

# *LAK-44 Crile Road Connector*

## *Concord Township, Lake County Ohio*



## Stakeholder Workshop

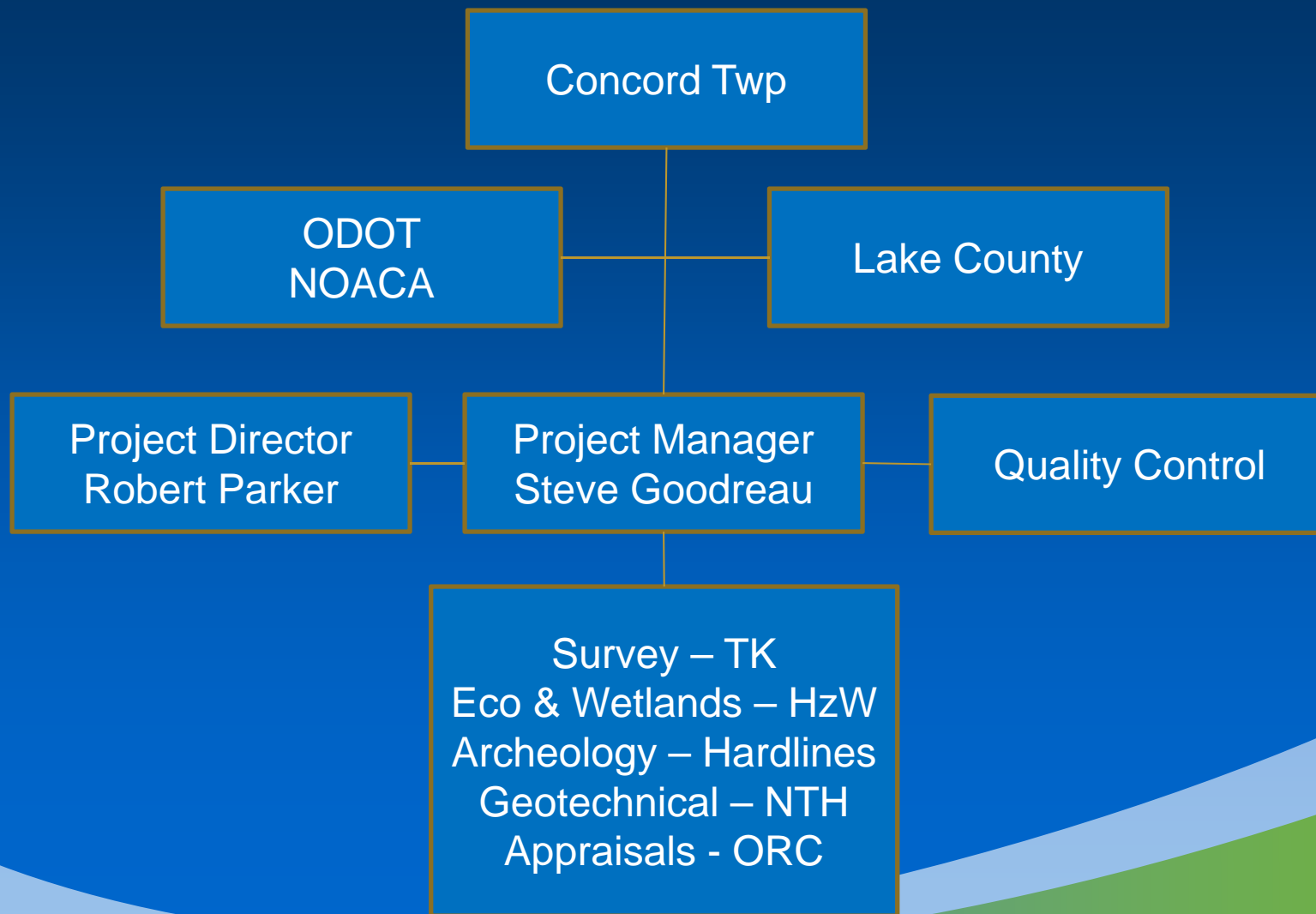
December 13, 2011

**WilburSmith**  
ASSOCIATES

# *Agenda*

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

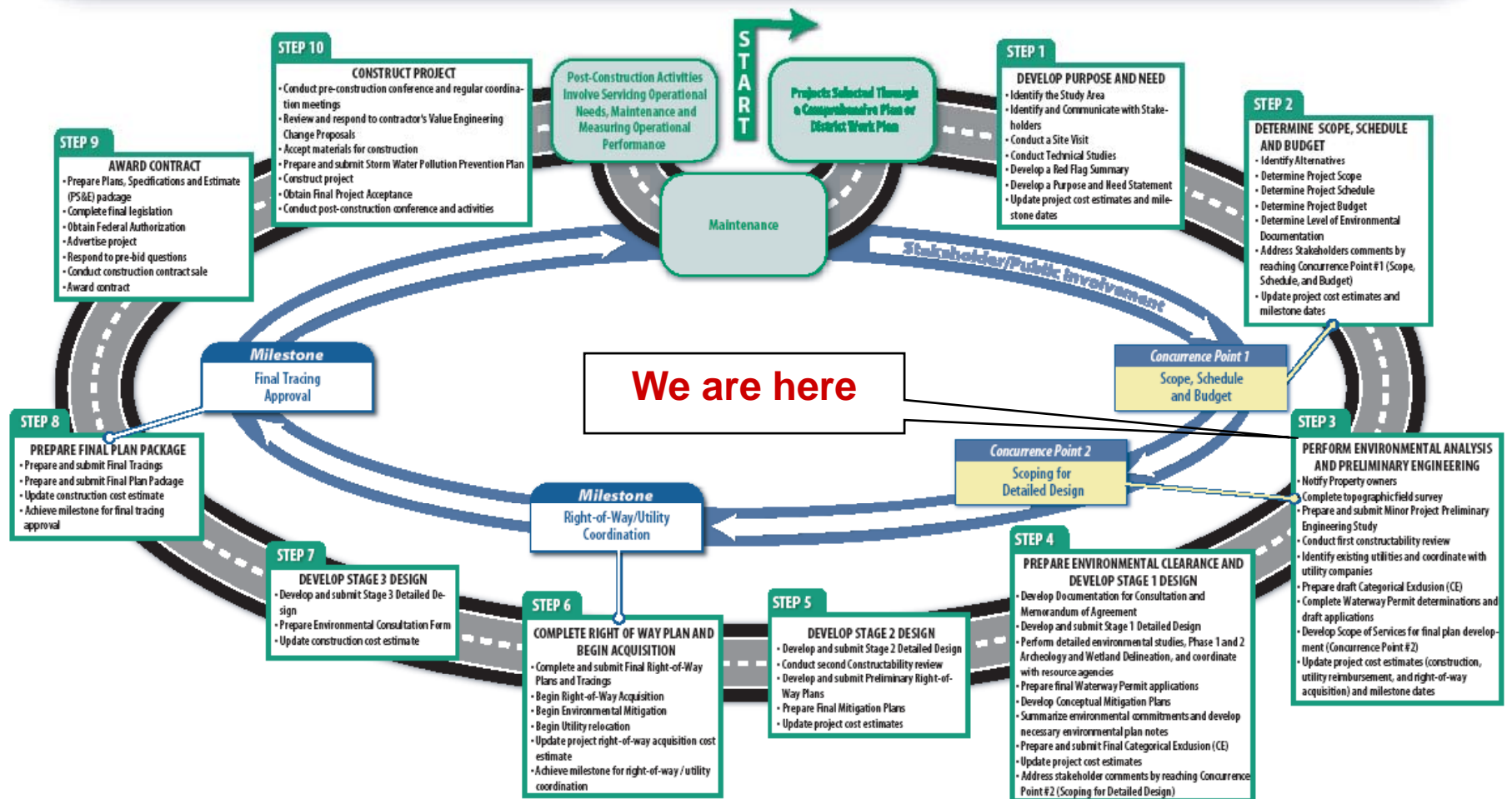
