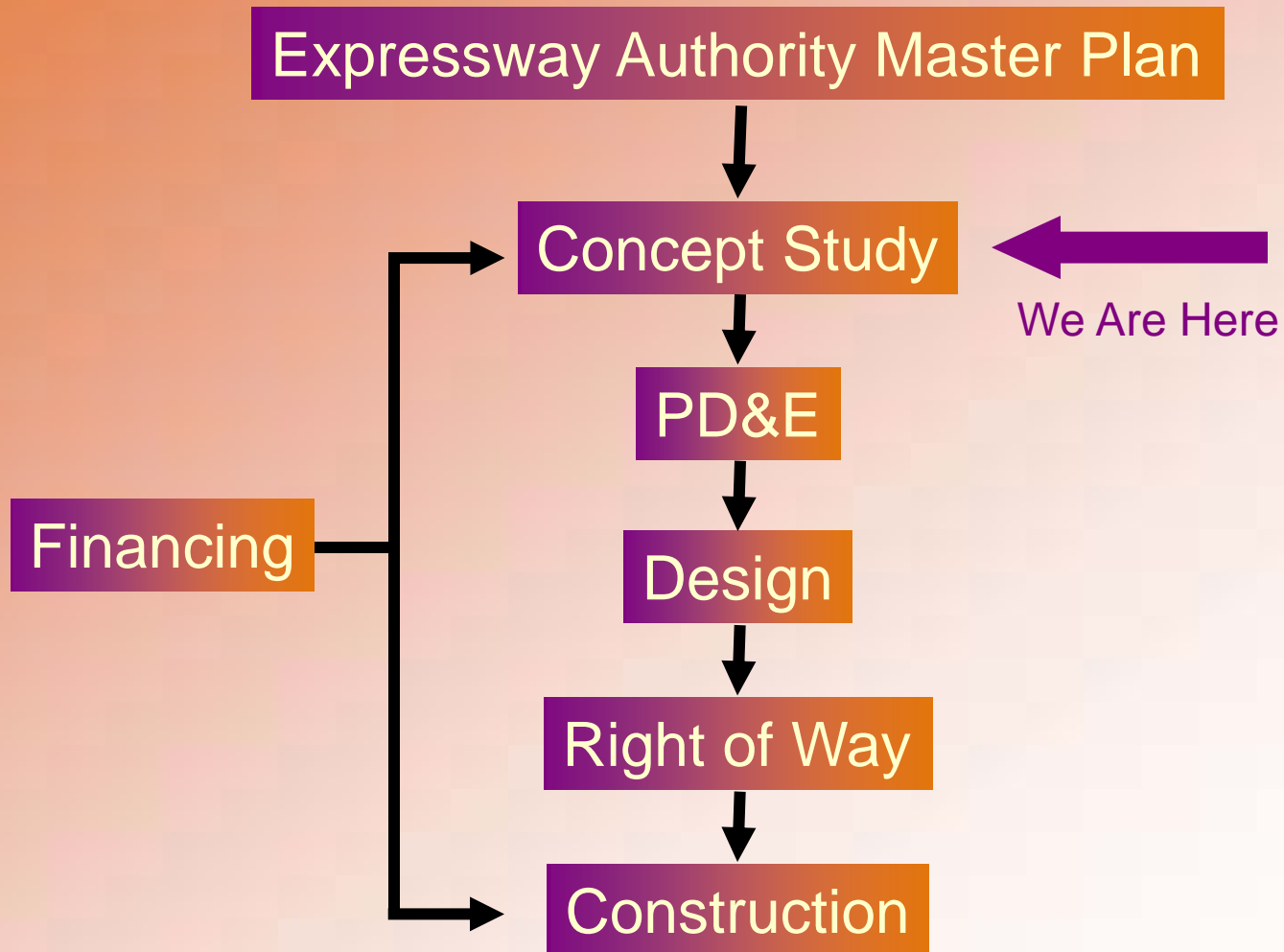
Study Goals

“These studies will not necessarily result in the expansion of our system, but in the growth of the overall transportation network for the region. Some of the transportation needs could potentially be met by other agencies.”

