

West Dover Connector (Saulsbury Road Extension) Working Group

Meeting No. 8

*W. Reily Brown Elementary School
November 2, 2005*



Agenda

Introduce John Gaines, DeIDOT Project Manager

Rob McCleary

Agenda and Tab Review

John Gaines

DeIDOT Presents Retained Alternatives

Rob McCleary/
John Gaines

- No-Build
- Alternative 4
- Alternative 5C
- Alternative 7C
- Alternative 7D

Detailed Study Phase

Mike Girman/
Project Team

- Traffic Analysis
- Engineering Analysis
- Environmental Analysis

Next Steps

Project Team

- Public Workshop
- Report Detailed Study Results
- Identify Preferred Alternative

Tab Review

- Tab 1 – Meeting Slides
- Tab 2 – Project Team Recommendations
- Tab 3 – Working Group Meeting 7 Minutes

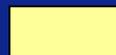
DeIDOT Retained Alternatives



DeIDOT Retained Alternatives

Alternative	Not Eliminated by Working Group	Recommended by Project Team	Retained by DeIDOT
1	REQUIRED ALTERNATIVE		
2A - D			
3		X	
4	X	X	X
5A	X		
5B	X		
5C	X	X	X
7A - B			
7C		X	X
7D		X	X
11	X		
12A		X	
12B	X	X	
14A			
14B	X		

X = Merits further study



= DeIDOT Retained Alternative

Detailed Study Phase

Traffic Analysis

For each Retained Alternative:

- Create an interface between DeIDOT's travel demand model and the study area performance evaluation model
- Convert roadway segment daily traffic volumes into peak hour intersection turning movement traffic volumes
- Calculate trips that will be generated by the Eden Hill Farm Development and proposed Kesselring Farm Development, distribute and assign these trips to the study area roadway network
- Conduct detailed intersection performance analysis for all 25 key intersections under the evening peak hour condition (worst case performance evaluation scenario)
- Determine the performance of study area intersections under the future condition, suggest required intersection improvements where performance degrades to an unacceptable level of service

Develop refined Scoring and Data Sheets

Detailed Study Phase

Engineering Analysis

For each Retained Alternative:

- Refine the horizontal alignment
- Refine the vertical profiles over watercourses and the railroad
- Establish a typical section for roadway
- Determine conceptual intersection layouts
- Confirm limits and heights of bridges and retaining walls
- Prepare renderings of certain intersections and bridge structures for public understanding
- Update right-of-way impacts, narrowing the typical bandwidths used in the initial screening
- Develop preliminary cost estimates, including:
 - Roadway and structure costs

Detailed Study Phase

Environmental Analysis

For each Retained Alternative:

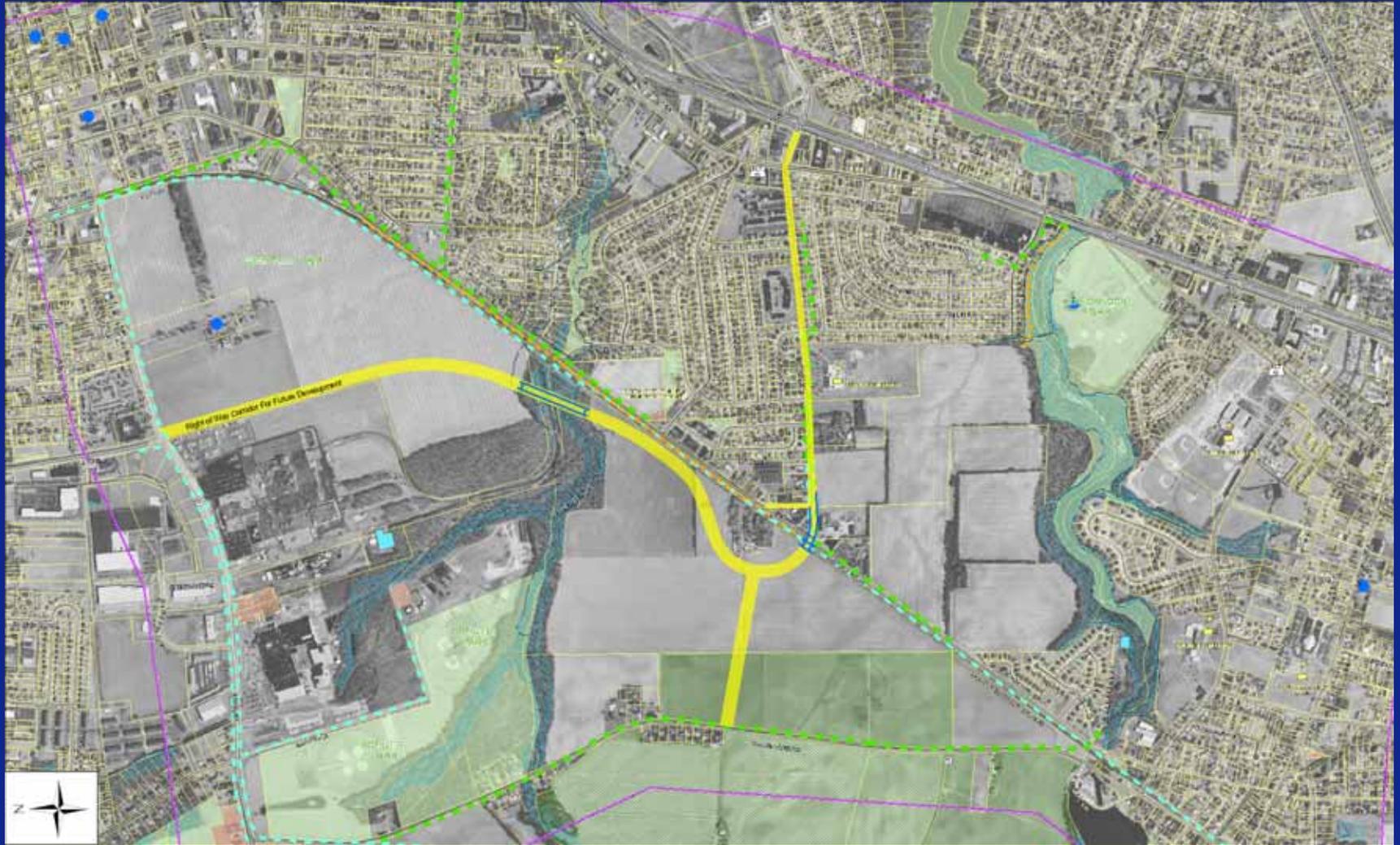
- Quantify impacts on streams, wetlands, floodplains, preserved agricultural land, and historic and archaeological resources
- Quantify right-of-way impacts, including partial impacts and displacements

