

ALTERNATIVES PUBLIC MEETING

November 20, 2014



“I-4 BEYOND the ULTIMATE” PD&E REEVALUATION STUDY From west of US 27 to west of CR 532 Polk County FPID: 201210-2-22-01



"I-4 Beyond the Ultimate" PD&E Reevaluation Study

From west of US 27 to west of CR 532

FPID: 201210-2-22-01

Title VI Compliance

This meeting is being conducted without regard to race, color, national origin, age, sex, religion, disability or family status. Persons wishing to express their concerns relative to FDOT compliance with Title VI may do so by contacting:

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All inquiries or complaints will be handled according to FDOT procedure and in a prompt and courteous manner.



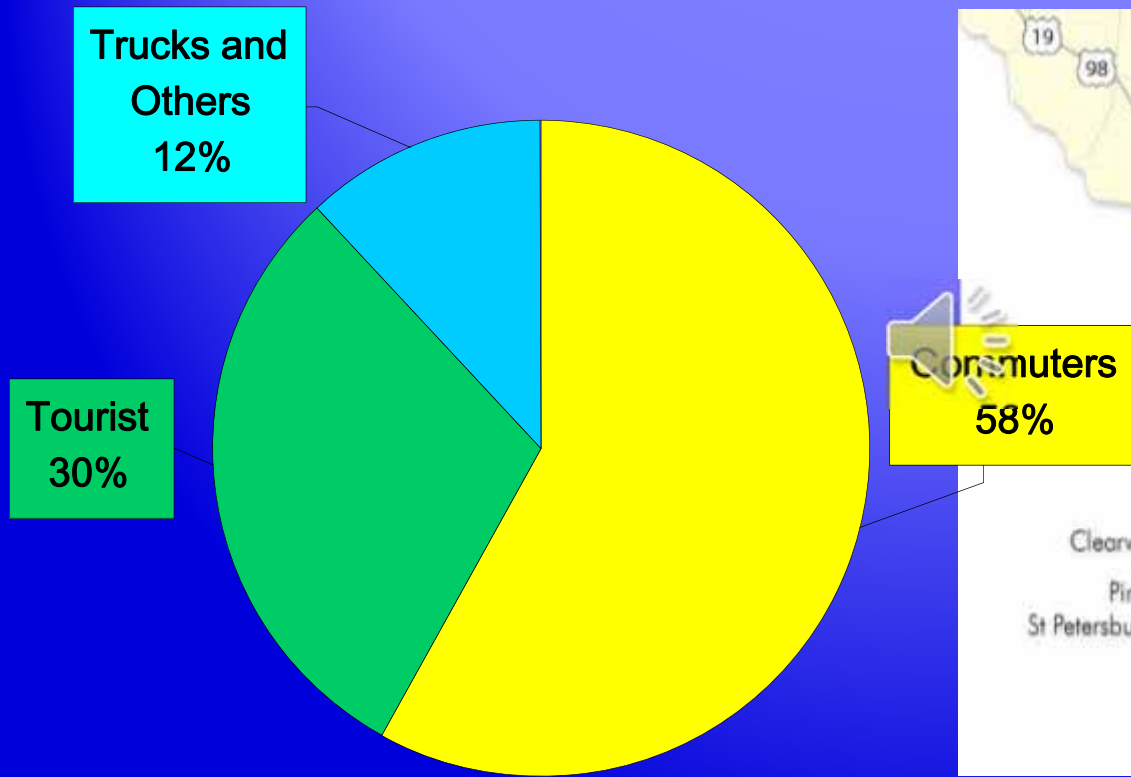
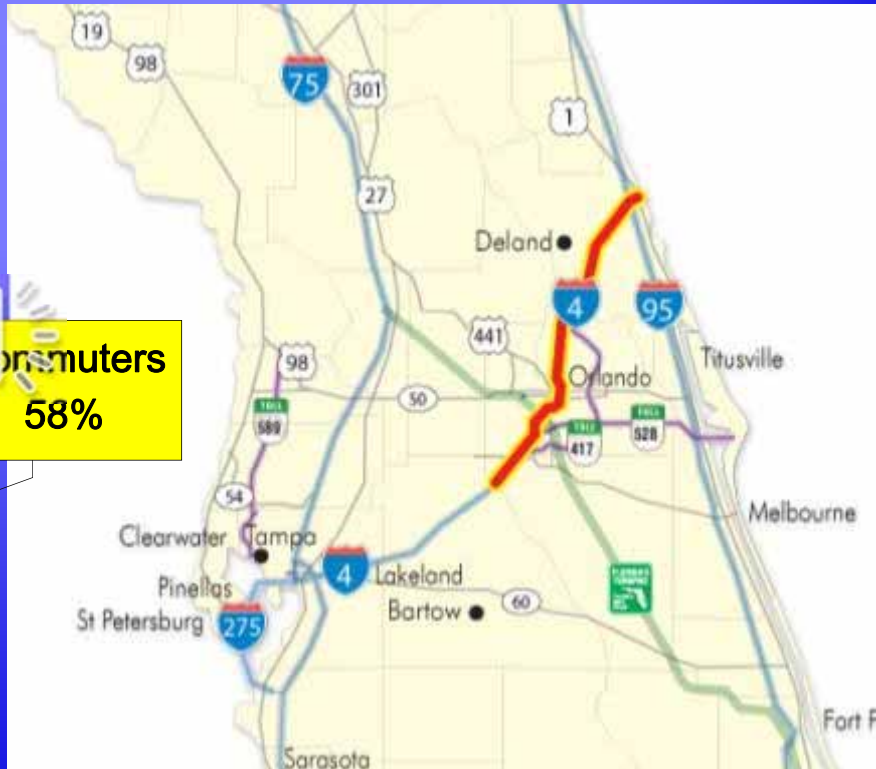


