

C-468 From US 301 to Florida's Turnpike Preliminary Engineering Study

April 19, 2011

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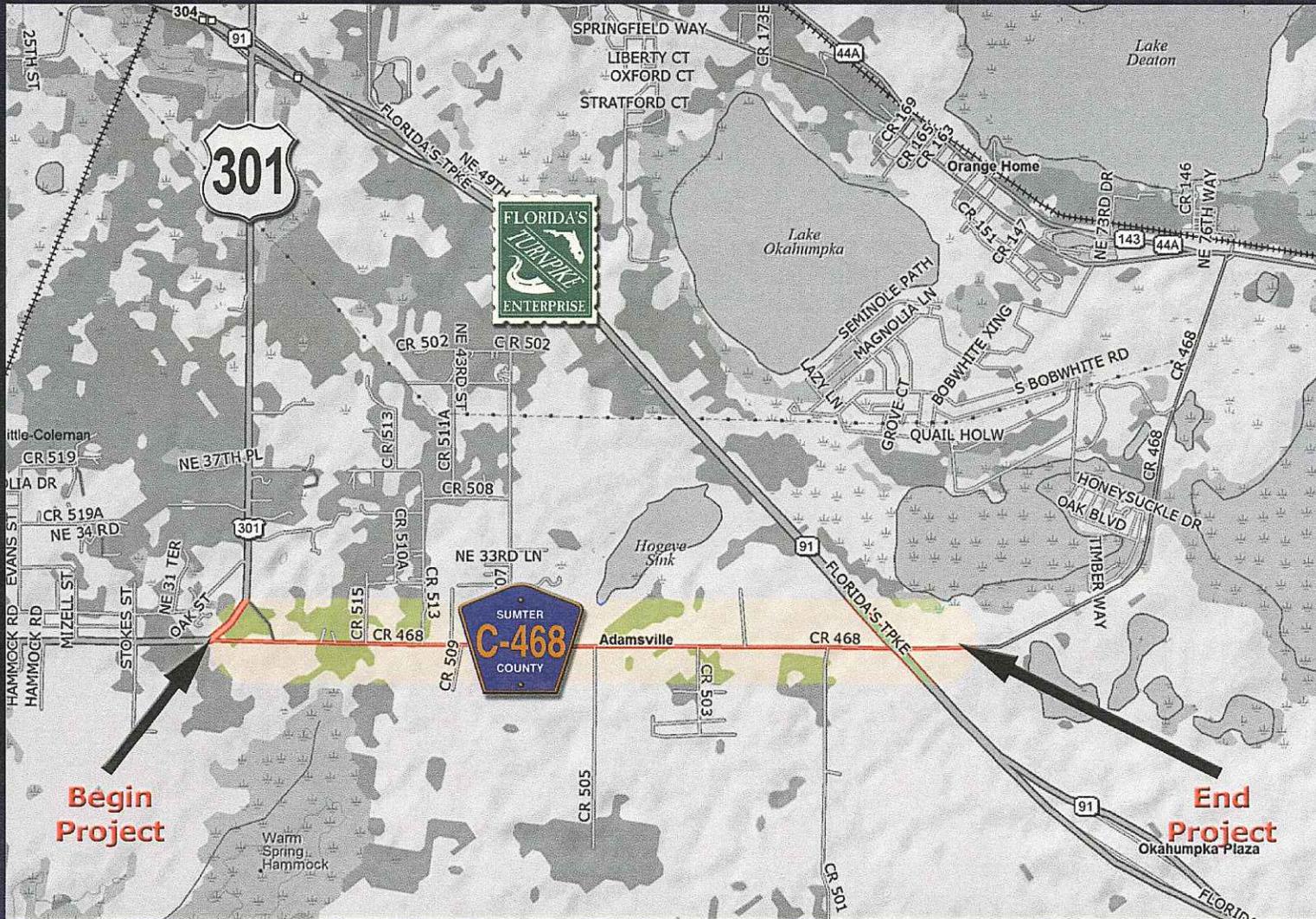
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FROM US 301 TO EAST OF FLORIDA'S TURNPIKE PRELIMINARY ENGINEERING PRESENTATION