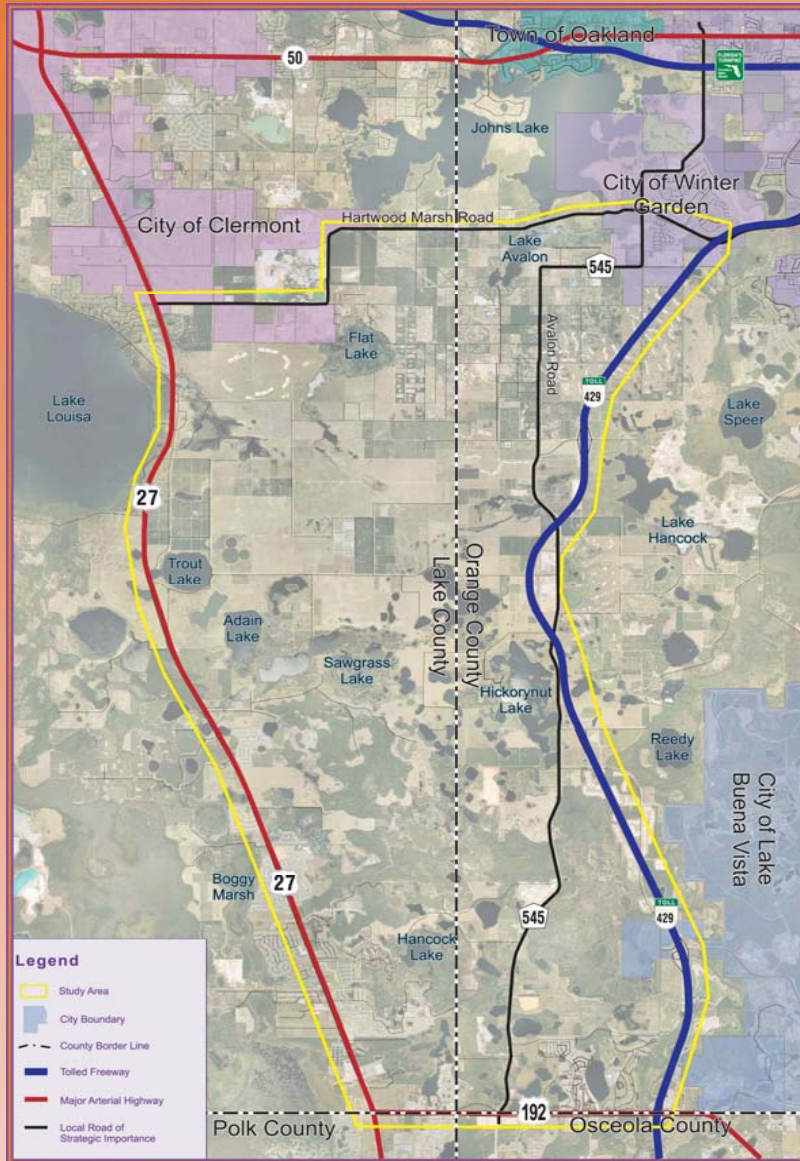
SR 429 to US 27 Connector (formerly 408 Western Extension) Concept Development and Evaluation Study



Project Development Process



SR 429/US 27 Study Tasks



Identify:

- ◆ Purpose and need (what problems would the new road resolve, either current or future).
- ◆ Potential corridors for new roads that would have the least negative impacts to the community and the surrounding environment.