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Central Florida I-4 Facts



- 76 Miles from US 27 in Polk County to I-95 in Volusia County
- 1.5 Million Average Daily Trips



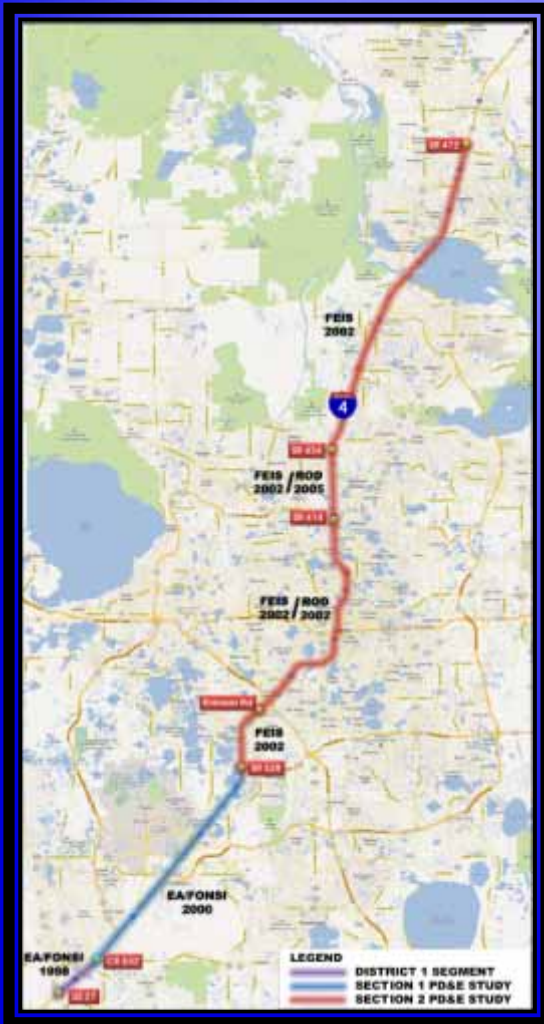


"I-4 Beyond the Ultimate" PD&E Reevaluation Study

From west of US 27 to west of CR 532

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Study Background



- Studies from US 27 to SR 472 previously completed
 - SR 435 (Kirkman Road) to SR 434
 - Received Federal Highway approval
 - I-4 Ultimate Section
- In Polk County
 - Memorial Blvd to CR 532 (FONSI)