# *Project Team*



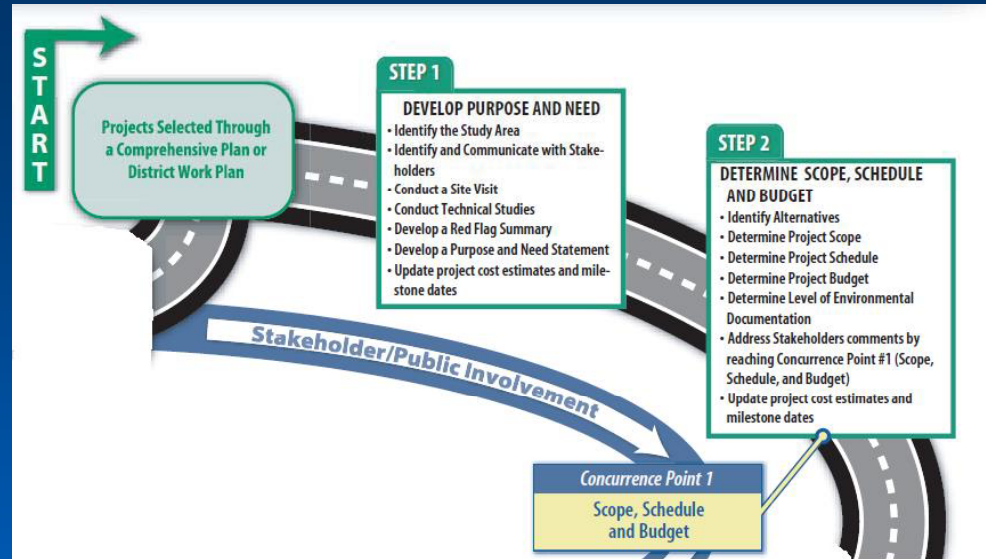
# Development Process



## 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

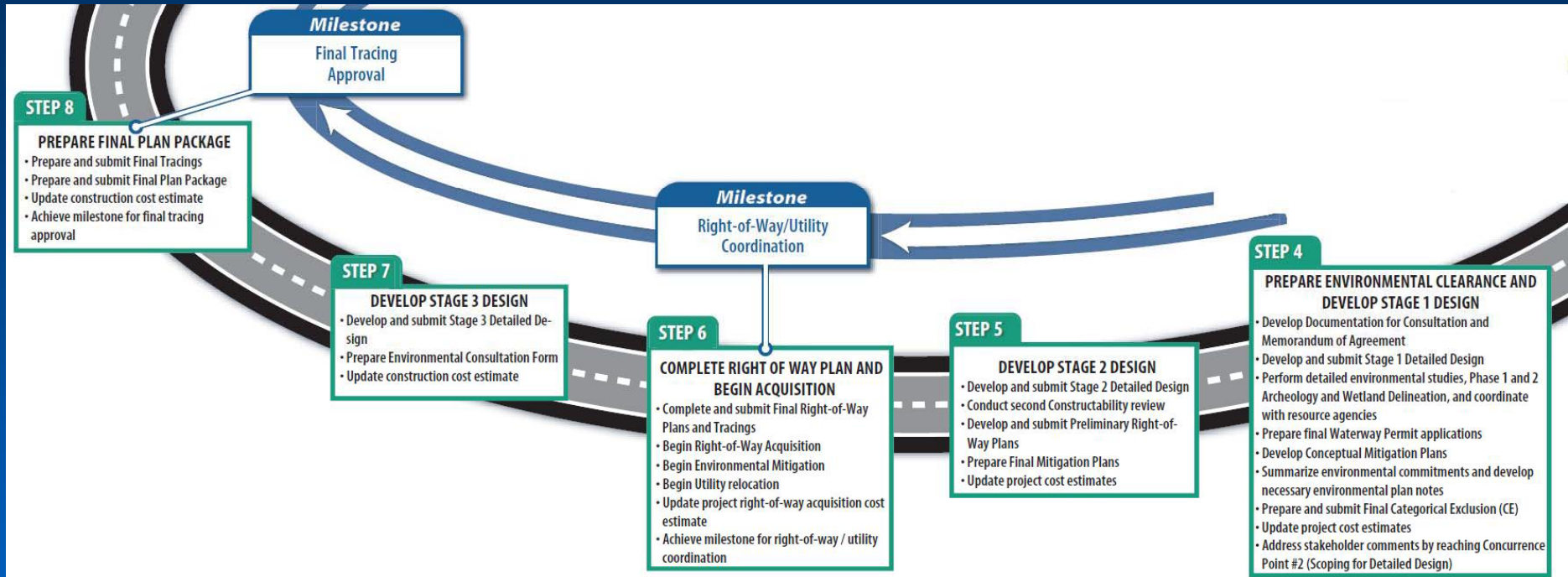
- Alternative Development
- Stakeholder Input
- Environmental Evaluation
- Alternative Evaluation
- Identify Preferred Alt.