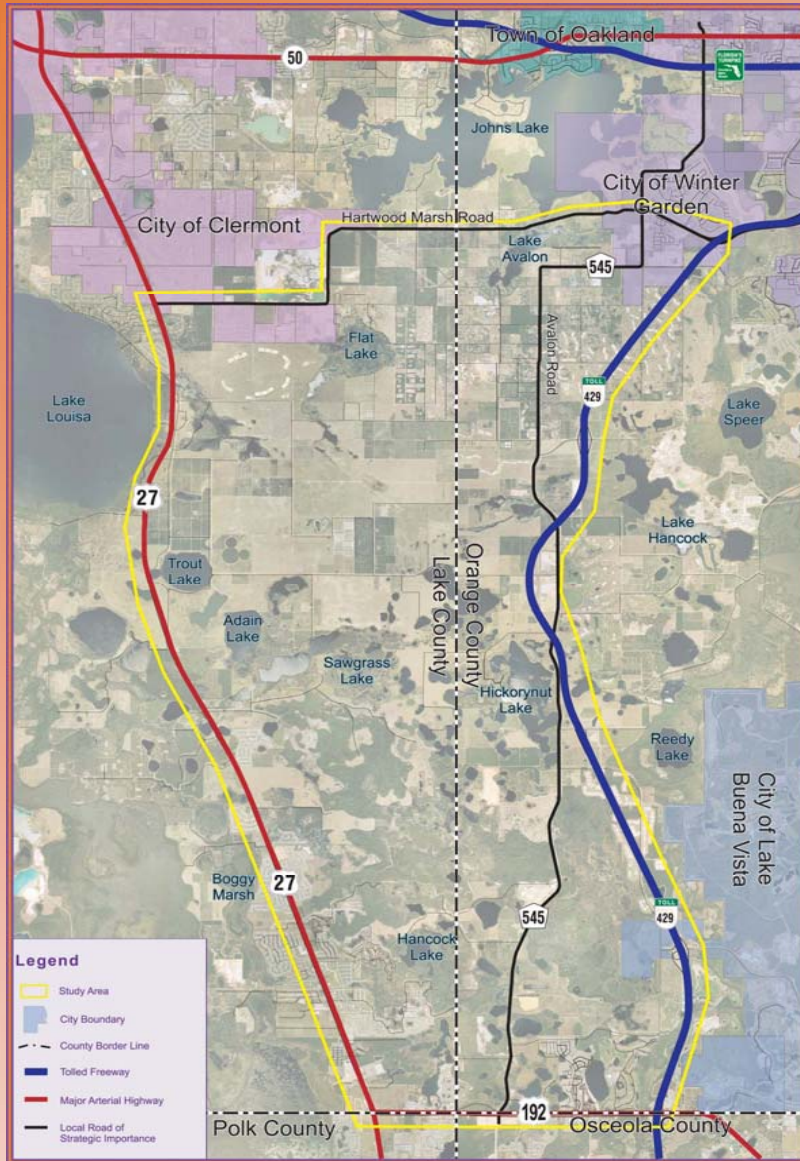
Analyze:

- ◆ Potential impacts each corridor may have.

Determine:

- ◆ Would it be feasible to construct or upgrade an existing road or new road as a toll facility?

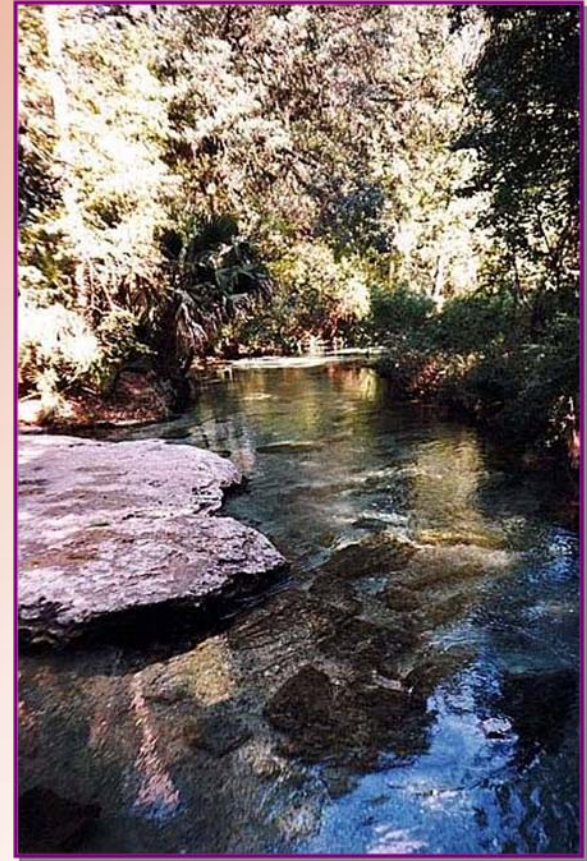
SR 429/US 27 Purpose and Need



- ◆ Relieve Congestion on Area Roads
- ◆ Provide Goods and Services to Future Developments
 - Particularly Horizon West Town Center
- ◆ Additional/Safer Transportation Capacity
- ◆ Emergency Evacuation
- ◆ Disaster Event Recovery

Study Efforts Producing.....