Location Map



Study Objectives

- **Develop a corridor alignment and typical sections that minimize impact to adjacent property, existing or proposed developments, wetlands, historical or archaeological sites and protected wildlife**
- **Determine the lane geometry to accommodate future, design year 2035 traffic volumes**

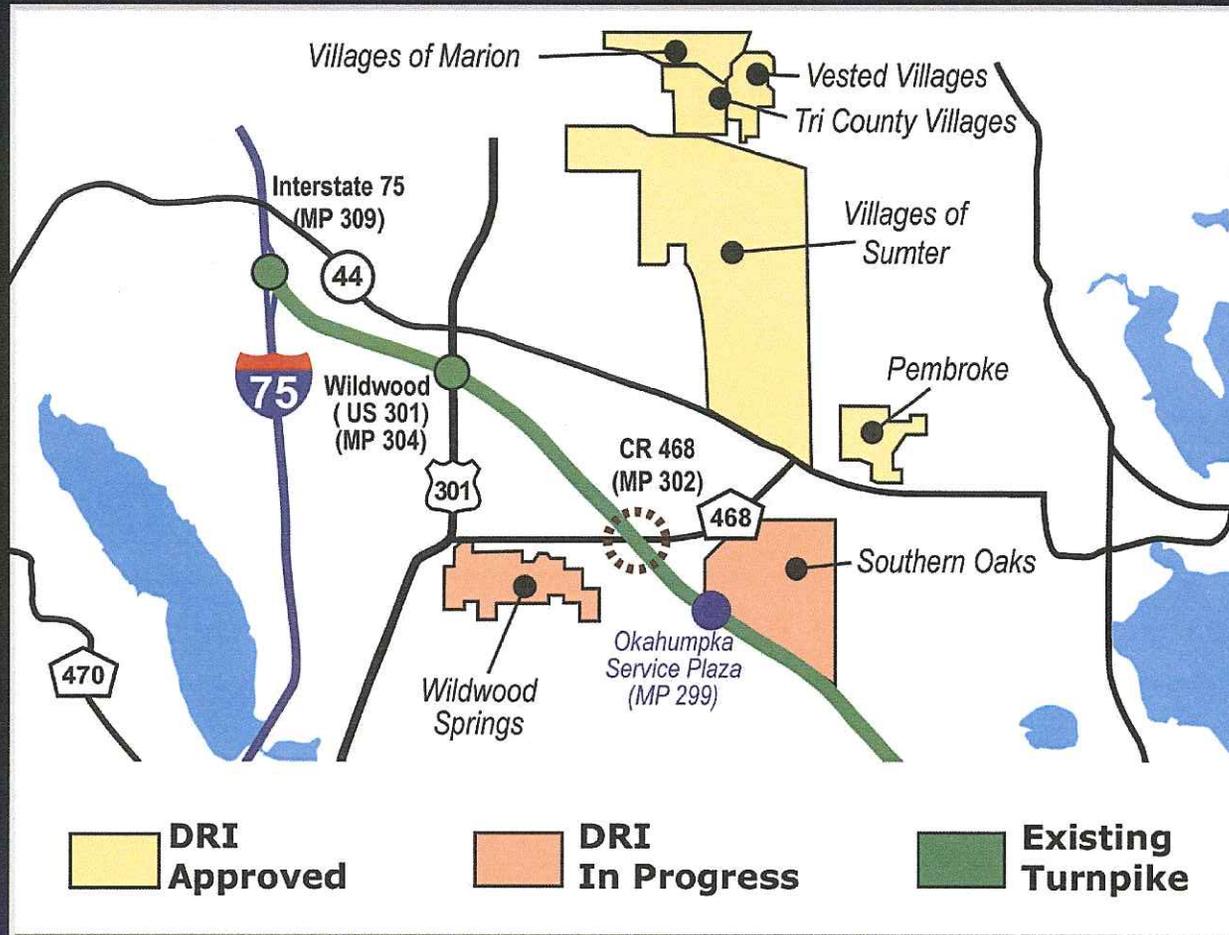
Adjacent Roadway Improvements



Future Daily Traffic Projections



Future Development

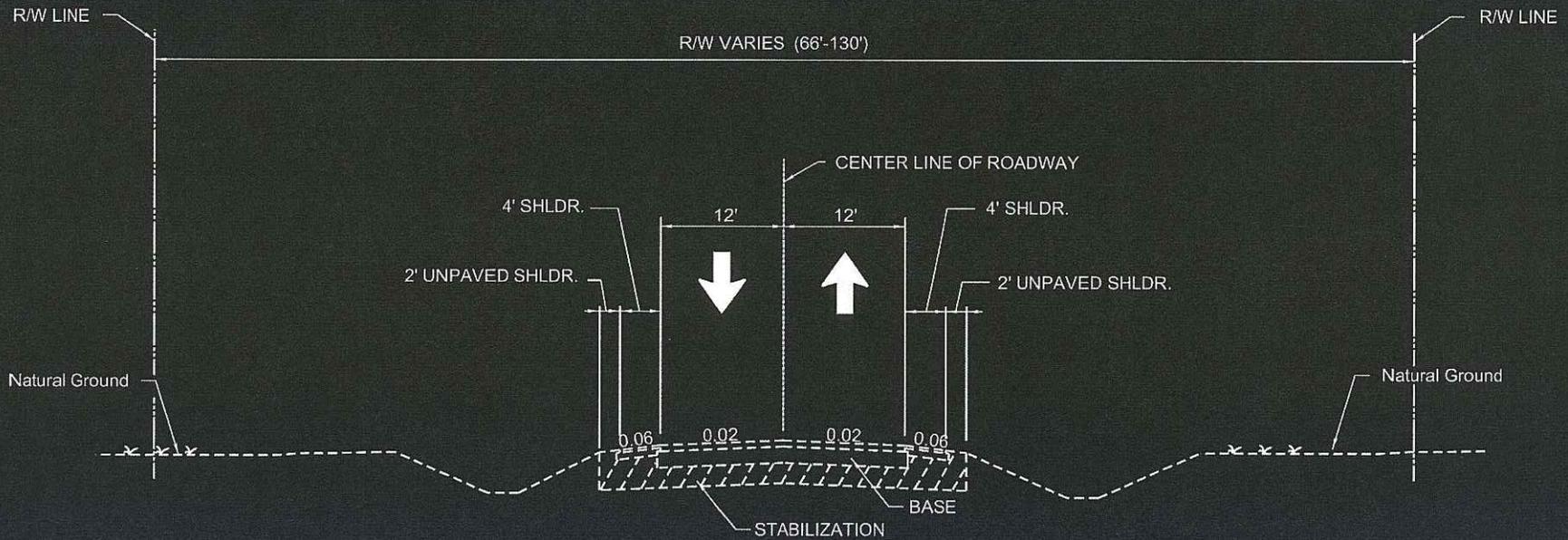


Existing Cross Section

TO BE UPDATED



Existing Typical Section



Recommended Build Alternative

- **Four-lane, divided urban and suburban typical sections with bike lanes and sidewalks**
- **Signalization and improvements at US 301, CR 501, and the Turnpike off-ramp**
 - **Wildwood Springs Proportionate Share Agreement is approved and therefore Wildwood Springs will build the 4 lane entrance/intersection improvement at US 301**
- **Project ties into the future widening on the east side of Florida's Turnpike**
 - **Typical sections will transition to match**

Recommended Build Alternative

- **New alignment will widen to the south until the Adamsville Cemetery, then transition to the north for the remainder of the project length**
- **Large portion of right of way needed will be dedicated by the Wildwood Springs DRI on the west end of the corridor**
- **A sister bridge will be constructed across Florida's Turnpike to accommodate four lanes of traffic**