### 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

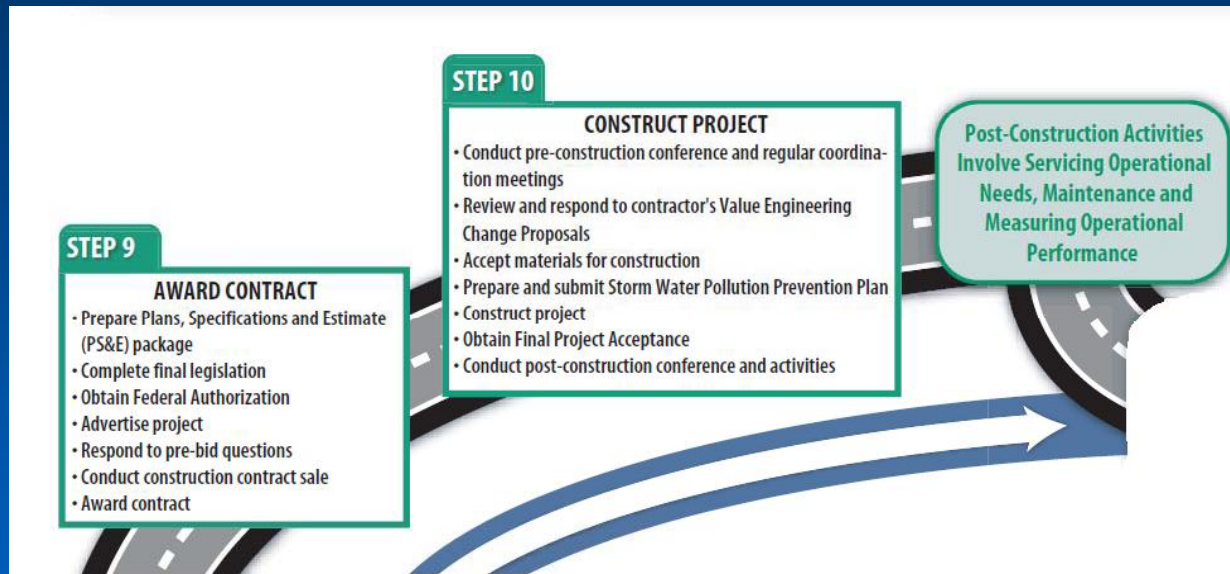


## Final Design

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