- ◆ Transportation Purpose and Need
- ◆ Opportunities and Constraints
- ◆ Viable Corridors
- ◆ Document of Findings
- ◆ Determination of Feasibility as Limited Access Toll Road
- ◆ Identification of Potential Partners
- ◆ Framework for a Project Development and Environment (PD&E) Study



Agency/Public Outreach



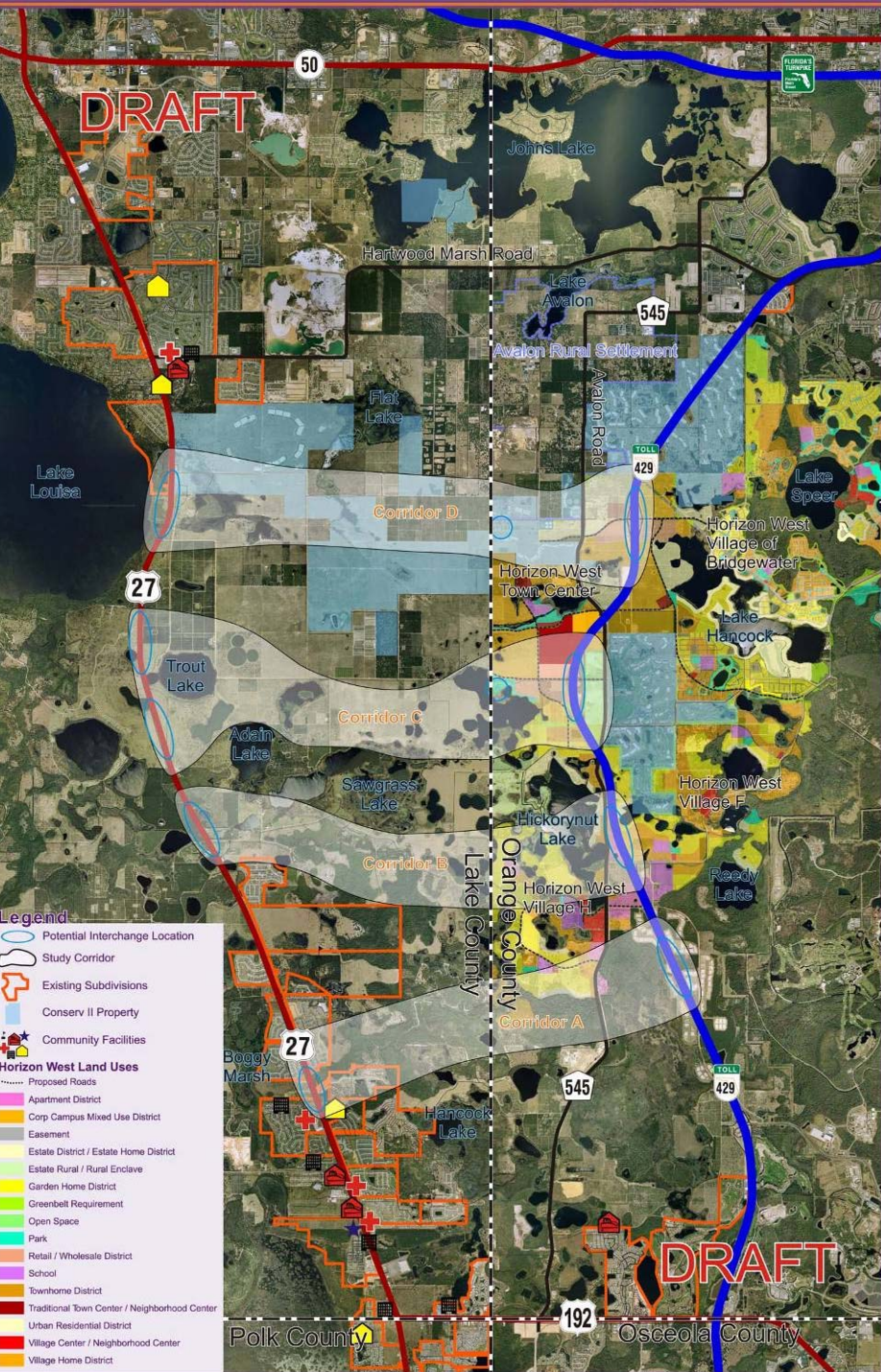
Agency/Public Outreach



Agency/Public Outreach



Level 1 Corridors



- Eliminate Corridor "B"
- Impacts to Hickorynut Lake
 - Environmental
 - Relocations
- Reconstructs Seidel Road Interchange
- Lowest volume of projected traffic

