

# *LAK-44 Crile Road Connector*

## *Concord Township, Lake County Ohio*



# Stakeholder Workshop

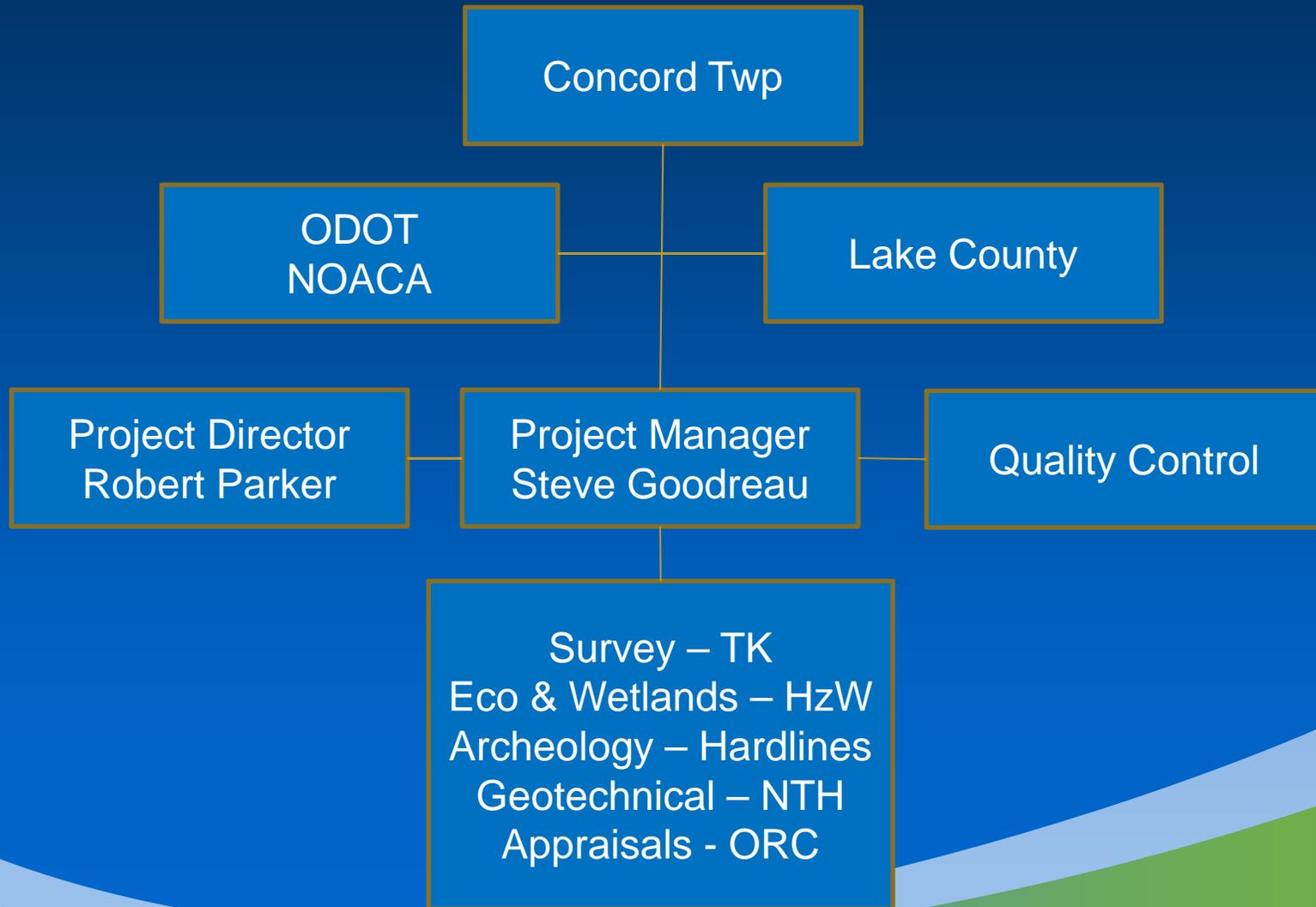
December 13, 2011

WilburSmith  
ASSOCIATES

# *Agenda*

- Introduction
- Development Process
- Purpose & need
- Environmental
- Feasible Alternatives
- Open House Discussion