# Development Process

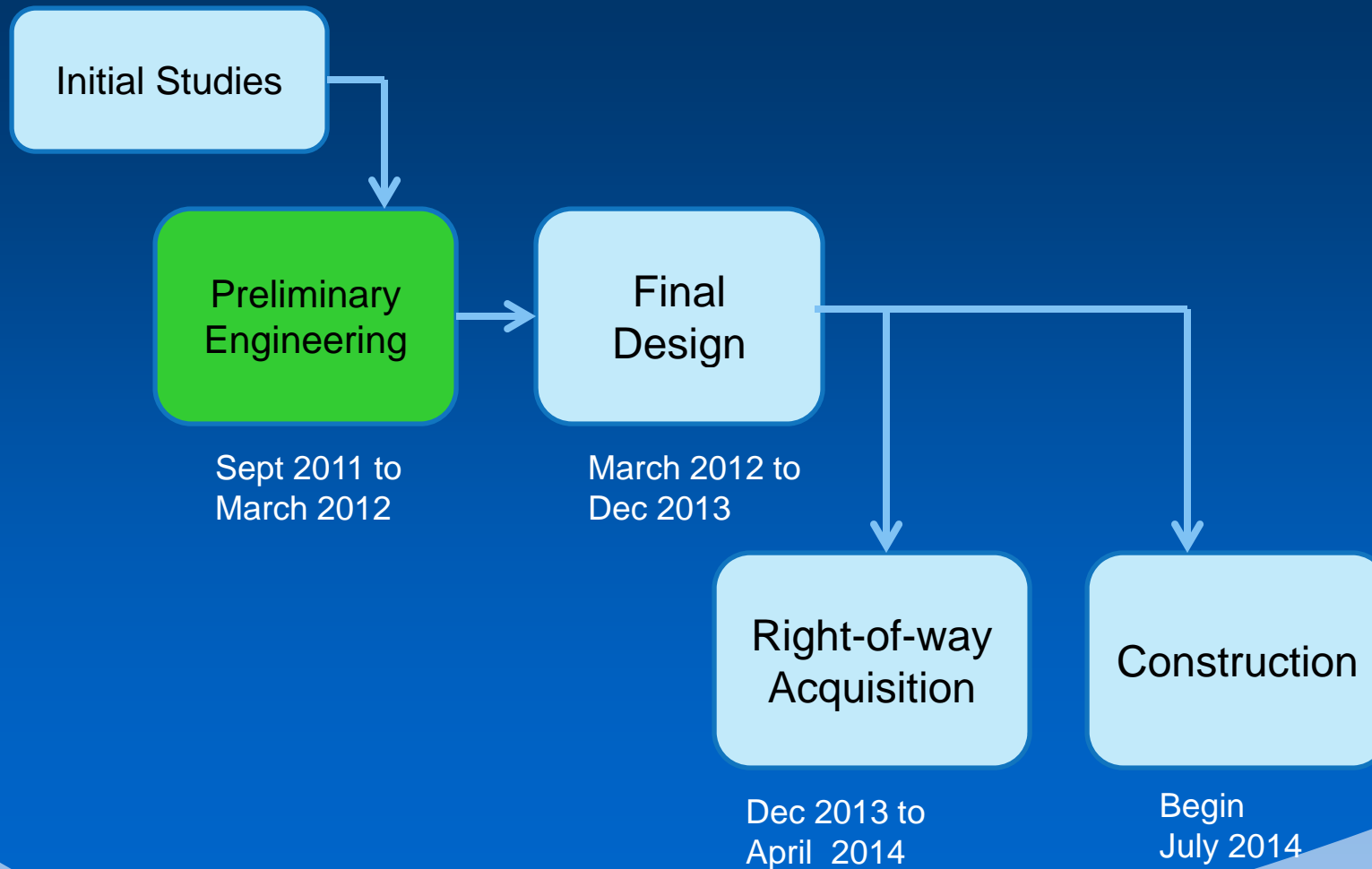


## Construction

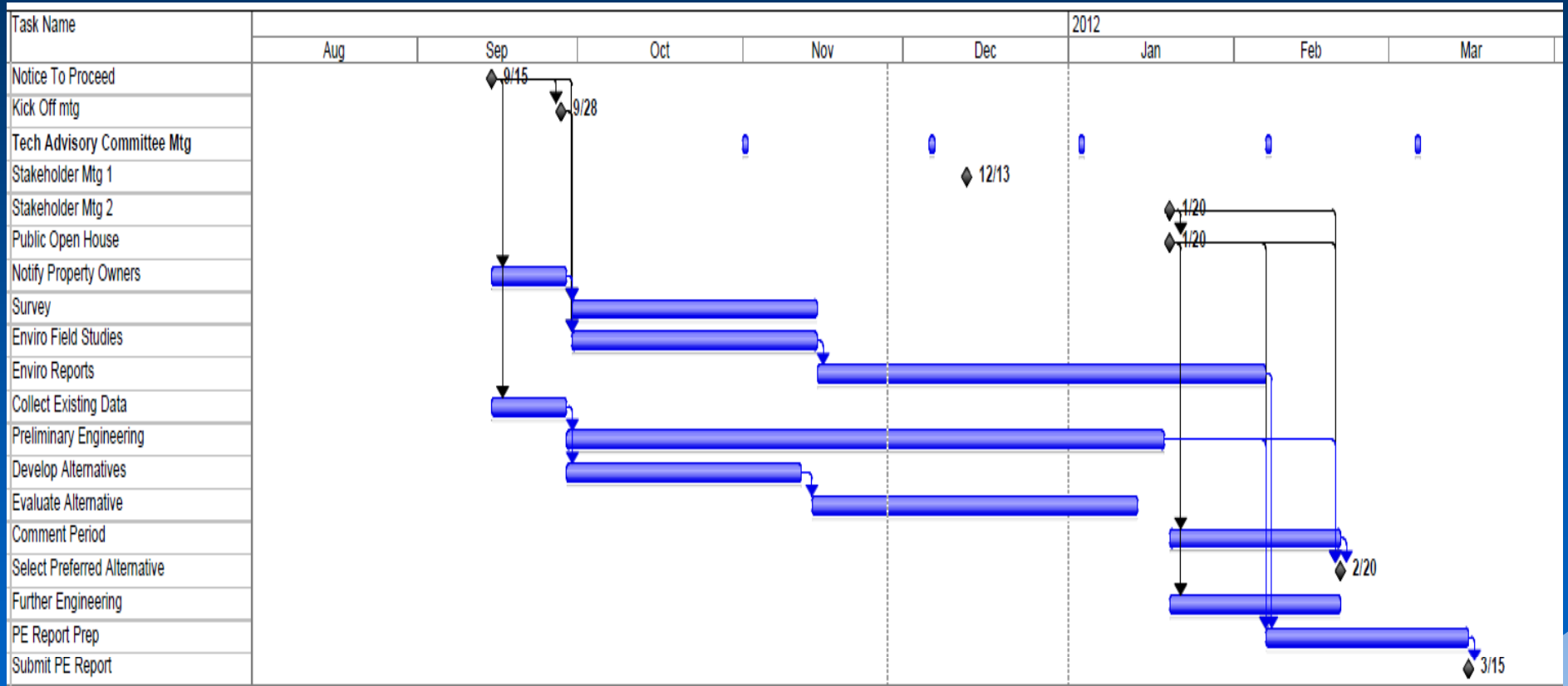
- Bid and award
- Construction