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Level 2 Corridors

• Corridor A

- Least impact to Horizon West planned development
- Least amount of Right-of-Way required
- Highest wetland impact
- Highest traffic volume served

• Corridors C & D

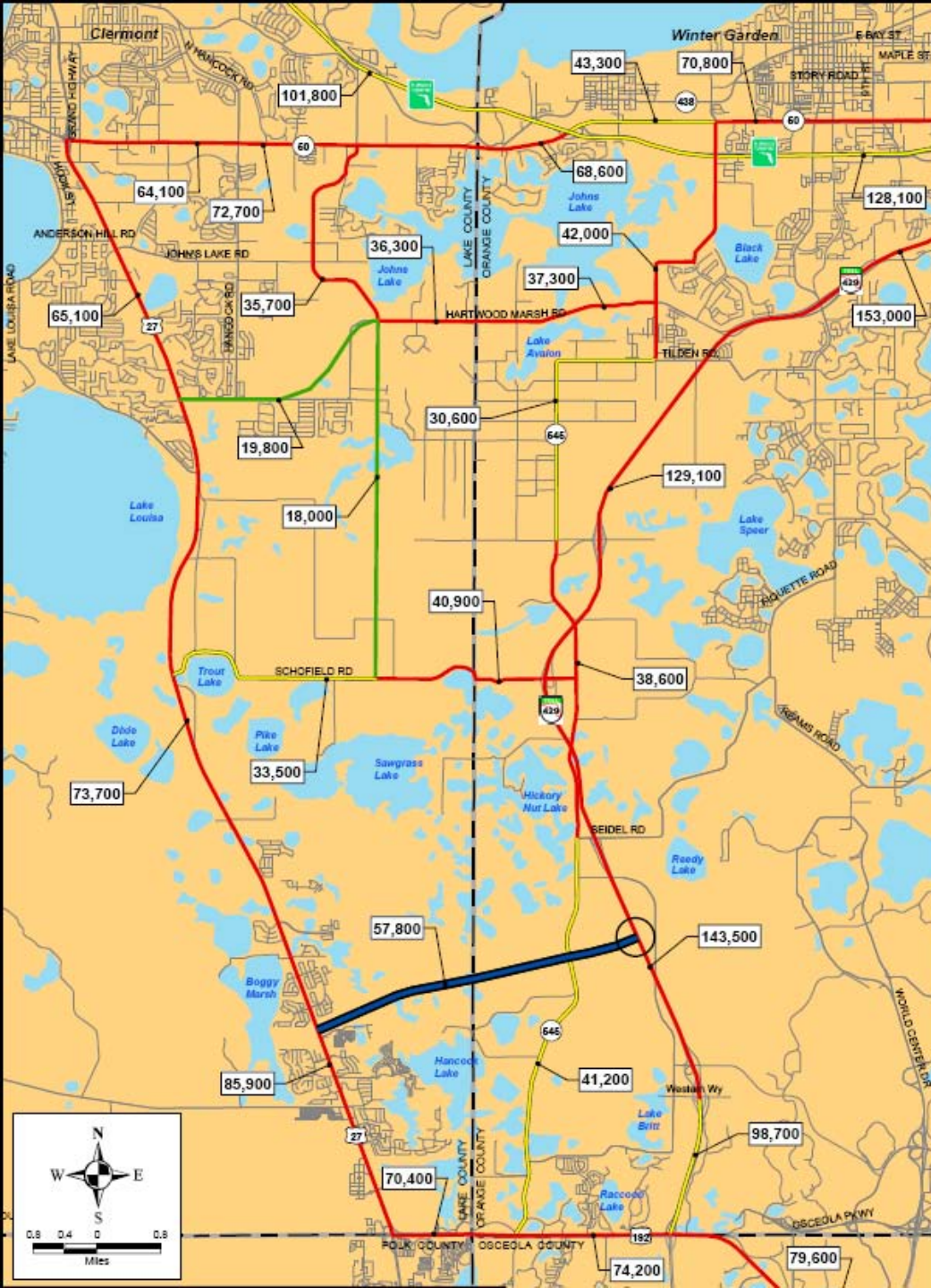
- Lowest wetland impact
- Lowest estimated Construction Cost