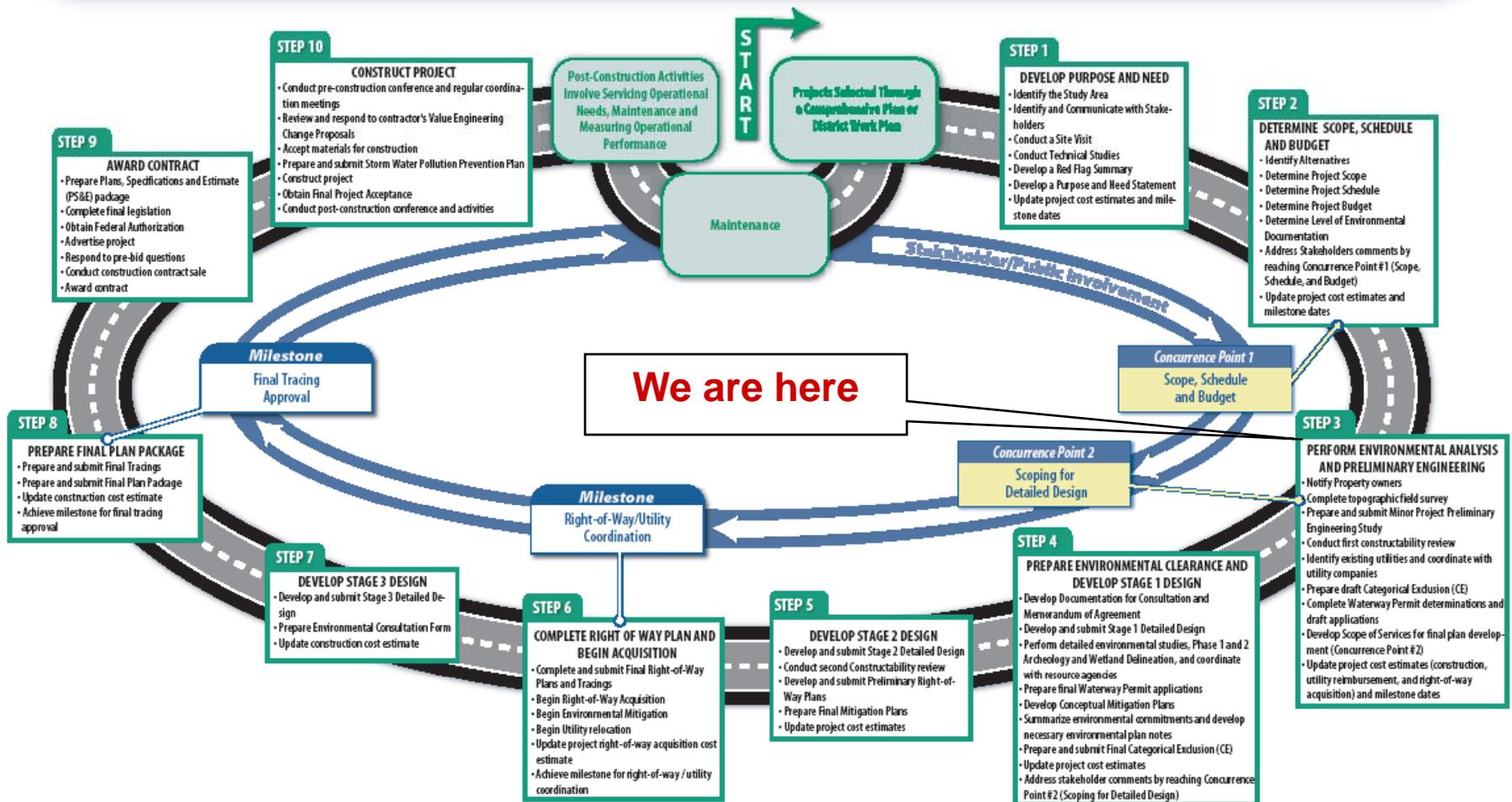
# Project Team



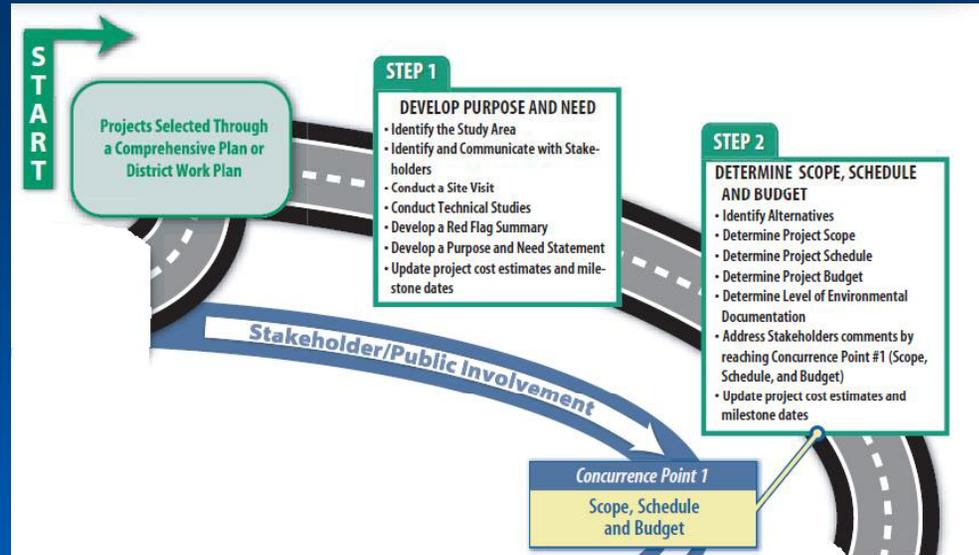
# Development Process



## Ohio Department of Transportation Project Development Process (PDP) for Minor Projects



# Development Process



## Work Previously Completed:

- Comprehensive plan
- Auburn-Crile Business Corridor Study
- SR 44 Corridor Study
- SR 44 Crile Road Alignments Study
- Concord Township Vision

# Development Process

We are here

## Preliminary Engineering

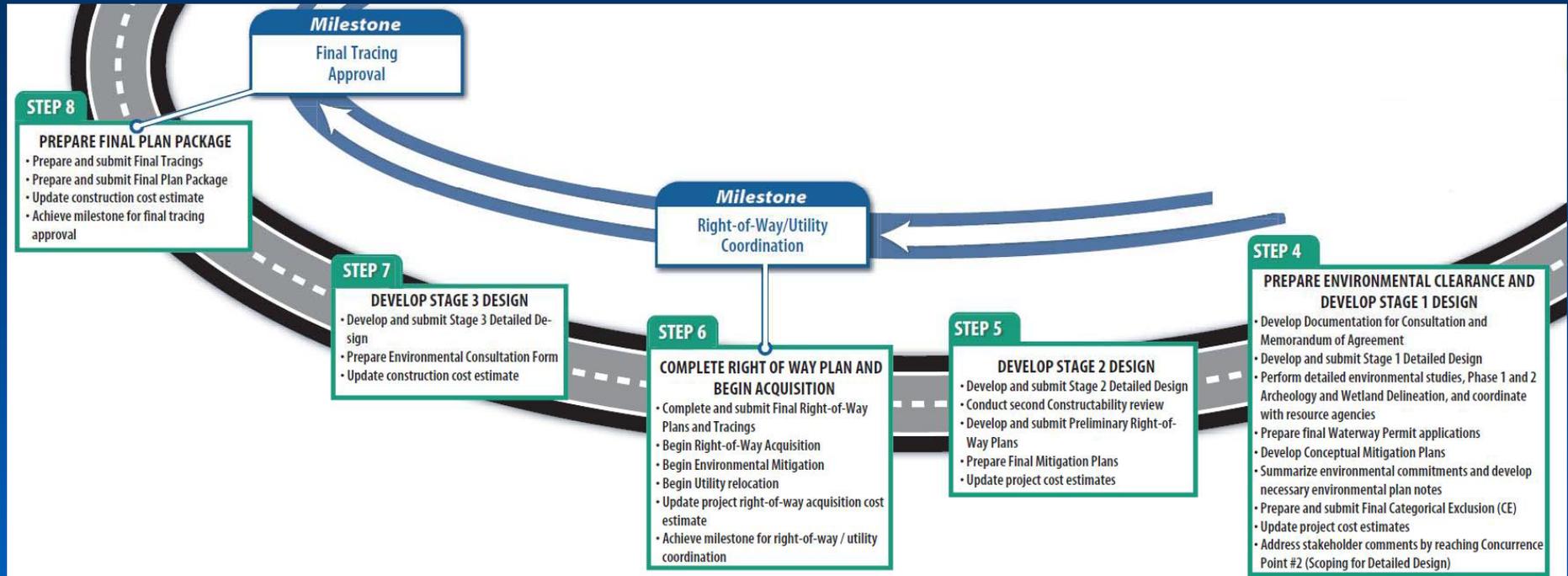
- Alternative Development
- Stakeholder Input
- Environmental Evaluation
- Alternative Evaluation
- Identify Preferred Alt.

### STEP 3

#### PERFORM ENVIRONMENTAL ANALYSIS AND PRELIMINARY ENGINEERING

- Notify Property owners
- Complete topographic field survey
- Prepare and submit Minor Project Preliminary Engineering Study
- Conduct first constructability review
- Identify existing utilities and coordinate with utility companies
- Prepare draft Categorical Exclusion (CE)
- Complete Waterway Permit determinations and draft applications
- Develop Scope of Services for final plan development (Concurrence Point #2)
- Update project cost estimates (construction, utility reimbursement, and right-of-way acquisition) and milestone dates

