

# **Tymber Creek Road**

*from State Road 40 to Airport Road*

**Four-Laning Alignment Alternatives**

## **Public Meeting**

May 23, 2006



**Tymber Creek Road, Volusia County, Florida**

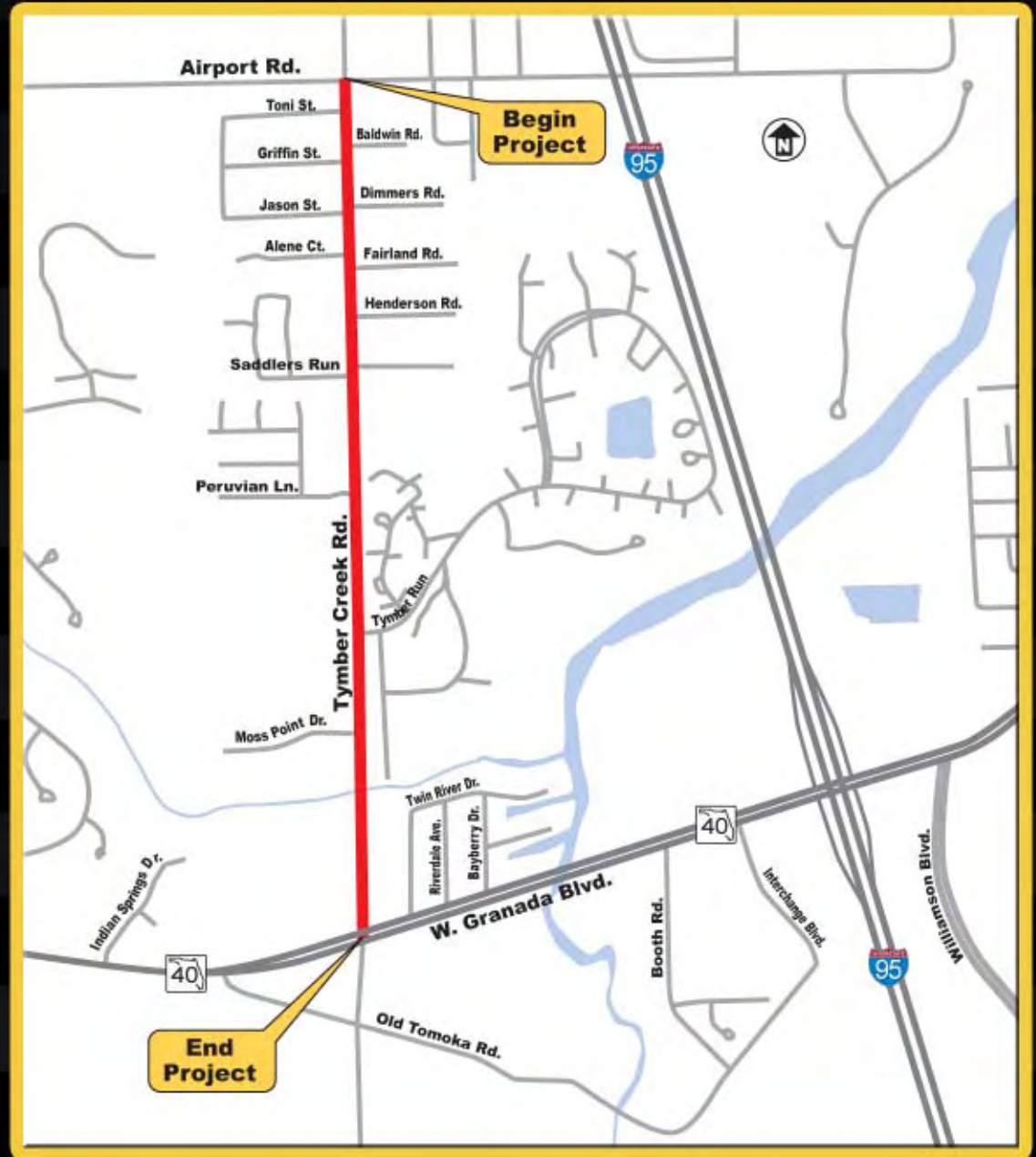
# Agenda

- Introduction
- Study Process
- Key Study Issues
- Improvement Alternatives
- Public Involvement
- Schedule