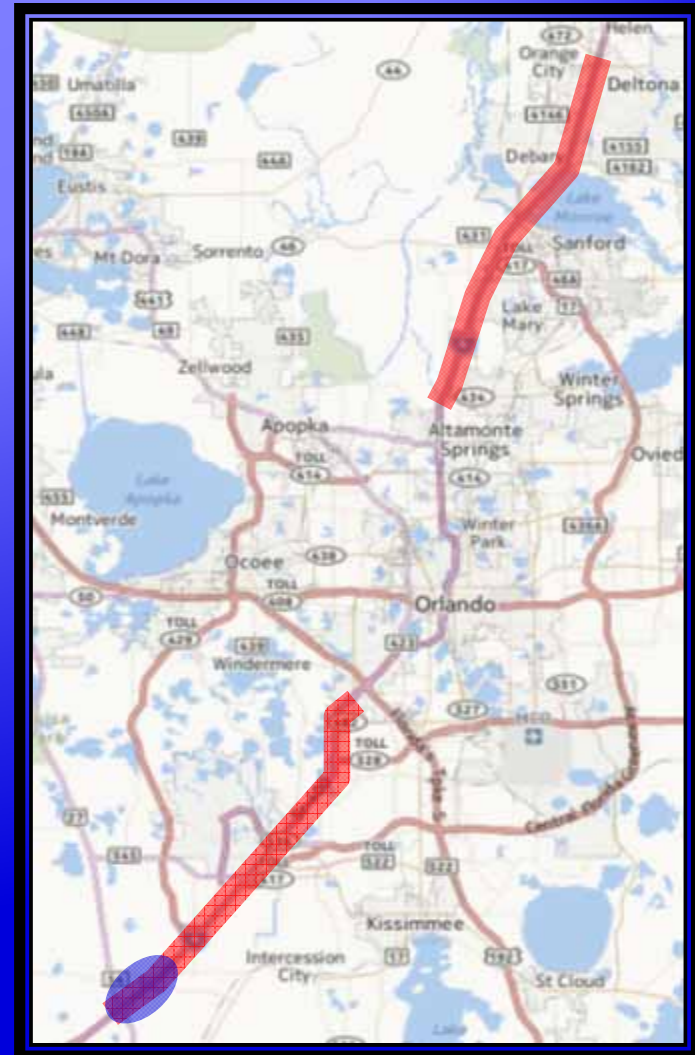
"I-4 Beyond the Ultimate" PD&E Reevaluation Study

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Study Background

- Segment 1
 - CR 532 (Polk/Osceola County Line) to SR 528 (Beachline Expressway)
- Segment 2
 - SR 528 (Beachline Expressway) to SR 435 (Kirkman Road)
- Segment 3
 - SR 434 to US 17-92
- Segment 4
 - US 17-92 to SR 472
- **Segment 5**
 - **West of US 27 to west of CR 532**