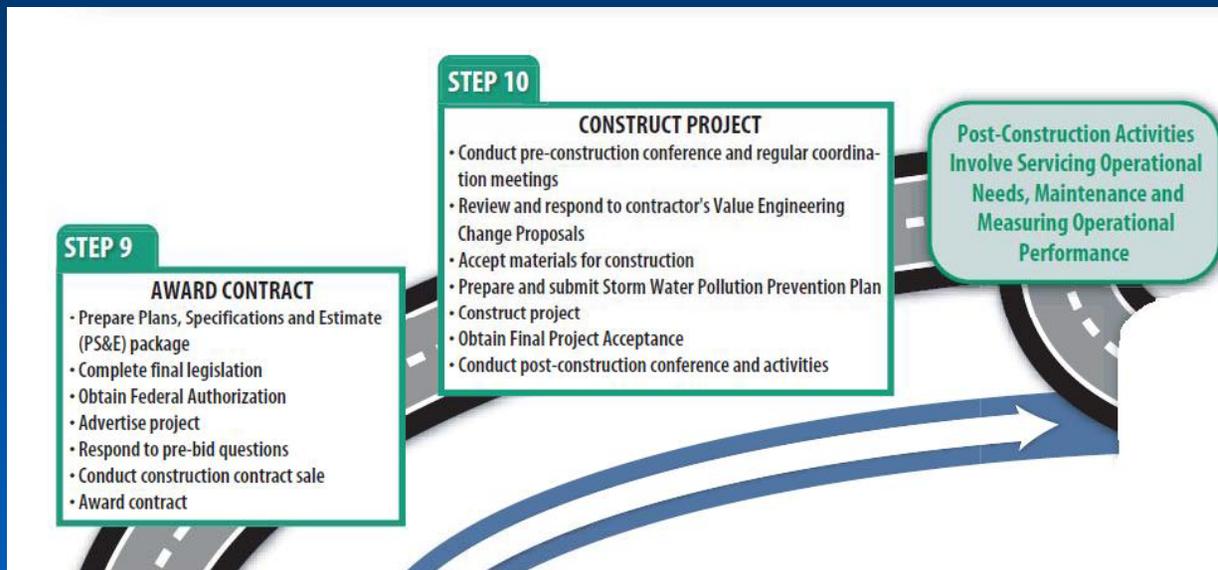
# Development Process



## Final Design

- Contract plans and specification
- Right-of-way plans

# Development Process



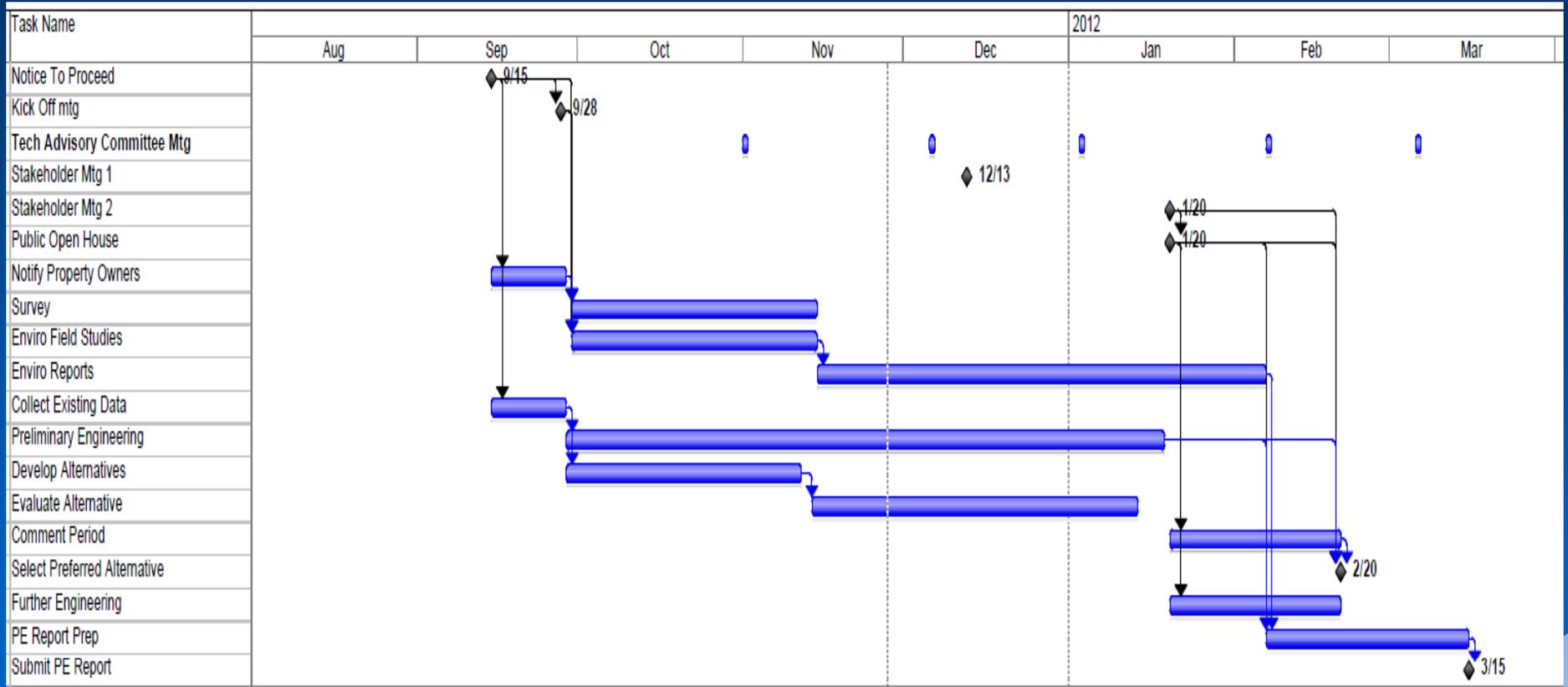
## Construction

- Bid and award
- Construction

# Overall Schedule



# Preliminary Engineering



# *Purpose*

- Reduce congestion
- Improve traffic flow
- Improve safety
- Encourage development



# *Potential Measures of Effectiveness*

- Mobility/Congestion
- Facility Deficiencies
- Safety
- System Linkage
- Modal Inter-relationship
- Environmental
- Access
- Emergency Services
- Business/Community  
Impacts
- Cost
- Other ???

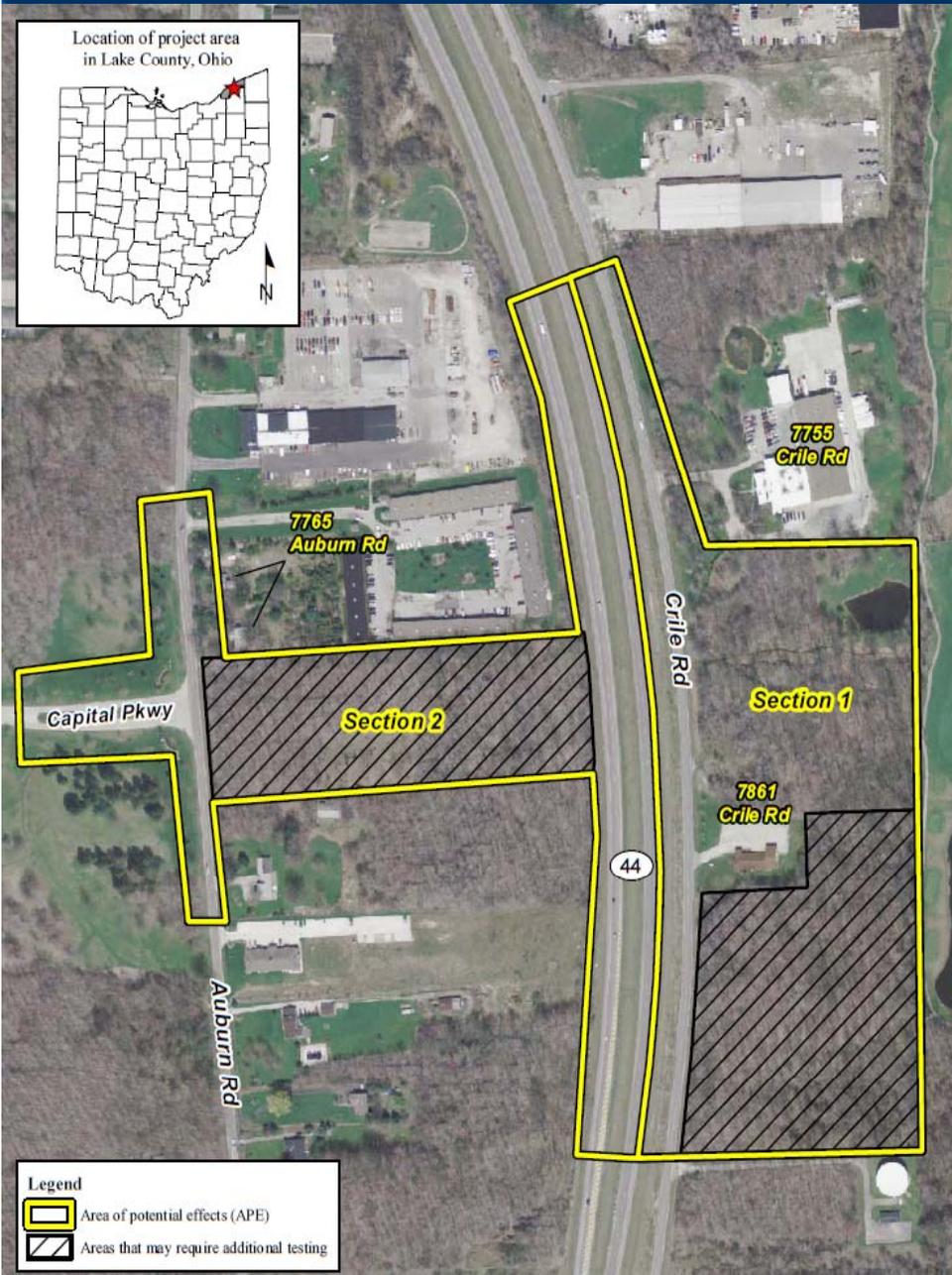
# Sample Alternative Matrix

Alternatives	Cost	ROW Impact	Environmental Impact	Business Impact	Community Impact	Accessibility	Safety	Emergency Services			
Auburn/Crile Intersection Alt 1											
Auburn/Crile Intersection Alt 2											
By-pass Alternate 1											
By-pass Alternate 1-A											
Jughandle With Bridge Alt 2											
Jughandle Extended Alt 2-A											
Jughandle without Bridge Alt 2-B											
Roundabout Alt 3											
Roundabout Tight Alignment Alt 3-A											
Roundabout Wide Alignment Alt 3-B											
Roundabout Double Circle Alt 3-C											

Legend:

	Favorable
	Neutral
	Poor

# Environmental Info



## Cultural Resources:

- 2 potential historic homes
  - ✓ Determine significance
  - ✓ Evaluate impacts
- Undisturbed areas
  - ✓ Potential for artifacts
  - ✓ Potential for settlements