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# Location Map



# Study Process

- Data Collection
- Preliminary Engineering
- Public Involvement
- Conceptual Design
- Environmental Analysis
- Alternative Analysis
- County Approval



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# Data Collection

- Traffic Counts and Forecasts
- Crash Data
- Transportation Plans
- Land Use Plans
- Cultural and Natural Features

# Key Study Issues

- Corridor Analysis
- Traffic Analysis
- Environmental Issues
  - Wildlife
  - Wetlands
  - Air / Noise
  - Archaeological / Historical
- Drainage
  - Floodplain
  - Stormwater Management Ponds

# Improvement Alternatives & Development

- Typical Sections
- Alternative Alignment Analysis
- Access Management



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# Traffic Data

- Year 2006 (Existing)
  - 15,000 AADT
- Year 2009 (Opening Year)
  - 16,700 AADT
- Year 2029 (Design Year)
  - 23,600 AADT



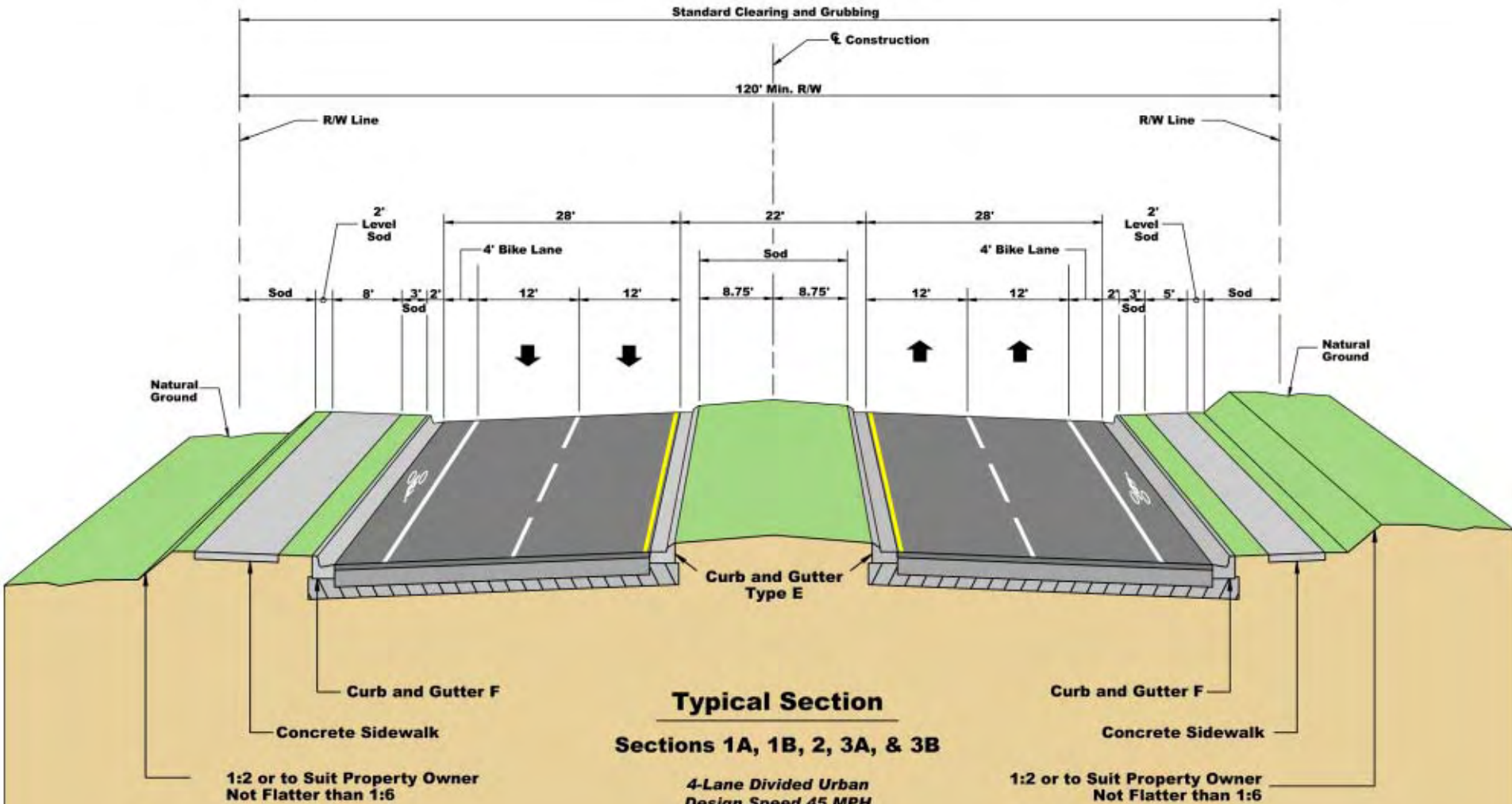
# Typical Sections

- Number of Lanes
- Design Speed
- Sidewalks / Bike Paths
- Right-of-Way
  - Existing 2-Lane Rural – Varies 50'-120'
  - Proposed 4-Lane Urban – 120' R/W