• Corridor D

- US 27 terminus adjacent to Lake Louisa

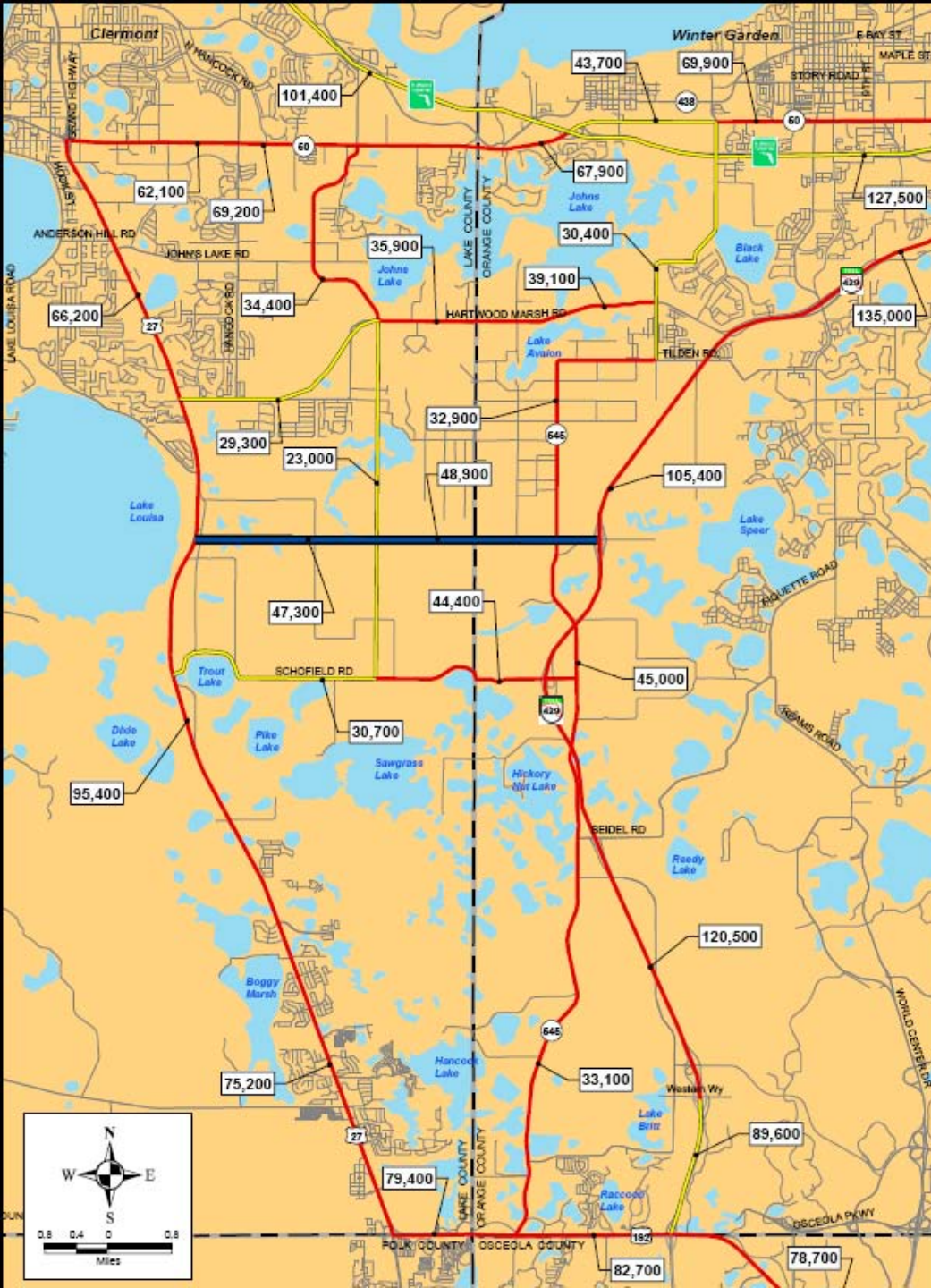
Traffic

Corridor A – Arterial 2035 Daily Traffic Projections



Traffic

Corridor D – Arterial 2035 Daily Traffic Projections