# Environmental Info



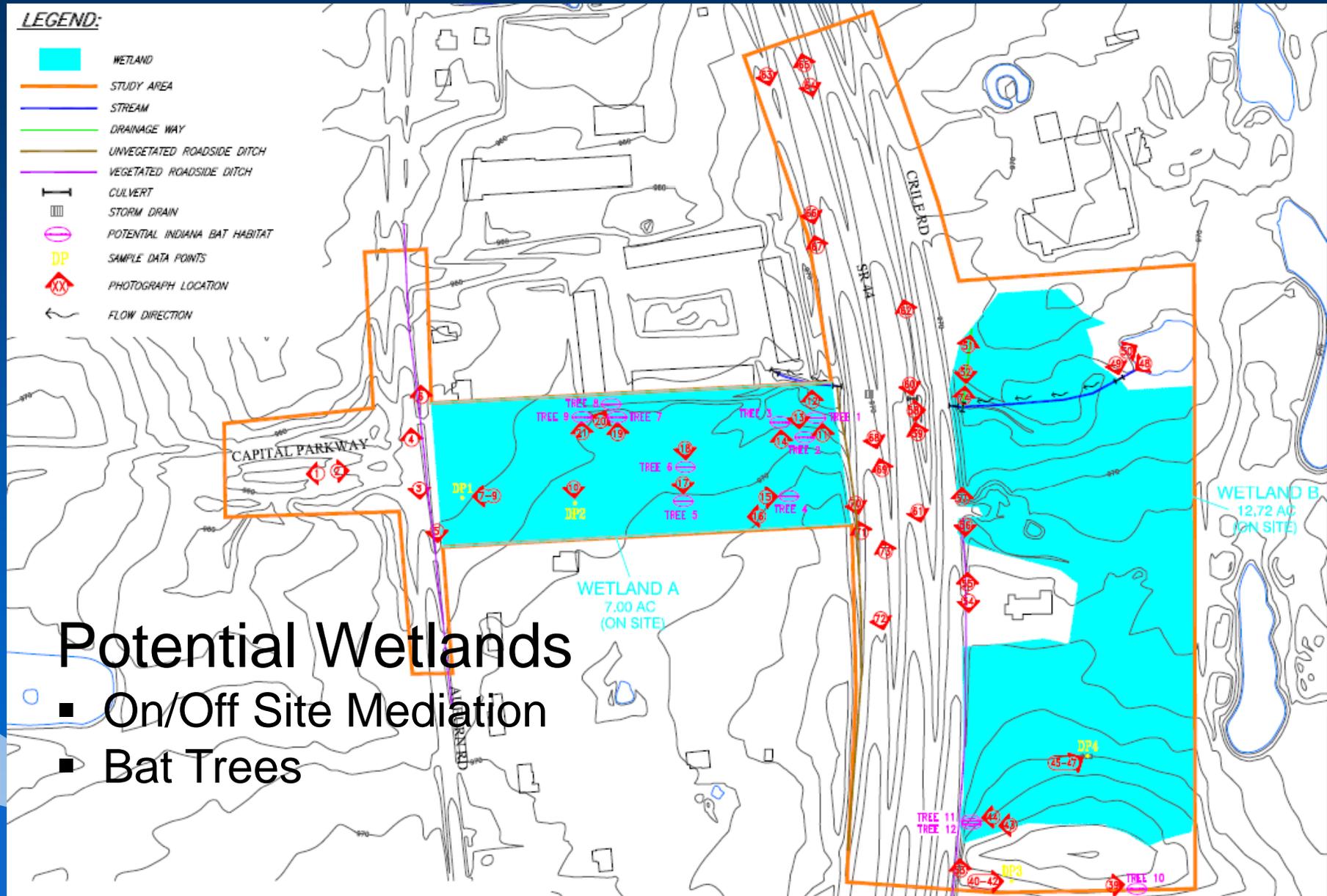
— PROJECT AREA BOUNDARY

WELL SYMBOLS		
★ UNKNOWN STATUS	☉ GAS AND OIL SHOW	☉ PLUGGED GAS
☉ BRINE FOR DUST CONTROL	☉ INJECTION	☉ PLUGGED GAS WITH OIL SHOW
☉ COALBED METHANE	☉ LOST HOLE	☉ PLUGGED INJECTION
☉ DRY HOLE	☉ OBSERVATION	☉ PLUGGED OIL
☉ DRY HOLE WITH GAS SHOW	☉ OIL AND GAS CONVERTED TO WATER	☉ PLUGGED OIL AND GAS
☉ DRY HOLE WITH OIL AND GAS SHOW	● OIL	☉ PLUGGED OIL WITH GAS SHOW
☉ DRY HOLE WITH OIL SHOW	☉ OIL AND GAS	☉ RADIOACTIVE TOOL LOST IN HOLE
☉ EXPIRED PERMIT LOCATION	☉ OIL WITH GAS SHOW	☉ SOLUTION MINING
☉ GAS	☉ OIL SHOW	☉ GAS STORAGE
☉ GAS WITH OIL SHOW	○ PERMITTED LOCATION	☉ STRATIGRAPHY TEST
☉ GAS SHOW	☉ PLUGGED BRINE FOR DUST CONTROL	☉ WATER SUPPLY

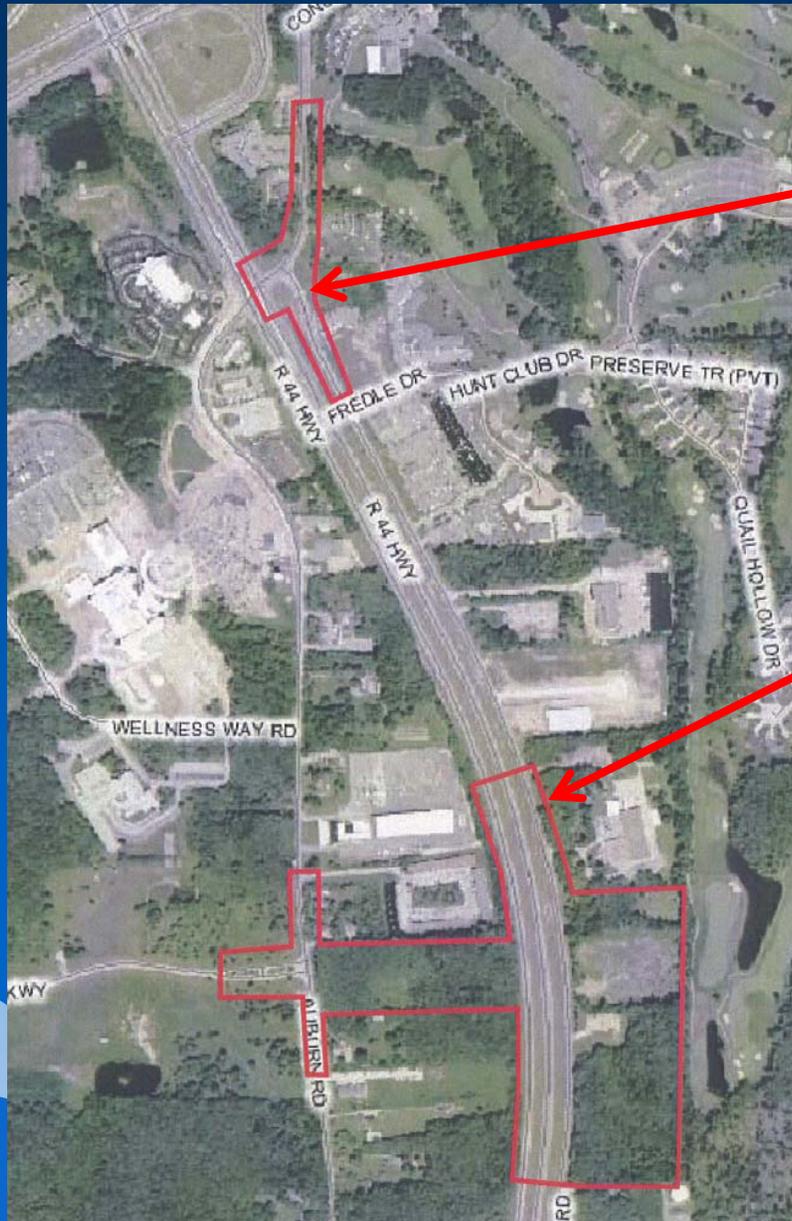
## Hazardous Materials:

- No impacts identified
- No further investigation anticipated

# Environmental Info



# Alternatives



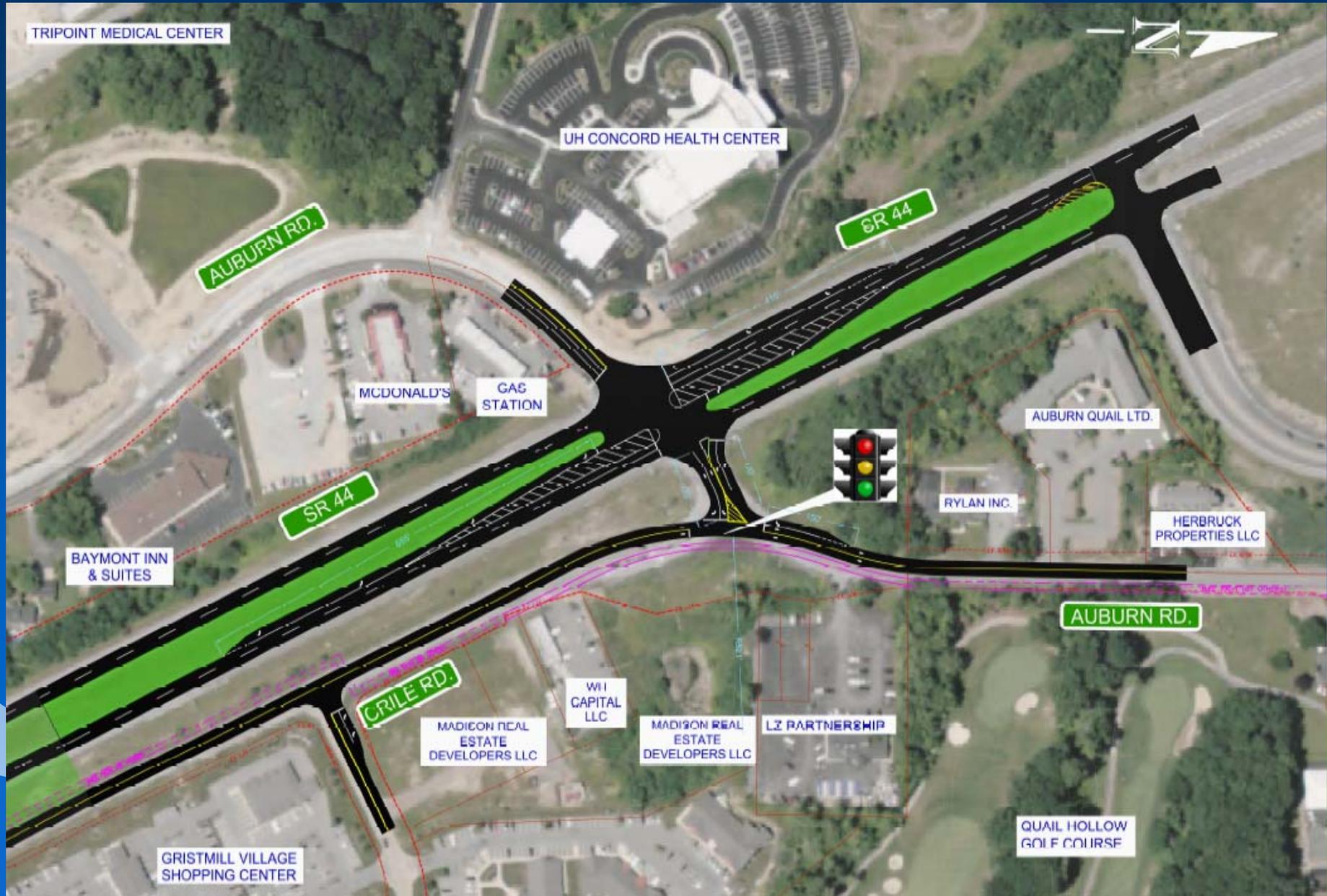
## Auburn/Crile Intersection

- A & B

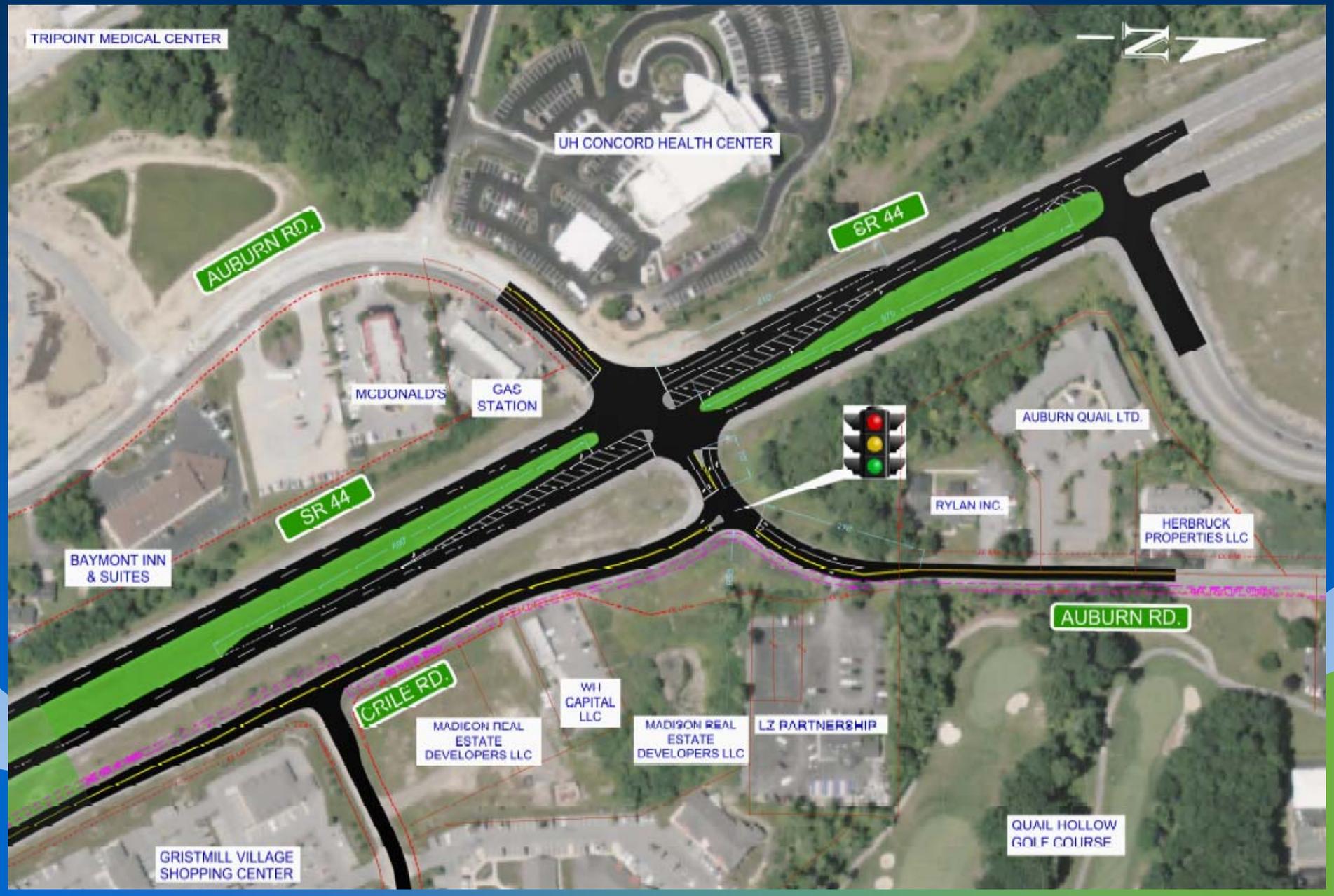
## Auburn/Crile Connector Road

- Alt 1 - By Pass Alternative
- Alt 2 - Jug handle Alternative
- Alt 3 - Round About Alternative