# 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 ???

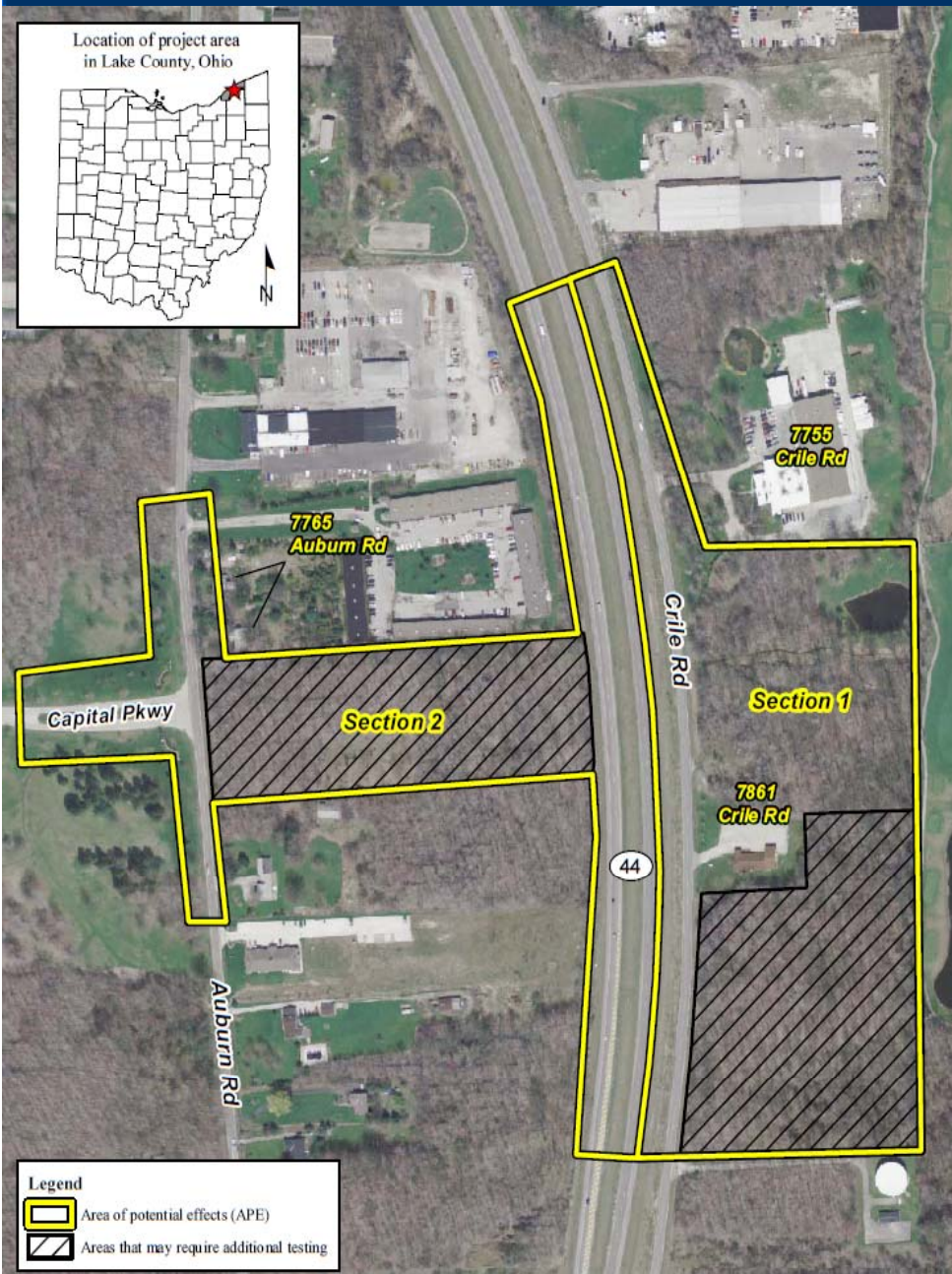
# Sample Alternative Matrix

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