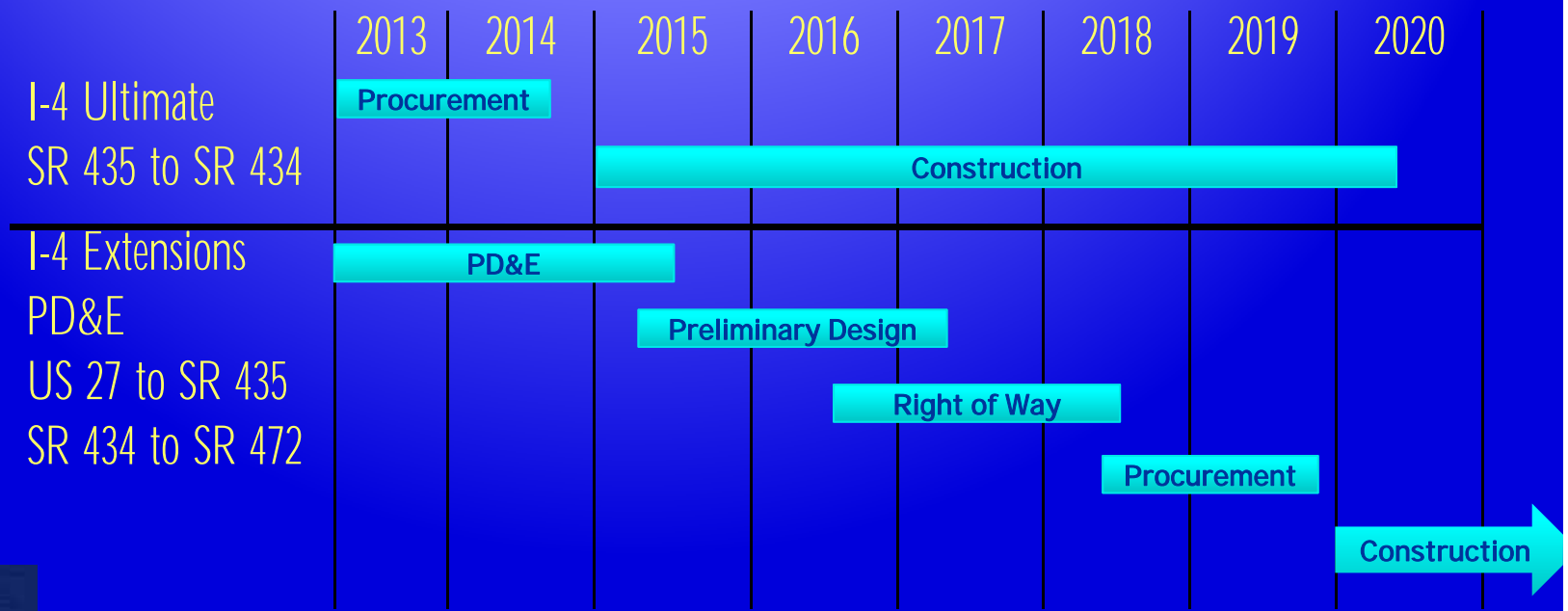
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Overall Schedule



Slide 6

SB3

2020

Stys-Palasz, Beata, 11/12/2014



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Purpose and Need

- Match the I-4 Ultimate section
 - Previous studies evaluated four HOV lanes
 - Environmental aspects need to be reevaluated
 - New pond locations
 - Noise Walls





"I-4 Beyond the Ultimate" PD&E Reevaluation Study

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Purpose and Need

- The PD&E Reevaluation will address
 - Express Lanes
 - Access Modifications
 - Environmental
 - Engineering
 - Public Involvement
 - R/W Evaluation





"I-4 Beyond the Ultimate" PD&E Reevaluation Study

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Environmental

- Physical Environment
 - Noise
 - Contamination
 - Cultural Resources
 - Natural Environment
 - Wetlands
 - Threatened and Endangered Species
- Social Issues