# Alt A – Auburn/Crile intersection

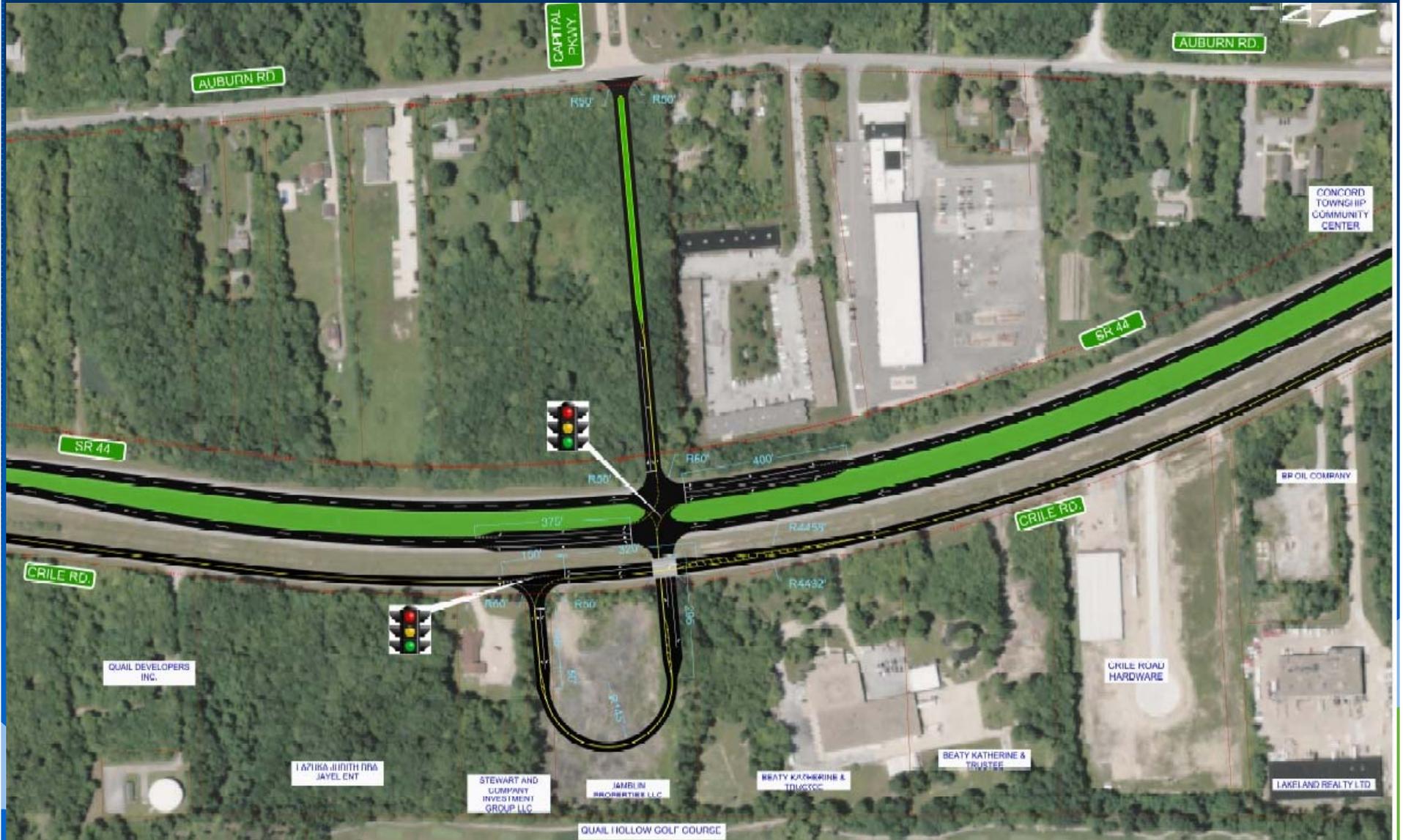


# Alt B – Auburn/Crile intersection

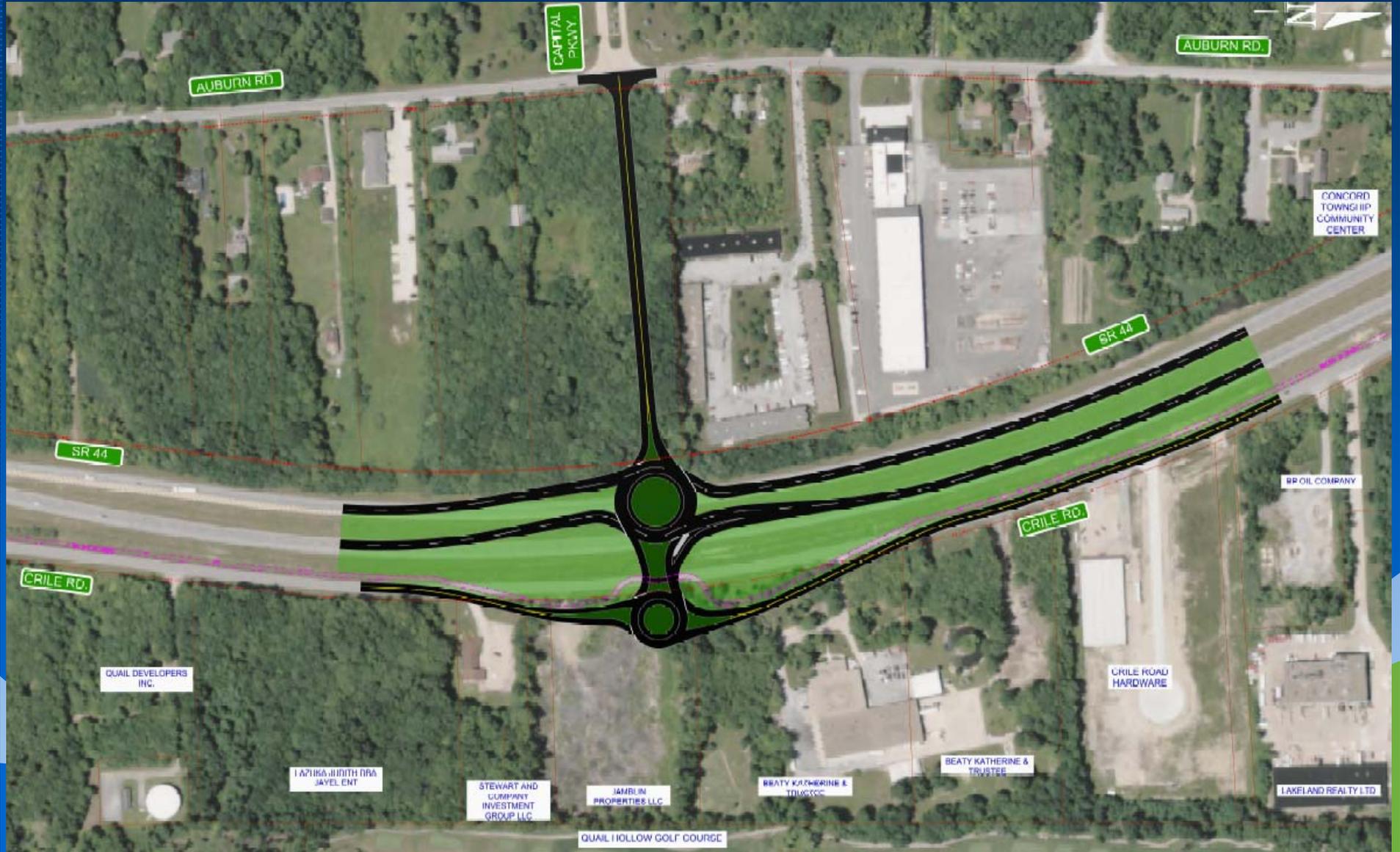




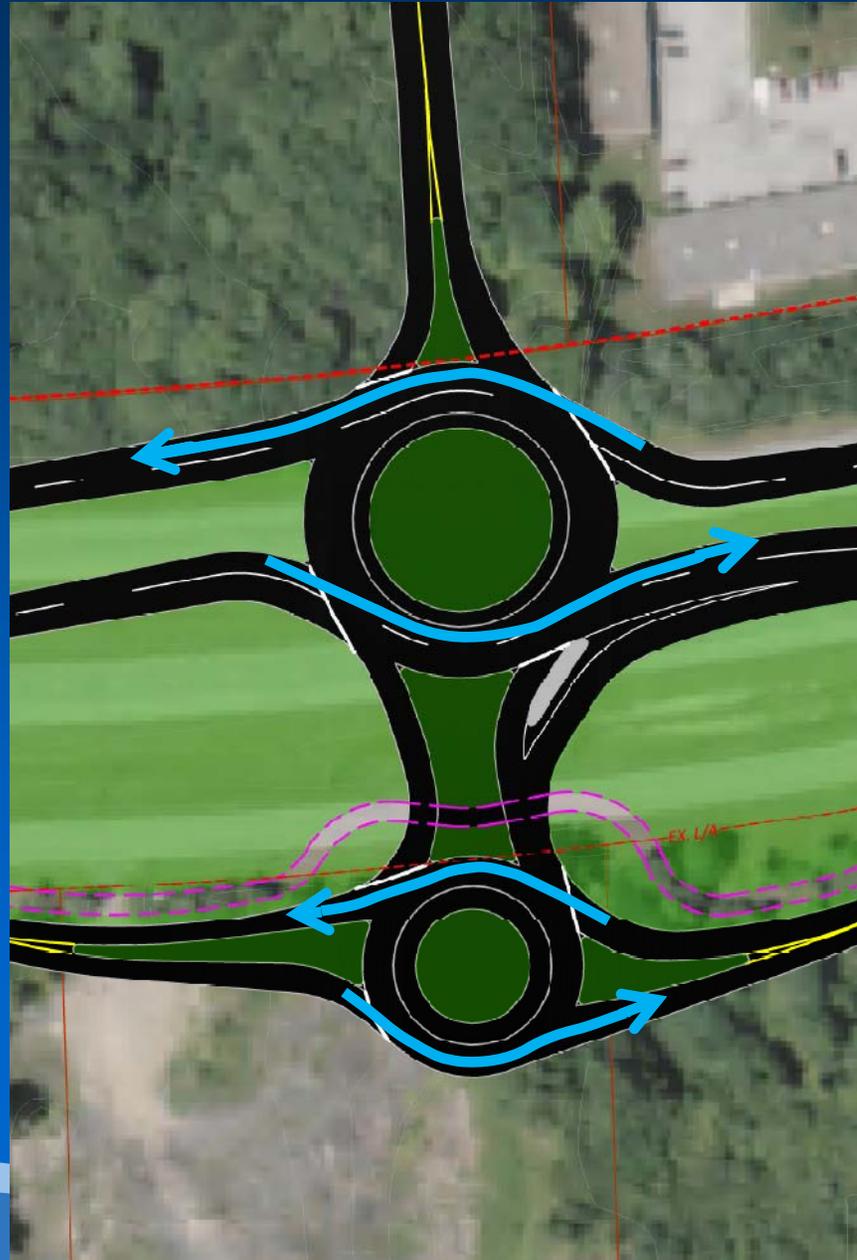
# Alt 2 – Jug Handle Alternative



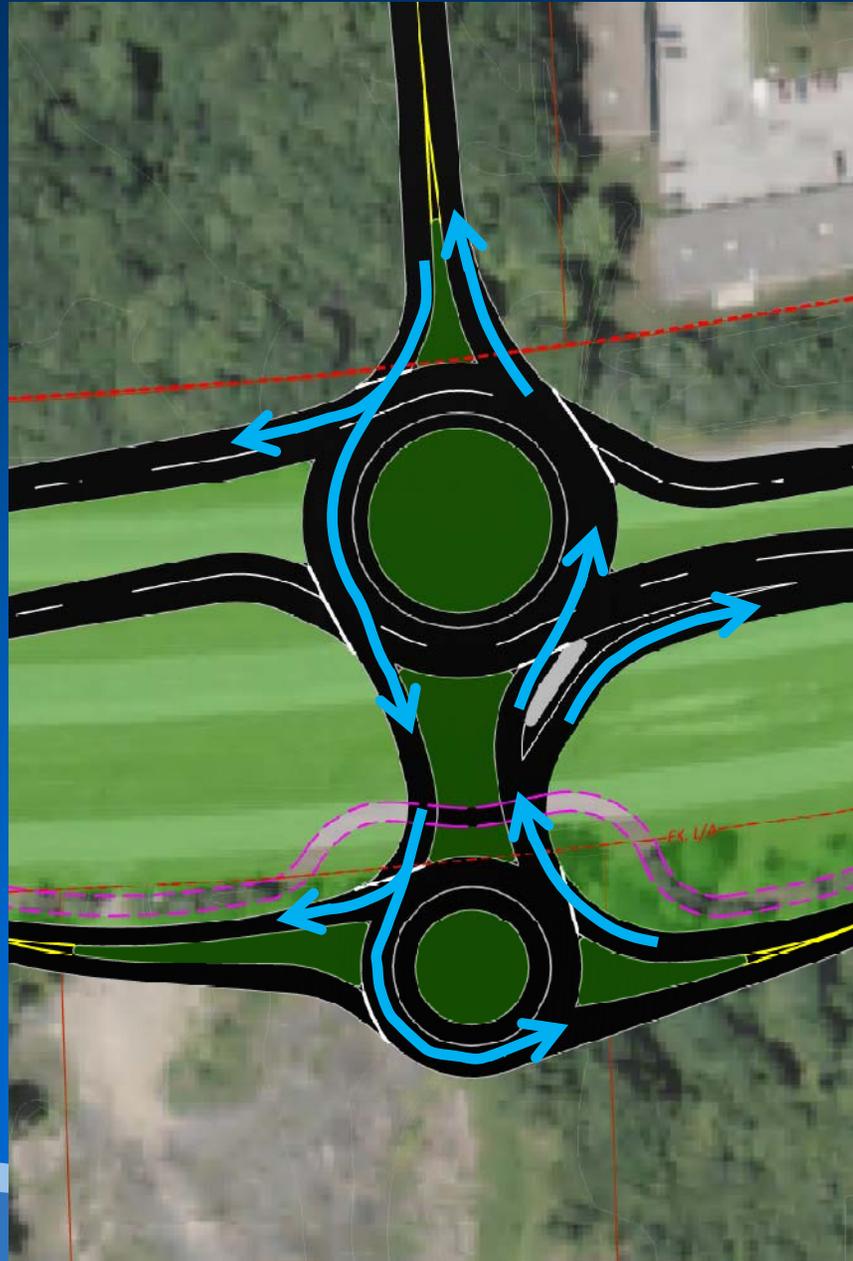
# Alt 3 – Round About Alternative



# Alt 3 – Round About Alternative



# Alt 3 – Round About Alternative



# *Workshop*

- Review Mapping