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Study Recommendations

Corridor A

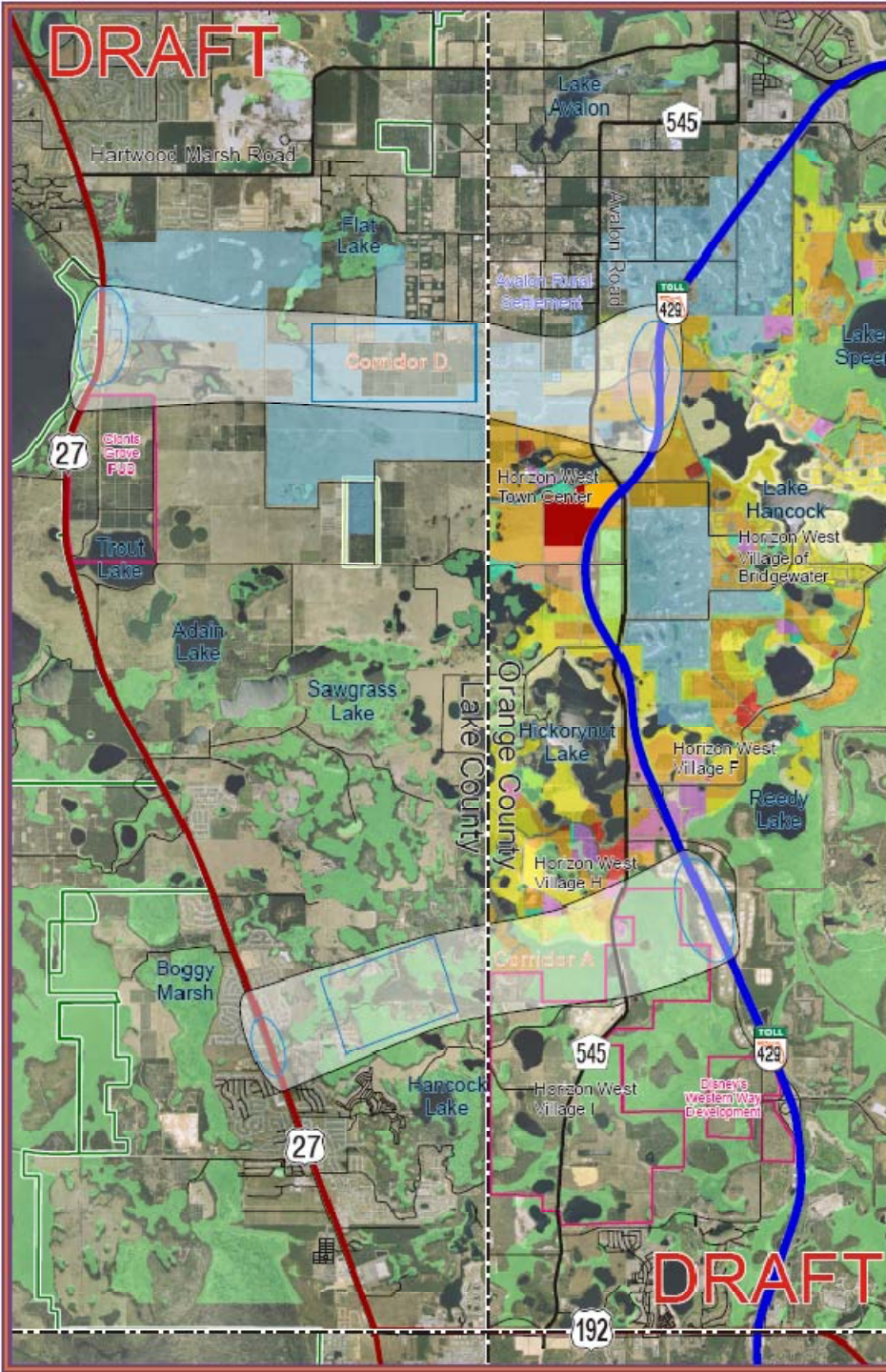
- Fulfills the transportation need
- Diverts traffic from congested US 192
- Highest level of potential environmental impacts