Proposed Cross Section



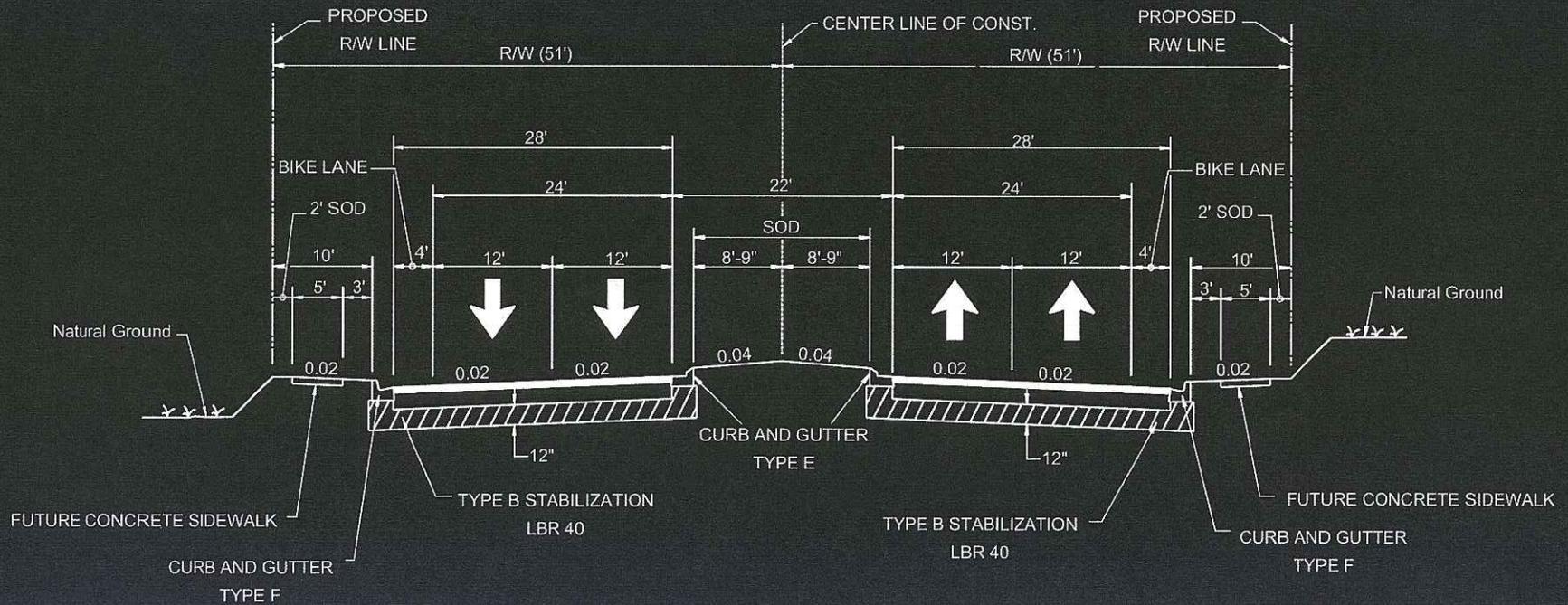