- Ask Questions
- Provide Comments

# *Next Steps*

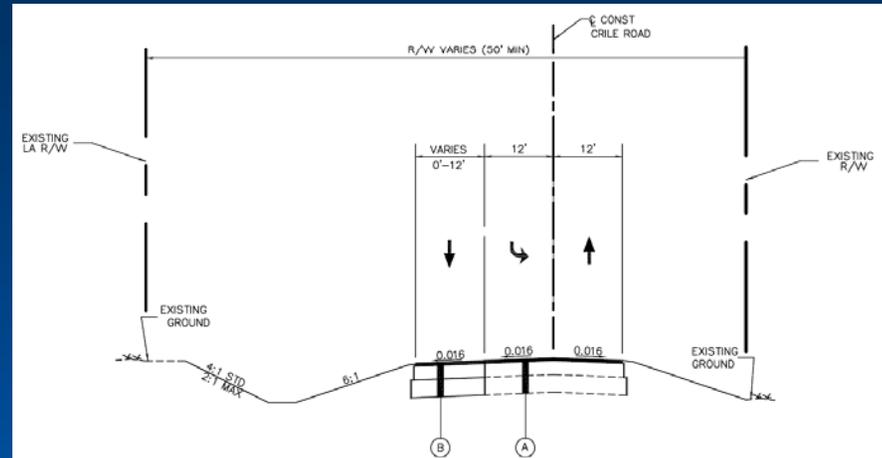
- Draft purpose & need
- Additional analysis
- Evaluate Alternatives
- Stakeholder Meeting No. 2
- Open House
- Comment period
- Select Preferred Alternative
- Final Design

*Thank you*

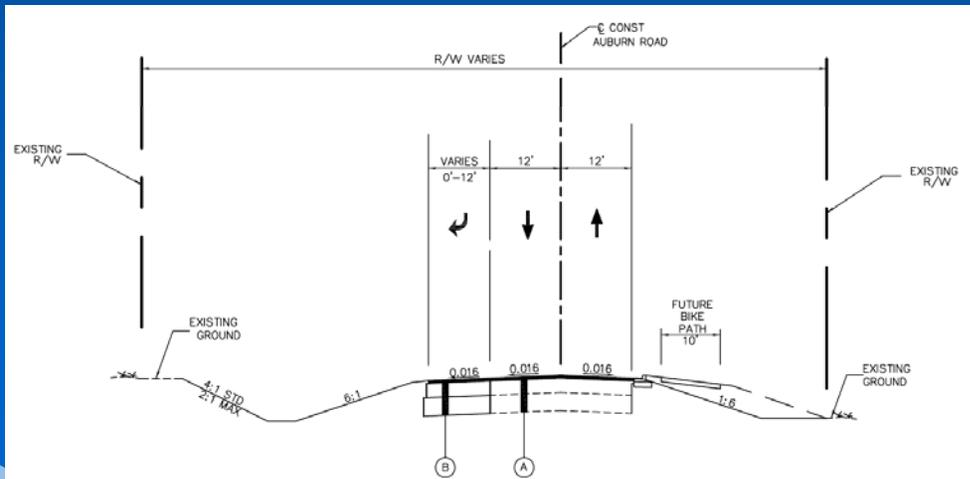
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# Alt A – Auburn/Crile intersection