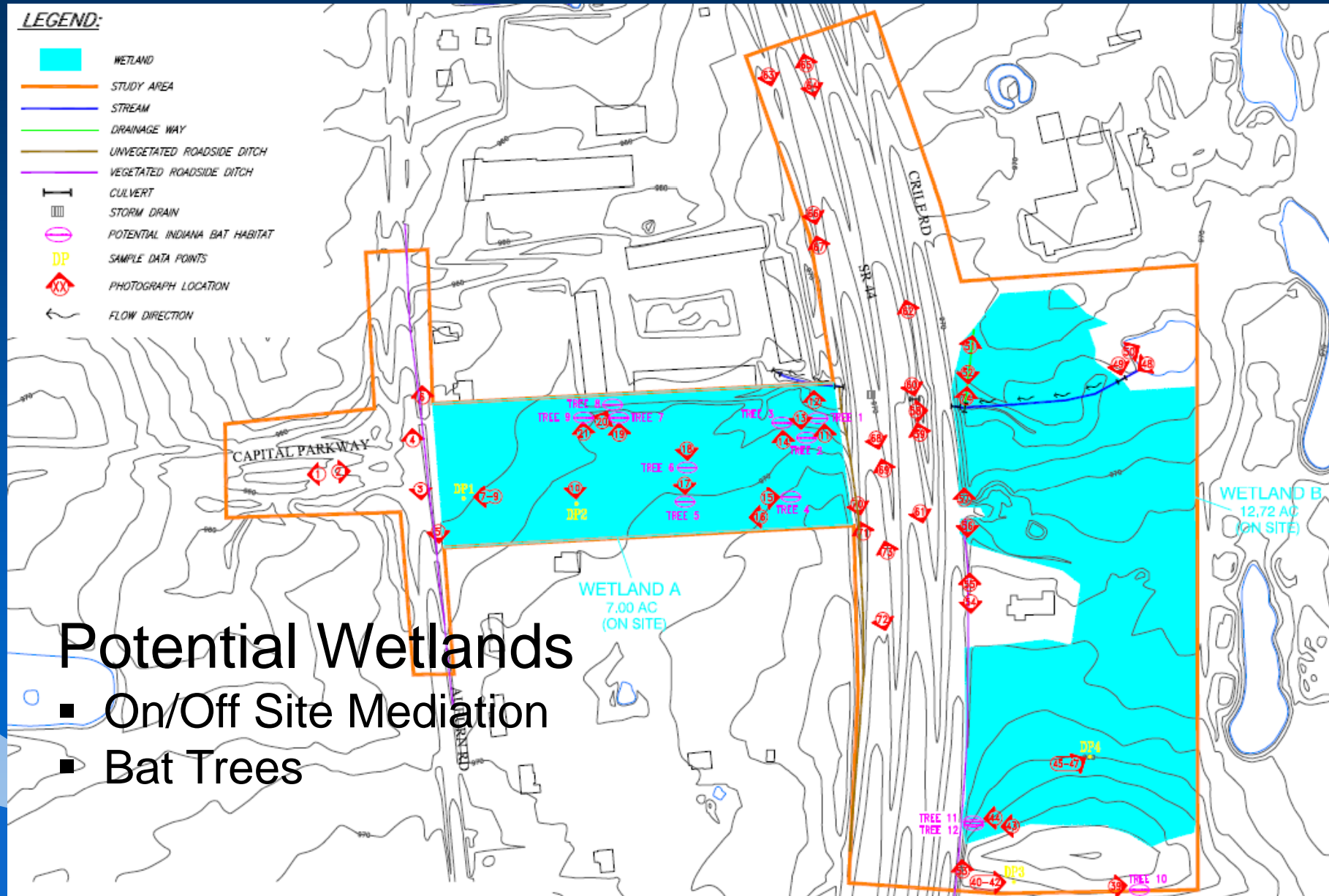
## WELL SYMBOLS

★ 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

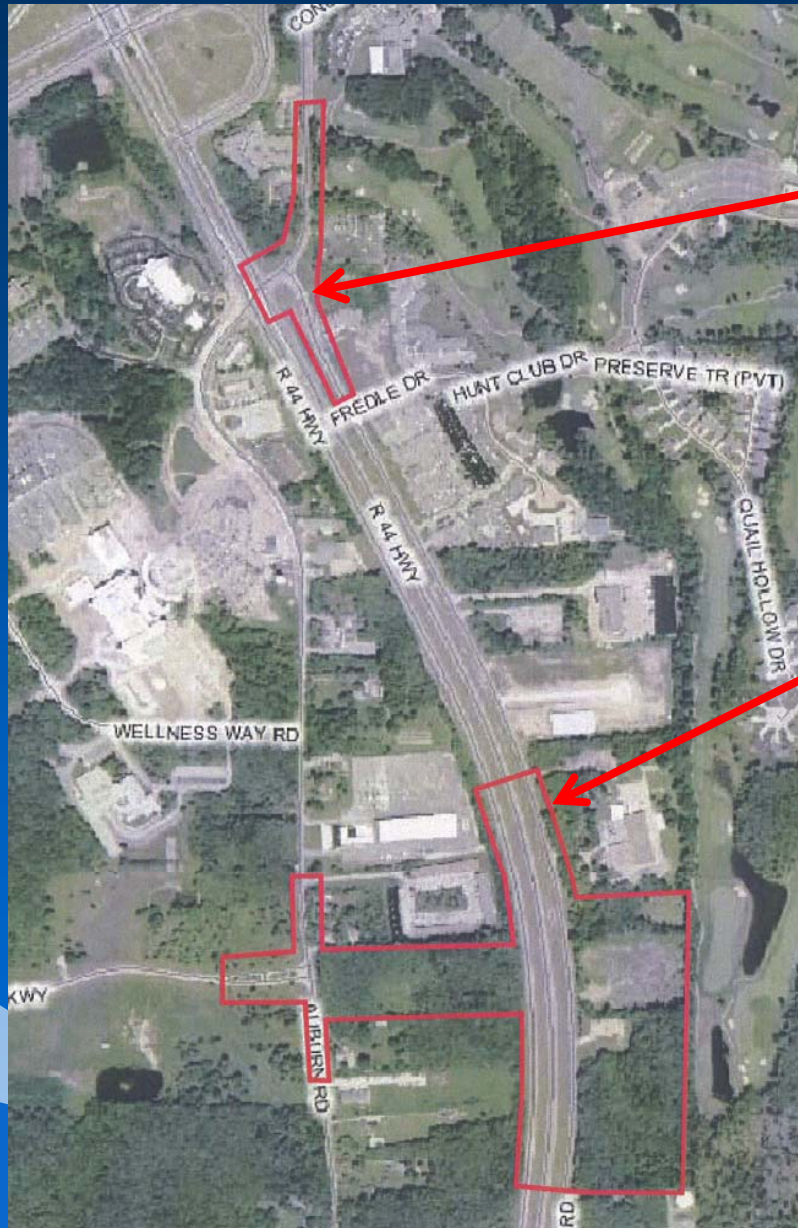
## Hazardous Materials:

- No impacts identified
- No further investigation anticipated

# Environmental Info



# Alternatives



## Auburn/Crile Intersection

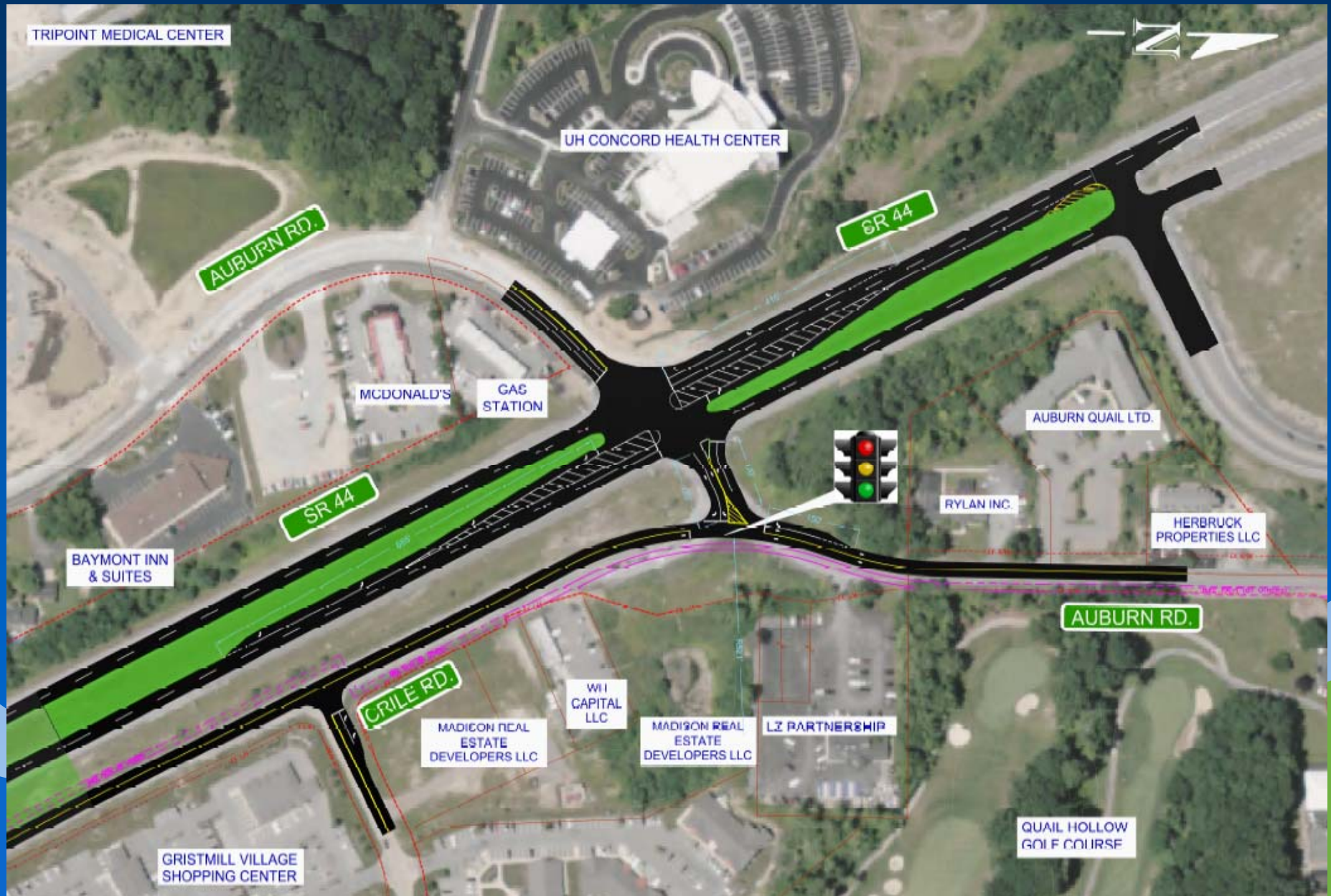