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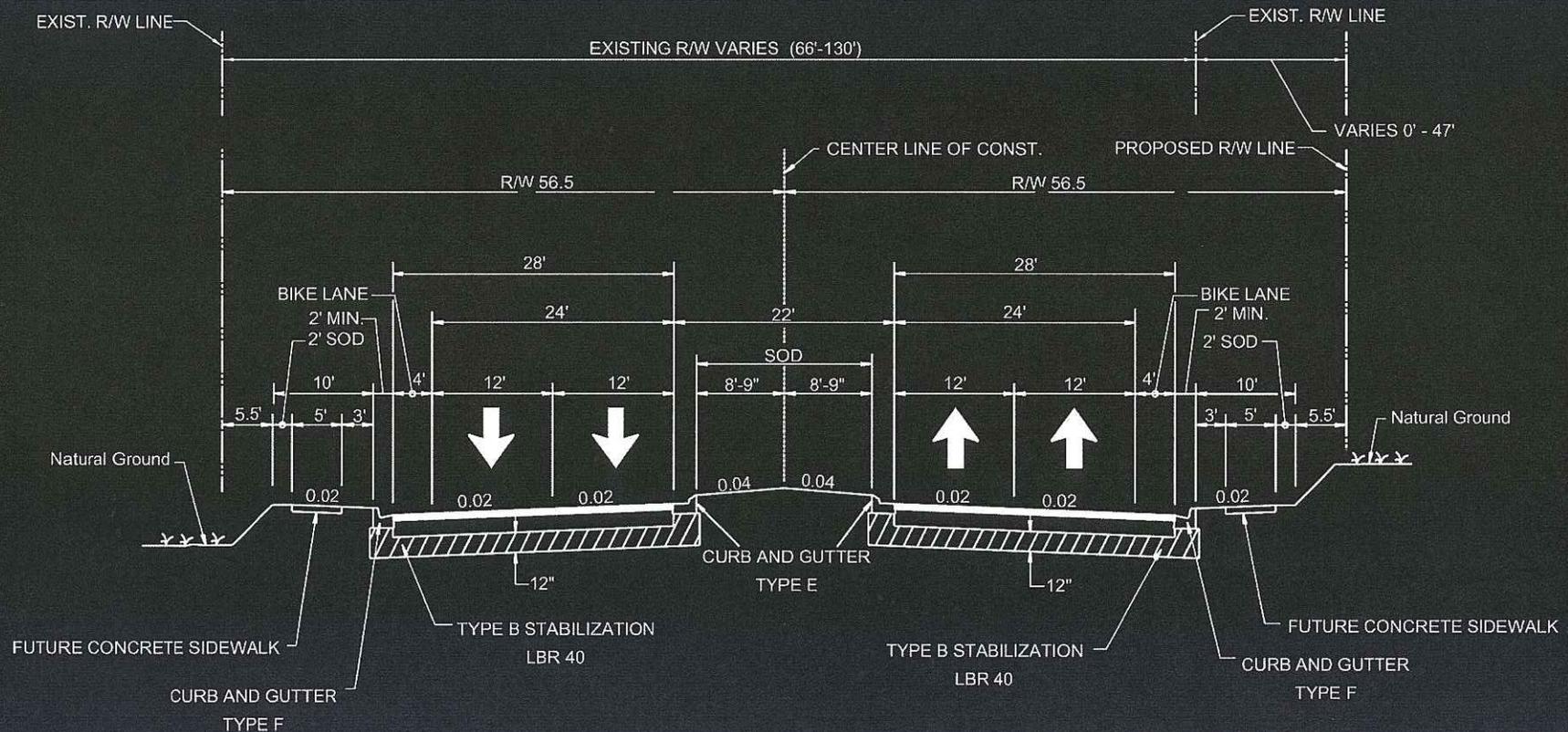