Develop refined Scoring and Data Sheets

Next Steps

- **Public Workshop**
- **Report Detailed Study Results**
- **Working Group Involvement**
- **Identify Preferred Alternative**

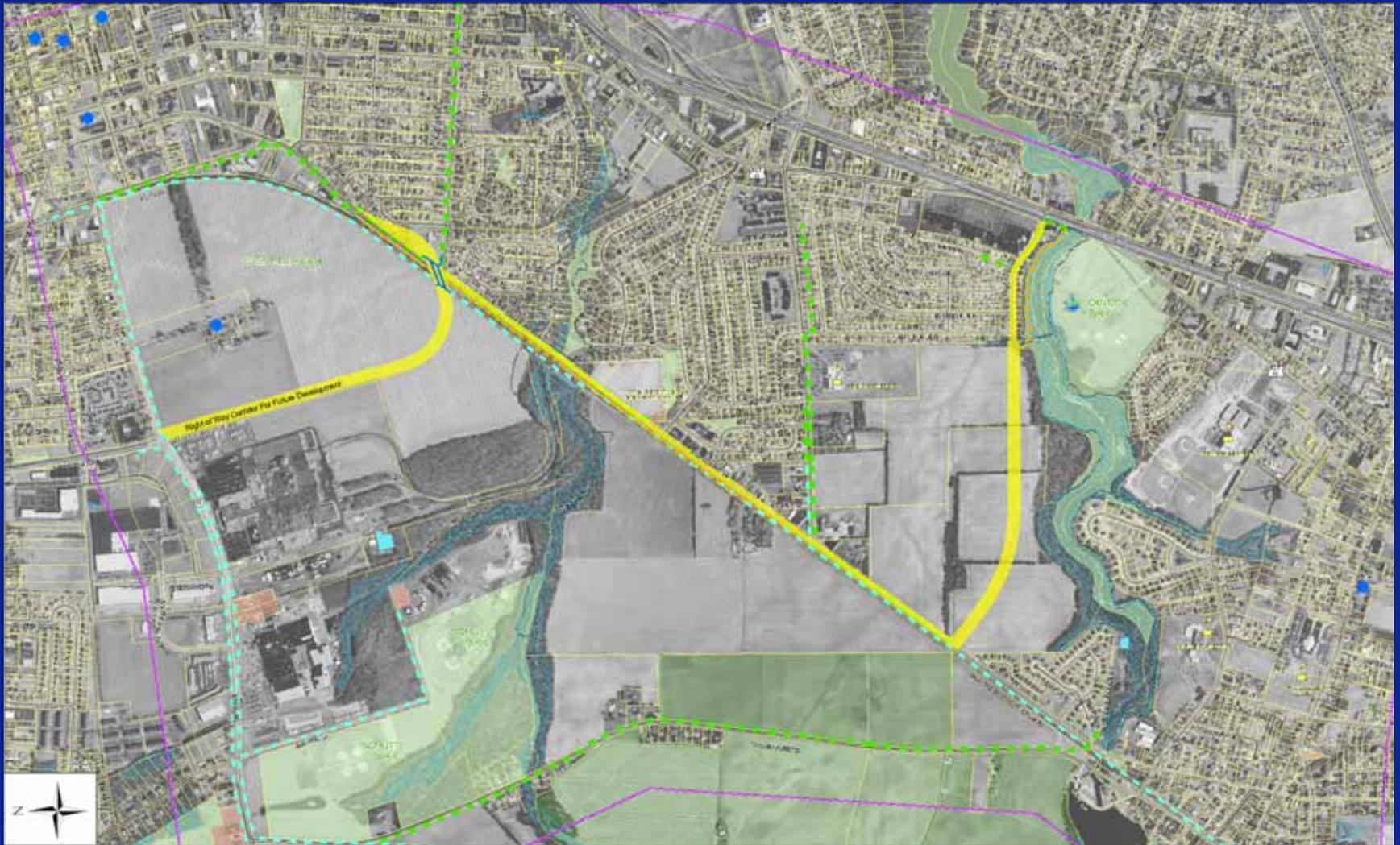
DeIDOT Retained Alternative 4



DeIDOT Retained Alternative 5C



DeIDOT Retained Alternative 7C



DeIDOT Retained Alternative 7D