Corridor D

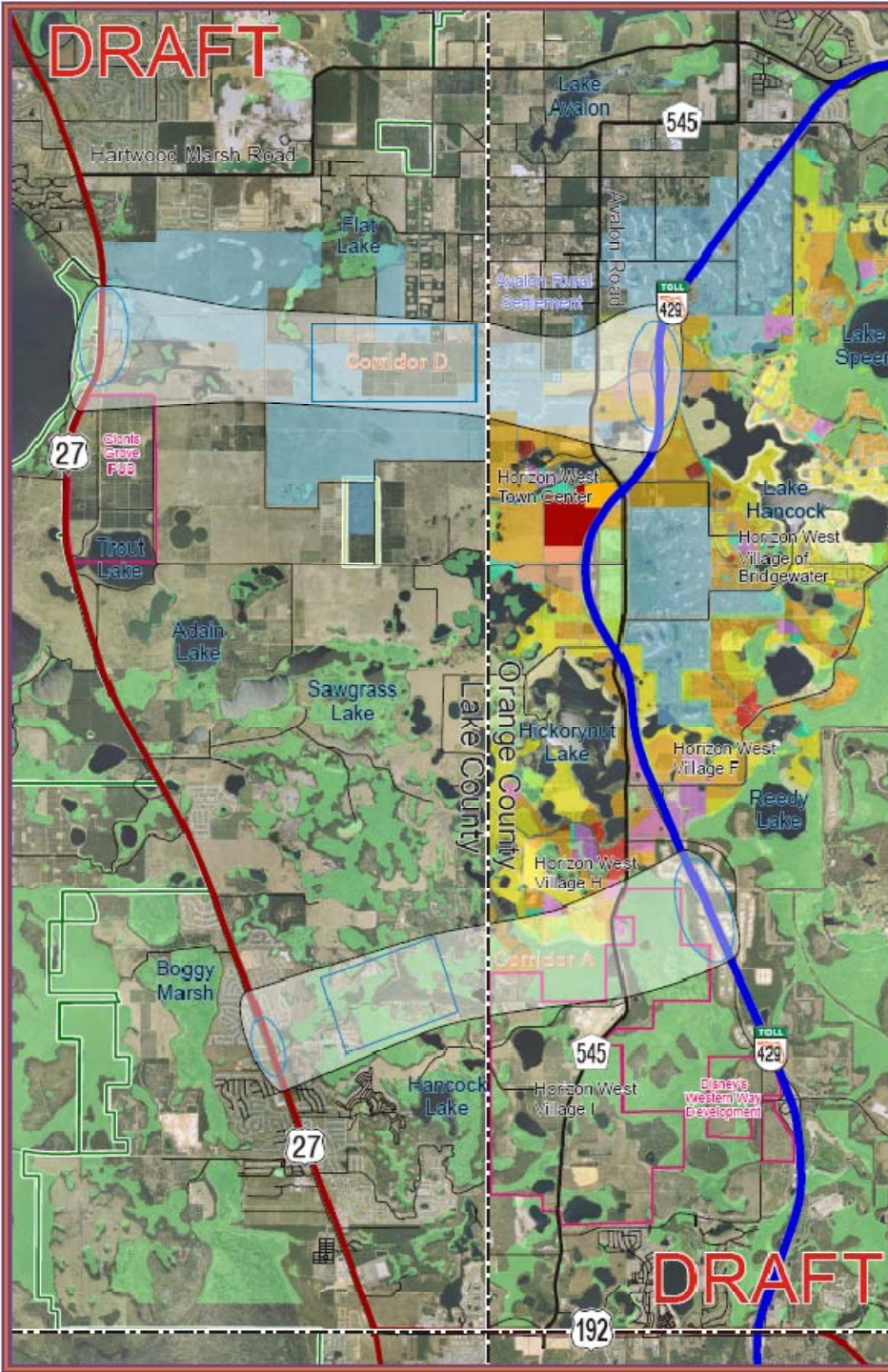
- Fulfills the transportation need
- Meets the objectives of environmental protection and community building
- Western terminus opposite of Lake Louisa limits opportunity to extend the roadway west into the Green Swamp.
- Lowest projected daily traffic volumes, it performs best in overall traffic indicator tests.

Sensitivity analysis

- Network of east-west six-lane roadway arterials could also meet the transportation needs



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Study Recommendations

- Future volumes dependent on future development
- If Study Area develops local governments consider:
 - Public Private Partnerships
 - Donation of Right-of-Way
 - Financial Contributions