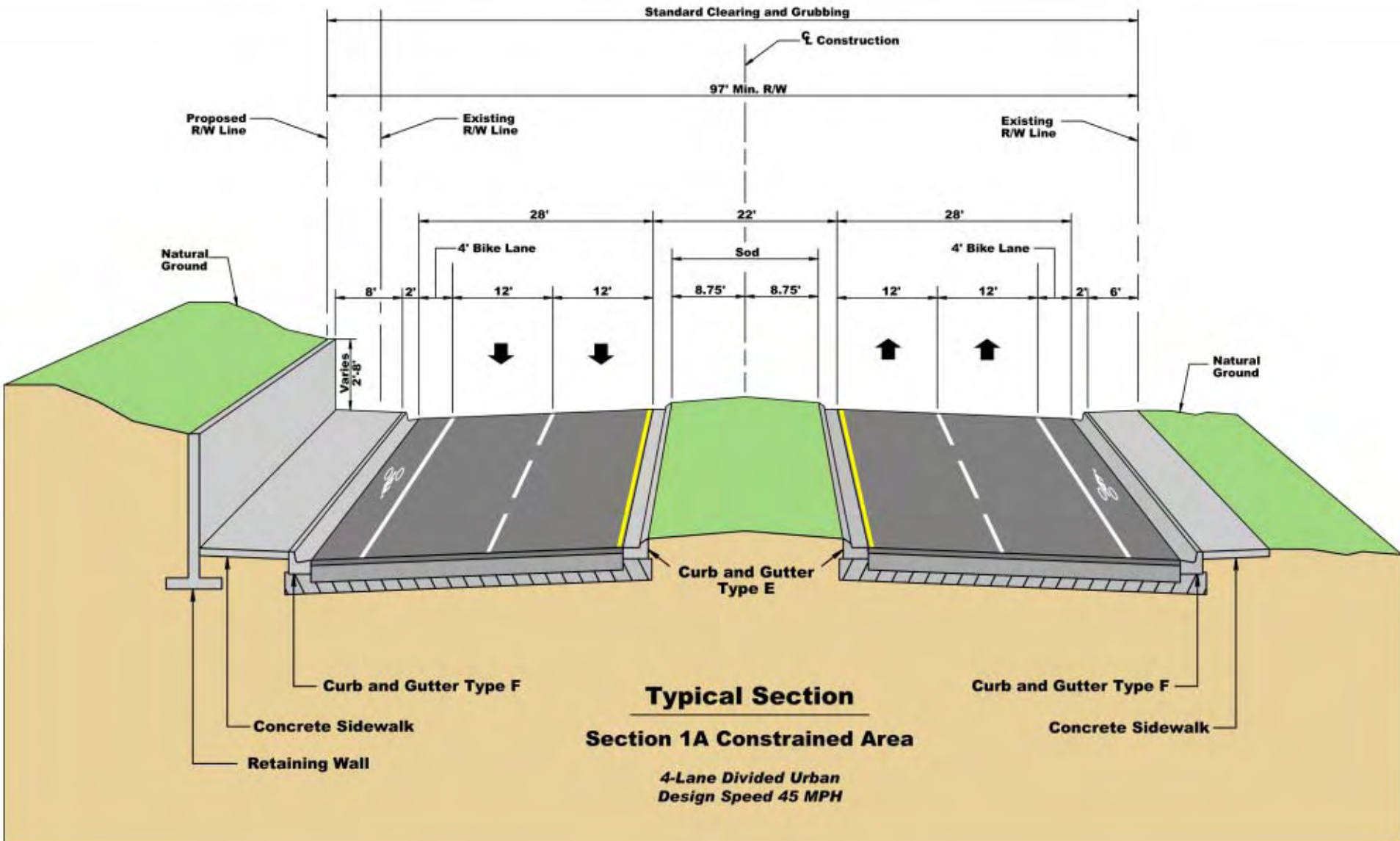


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# Typical Section



# Constrained Typical Section



# Alternative Alignment Analysis

- Utilize Existing Corridor
- Left, Right and Centered Alignments
- Composite Alignment
- Right-of-Way Impacts
- Matrix Analysis

# Matrix Analysis

Evaluation Factor	Segment 1A	Segment 1B	Segment 2	Segment 3A	Segment 3B
Length (Mi.)	0.6	0.6	0.4	0.7	0.7
Wetland Impacts (AC)	1.4	1.5	0.1	0.1	0.4
Surface Water Impacts (AC)	TBD	TBD	TBD	TBD	TBD
Flood Plain Impacts (AC)	TBD	TBD	TBD	TBD	TBD
Hazardous Waste Sites	TBD	TBD	TBD	TBD	TBD
Number of Parcels					
Total	26	26	25	33	33
Impacted	13	16	5	16	19
Number of Relocations					
Businesses	0	0	0	0	0
Residences	0	6	0	12	9
Churches	0	0	0	0	0
Intersections with Signals					
Existing Signals	1	1	1	1	1
Proposed Signals	1	1	1	1	1
Church Property Impacted (AC)					
Acreage	0.5	0.5	0	0	0
Right-of-Way Acquisition					
Roadway (AC)	2.8	3.3	0.4	3.4	3.2
Retention Sites (AC)	1.8	1.8	1.1	0.7	0.7
Right-of-Way Costs (\$ Millions)					
Roadway	0.8	1.9	0.2	3.0	2.5
Retention Sites	0.3	0.3	0.2	0.1	0.1
<b>Total Right-of-Way Costs (\$ Millions)</b>	<b>1.1</b>	<b>2.3</b>	<b>0.4</b>	<b>3.1</b>	<b>2.6</b>
Construction Costs					