"I-4 Beyond the Ultimate" PD&E Reevaluation Study

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Engineering

- Traffic
- Geometry
- Structures
- Drainage
- Constructability



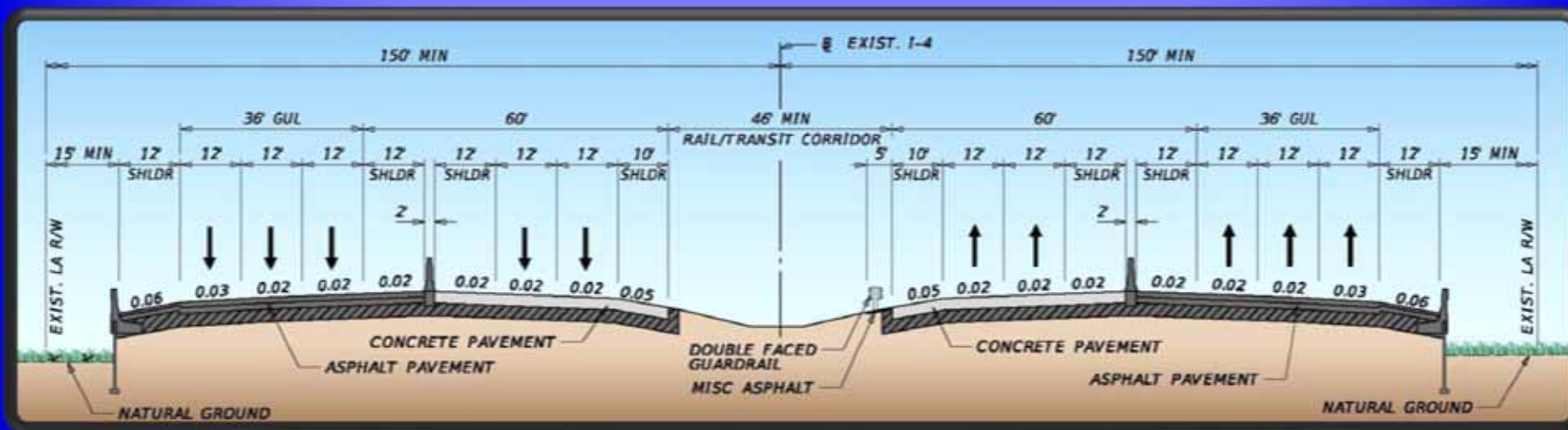


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Proposed Typical Section



Slide 11

SB5

12 feet inside shoulder GULs?

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Overview of Express Lanes

- Express Lanes are an innovative solution to manage traffic congestion and provide choices for travelers
- Variable toll pricing based on the level of congestion in the adjacent non-tolled general purpose lanes
 - Means the toll goes up or down depending on the traffic volume
 - The toll will be higher during peak periods when demand is greater and lower during non-peak periods when the demand is less
 - Congestion pricing helps maintain traffic flowing freely by monitoring the number of vehicles using the express lanes
- Provides more reliable travel options for motorists.





"I-4 Beyond the Ultimate" PD&E Reevaluation Study

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Development of Alternatives

- Practical design solutions
- Traffic operations
- Minimize right of way impacts
- Ponds
- Addresses environmental impacts
- Business rule variables for express lanes
 - Interchanges direct access
 - Slip ramps
 - Conceptual signing plan





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Development of Alternatives





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Preliminary Drainage Analysis

- Multiple Ponds per Drainage Basin
- Pond Location Evaluation Measures
 - Constructability
 - Maintainability
 - Environmental
 - Cultural
 - Contamination
 - Right-of-Way Costs
 - Utility
- No Preferred Sites Selected
- Early agency coordination avoids surprises





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Alternatives Evaluation

Summary of Impacts	Mainline	US 27 Interchange			
		Alt. 1	Alt. 2	Alt. 3	Alt. 4
Roadway R/W Area	0.00 acres	1.32 acres	1.41 acres	1.48 acres	5.61 acres
Pond R/W Area	10.04 acres	No Add'l ROW	No Add'l ROW	No Add'l ROW	No Add'l ROW
Wetland Impacts	7.60 acres	None	None	None	None
Bridges (Area)	0.0 sq ft	83,848 sq ft	83,848 sq ft	102,870 sq ft	109,360 sq ft
Construction Costs	\$73.9M	\$61.8M	\$62.7M	\$67.5M	\$72.1M





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Study Schedule

	2014			2015			
Public Involvement Activities	Spring	Summer	Fall	Winter	Spring	Summer	Fall
Public Involvement Plan	●						
Website	■						
SECTION 5 (West of US 27 to west of CR 532)							
Alternatives Public Meeting			★				
Public Hearing					★		
LDCA							○





"I-4 Beyond the Ultimate" PD&E Reevaluation Study

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Next Steps

- Further refine and evaluate alternatives based on input received
- Public Hearing
- Complete environmental and engineering documents
- Location design concept approval (LDCA) from Federal Highway





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THANK YOU FOR ATTENDING!

For additional information, please contact:

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