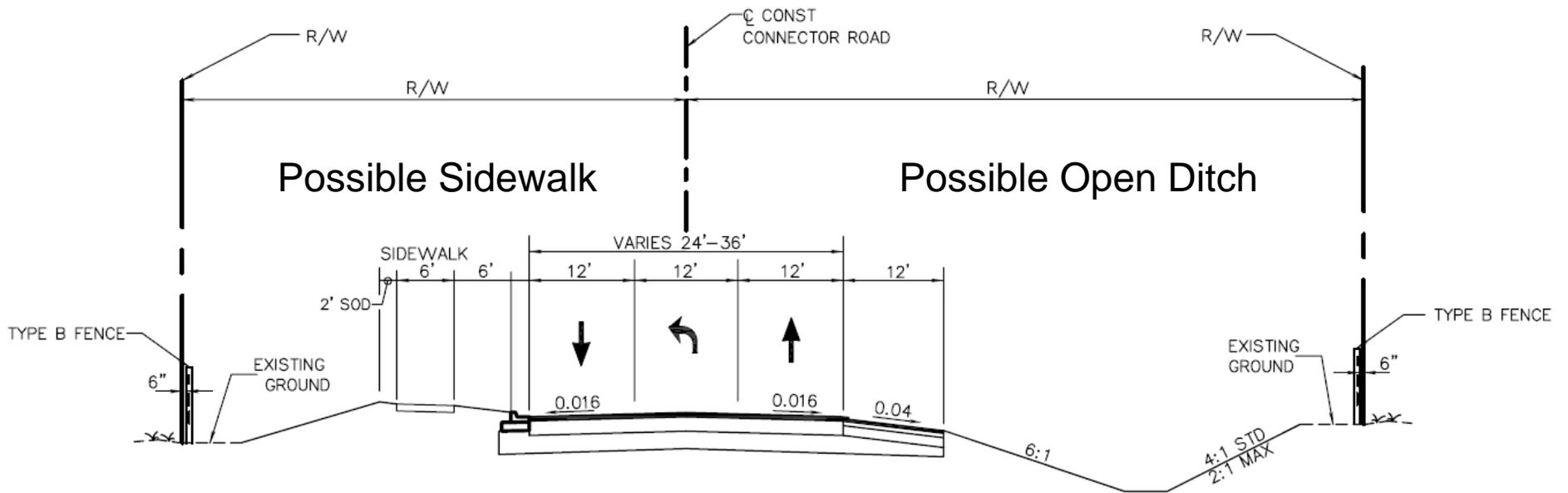


**Crile Road Section**



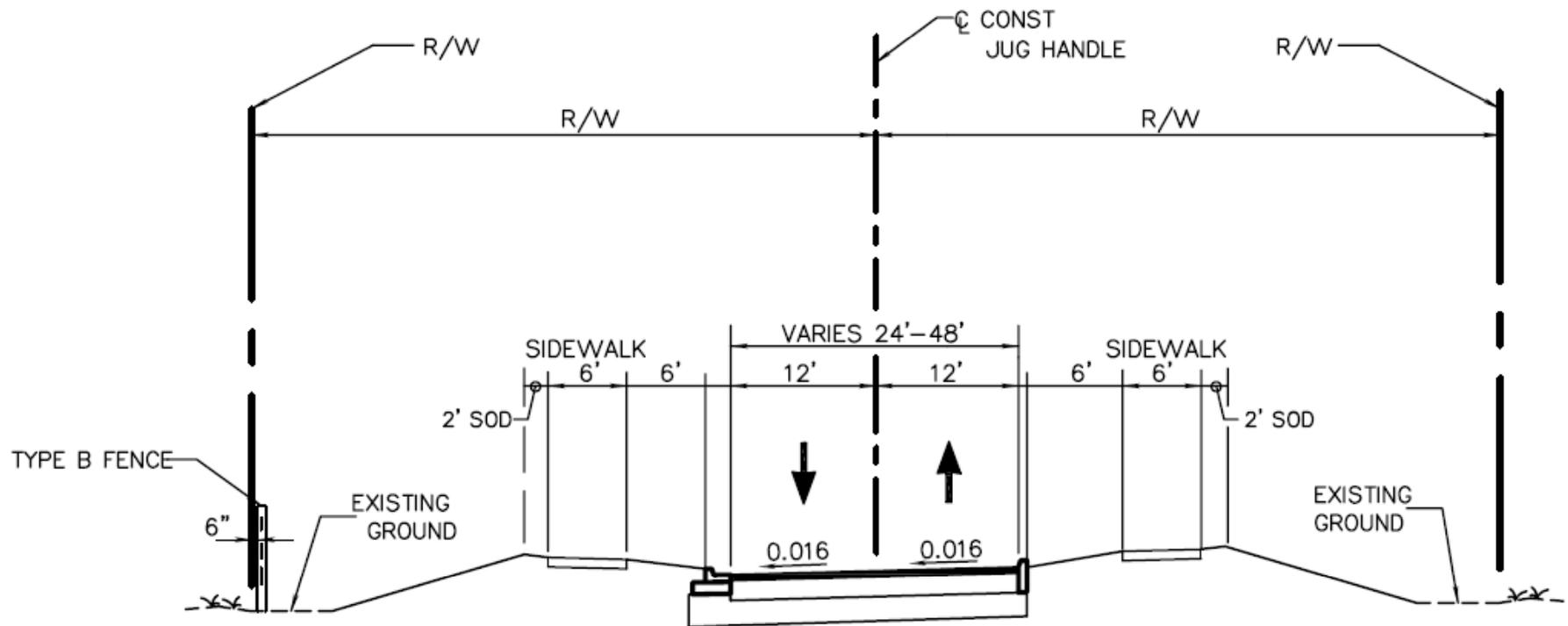
**Auburn Road Section**

# Alt 1 – By Pass Alternative



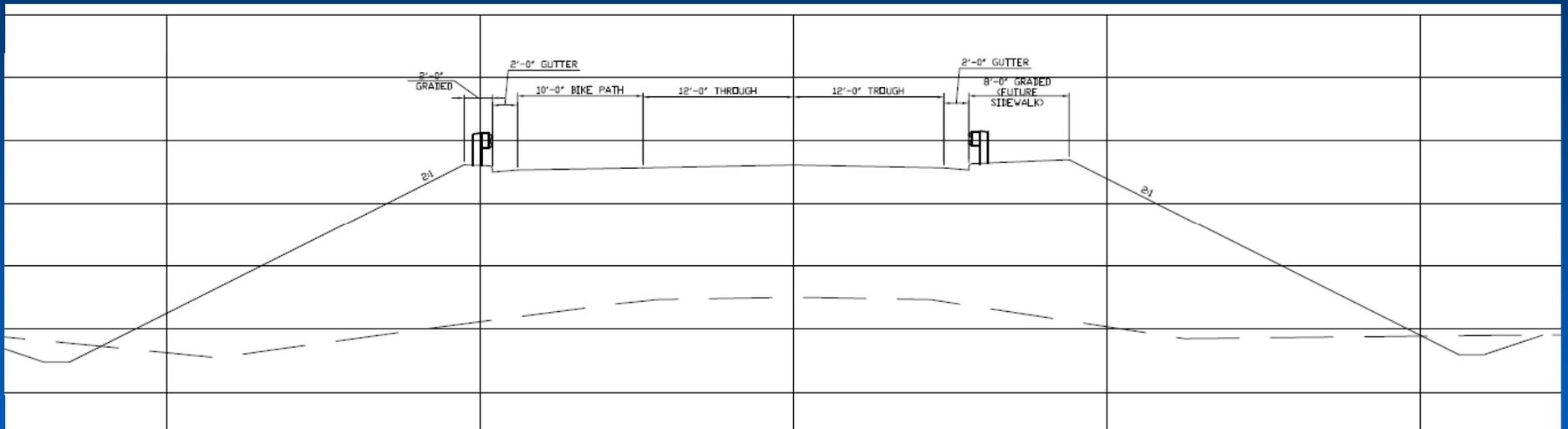
## Connector Road Section

# Alt 2 – Jug Handle Alternative



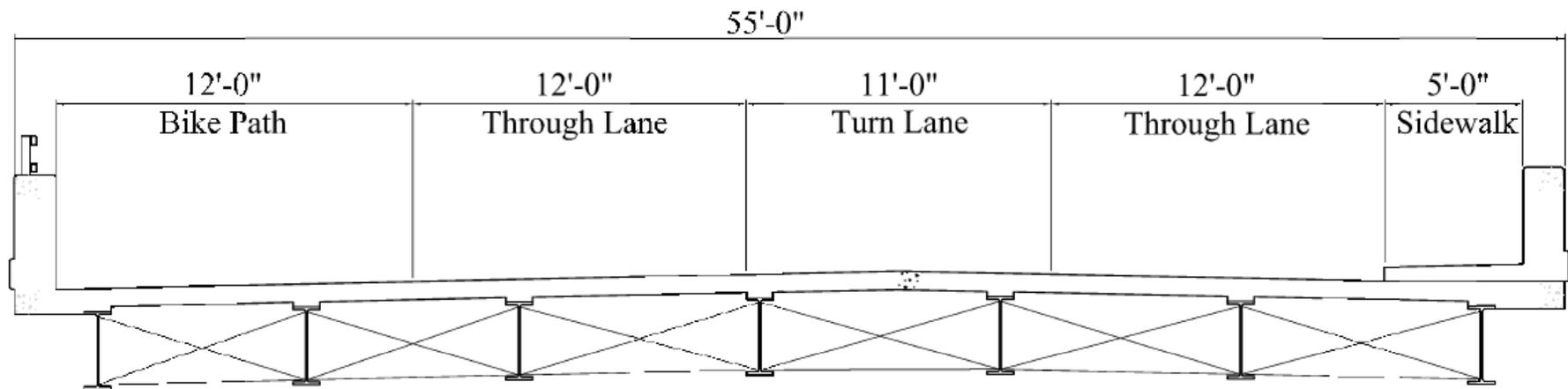
## Jug Handle Road Section

# Alt 2 – Jug Handle Alternative



*Possible Crile Road  
Embankment Section*

# *Alt 2 – Jug Handle Alternative*



*Possible Bridge Section*

# Alt 3 – Round About Alternative