Roadway	2.3	2.2	1.6	2.6	2.6
Bridges	0.7	0.7	0.0	0.0	0.0
Retention Sites	0.1	0.1	0.0	0.0	0.0
<b>Total Construction Costs (\$ Millions)</b>	<b>3.0</b>	<b>3.0</b>	<b>1.6</b>	<b>2.7</b>	<b>2.7</b>
<b>Total Construction, Engineering &amp; R/W (\$ Mil)</b>	<b>4.1</b>	<b>5.2</b>	<b>2.0</b>	<b>5.8</b>	<b>5.3</b>

# Access Management

- Classification
- Median Openings
- Driveways

# Public Involvement Approach



# Public Involvement

- Coordination & Presentations
  - Neighborhood Groups
  - Public Agencies
  - Citizens Groups
- Meeting Announcements
  - Newsletters
  - Advertisements / Press Releases



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# Public Involvement

- Public Information Meetings
  - Introductory / Kickoff Meeting
  - Preferred Alternatives Meeting
  - Volusia County Council Meeting



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# Project Schedule

	2005			2006												2007		
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	
Preliminary Engineering Study	[Redacted]																	
Public Involvement								Public Meeting		Public Meeting		Public Meeting						
Final Design																		
Permitting																		

Right-of-Way Acquisition - 2006 to 2007  
 Begin Construction - 2008