Proposed Urban Typical Section



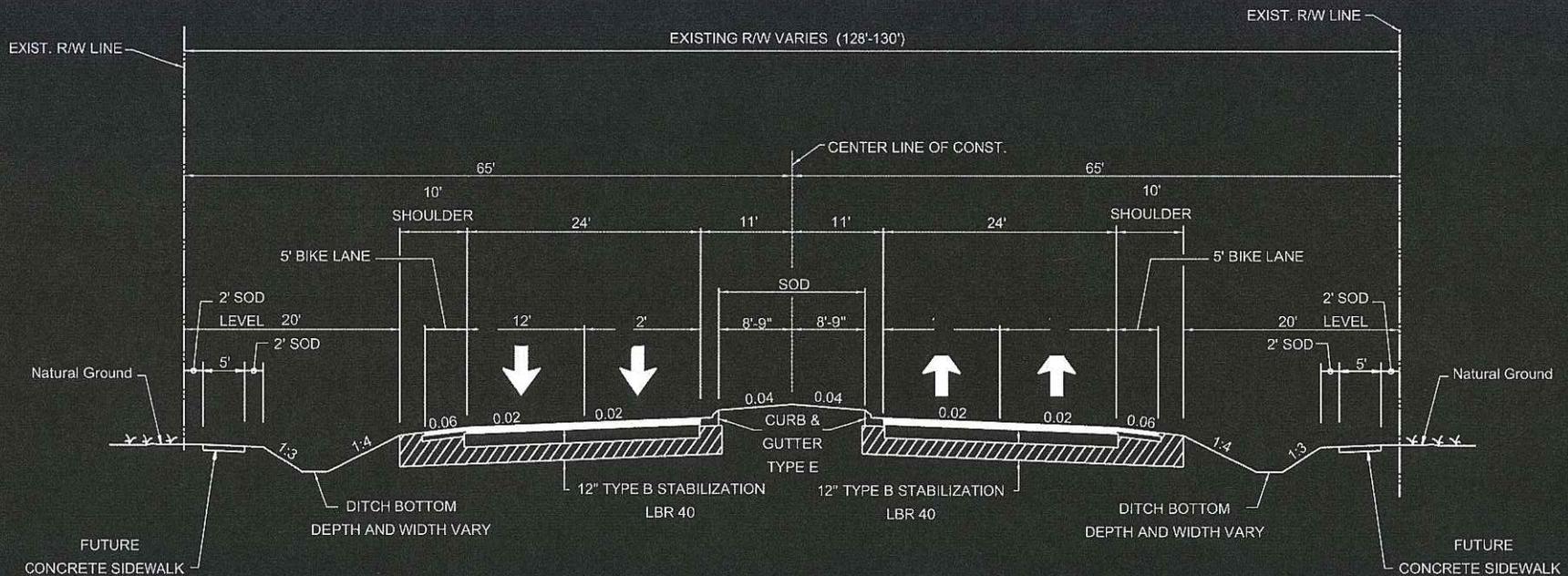
US 301 Connector – to be constructed by Wildwood Springs

Proposed Urban Typical Section



From US 301 Connector to CR 505

Proposed Suburban Typical Section



From CR 505 to end of project

Suburban typical section will transition to match urban typical section of the eastern widening

Proposed Alignment



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Proposed Alignment



Proposed Alignment



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Proposed Alignment



Public Involvement

- **Public Meeting February 24th 2011 at the Sumter County Villages Complex**
- **Attendance was approximately 60 people**
- **Nine comments were submitted, requesting additional information regarding their properties**
- **Two informal petitions were submitted, stating they were not in favor of the widening**

Environmental Impacts

- **Minor social improvements include the addition of bike lanes and sidewalks**
- **No Archaeological or Historic site impacts**
- **No wetlands impacted, Wildwood Springs to address their impacts**
- **No impacts to wildlife and associated habitat**
- **Minor noise impacts, with mitigation analysis to be completed during Final Design**

Drainage/Pond Siting

- Existing roadway section has closed drainage basins
- Proposed roadway section has a closed drainage system including linear retention ponds and joint use ponds
- Nine drainage basins along the new alignment
- Several alternative pond sites were made for each of the existing drainage basins

Cost Estimate – Recommended Alternatives

Item	Estimated Cost
Mainline Right of Way Acquisition (approx. 2.30 Acres)	\$350,000
Pond/DRA Right of Way Acquisition (approx. 16 Acres)	\$1,200,000
New Bridge (300 feet)	\$1,800,000
Design and Construction	\$14,400,000
Total	\$17,750,000

Coordination

- **Coordination with Kimley-Horn & Associates providing information and design for the new turnpike interchange**
- **Power pole easement and relocation coordination with Progress Energy continues**

Summary of Recommended Alternative

Disadvantages

- Design and construction costs
- Relocation of power poles

Advantages

- Meets traffic demand for anticipated growth and developments
- Provides bicycle and pedestrian facilities
- Minimal right of way acquisition required
- Provides a safer roadway for the traveling public

Questions?

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