- A & B

## Auburn/Crile Connector Road

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

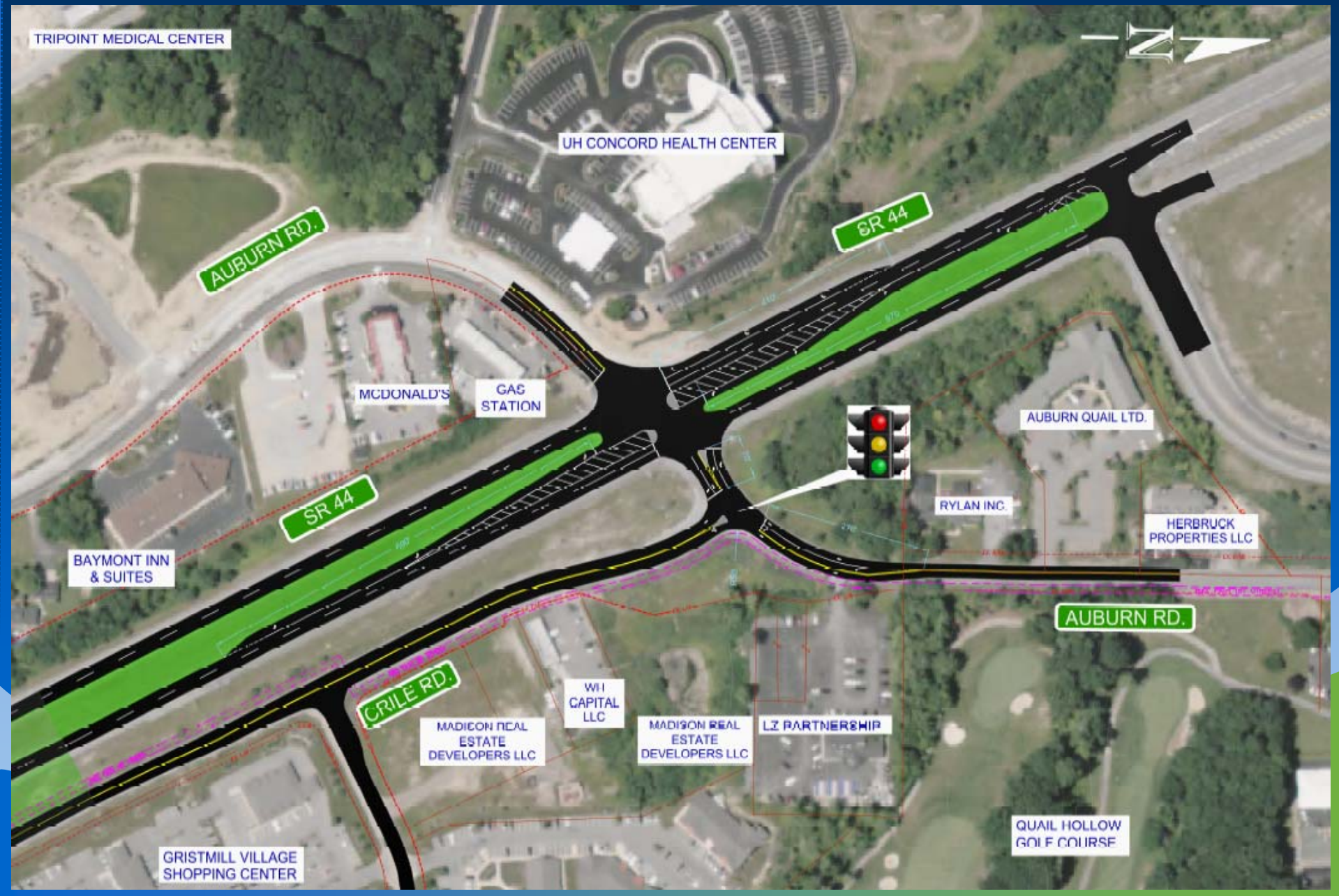


# Alt A – Auburn/Crile intersection



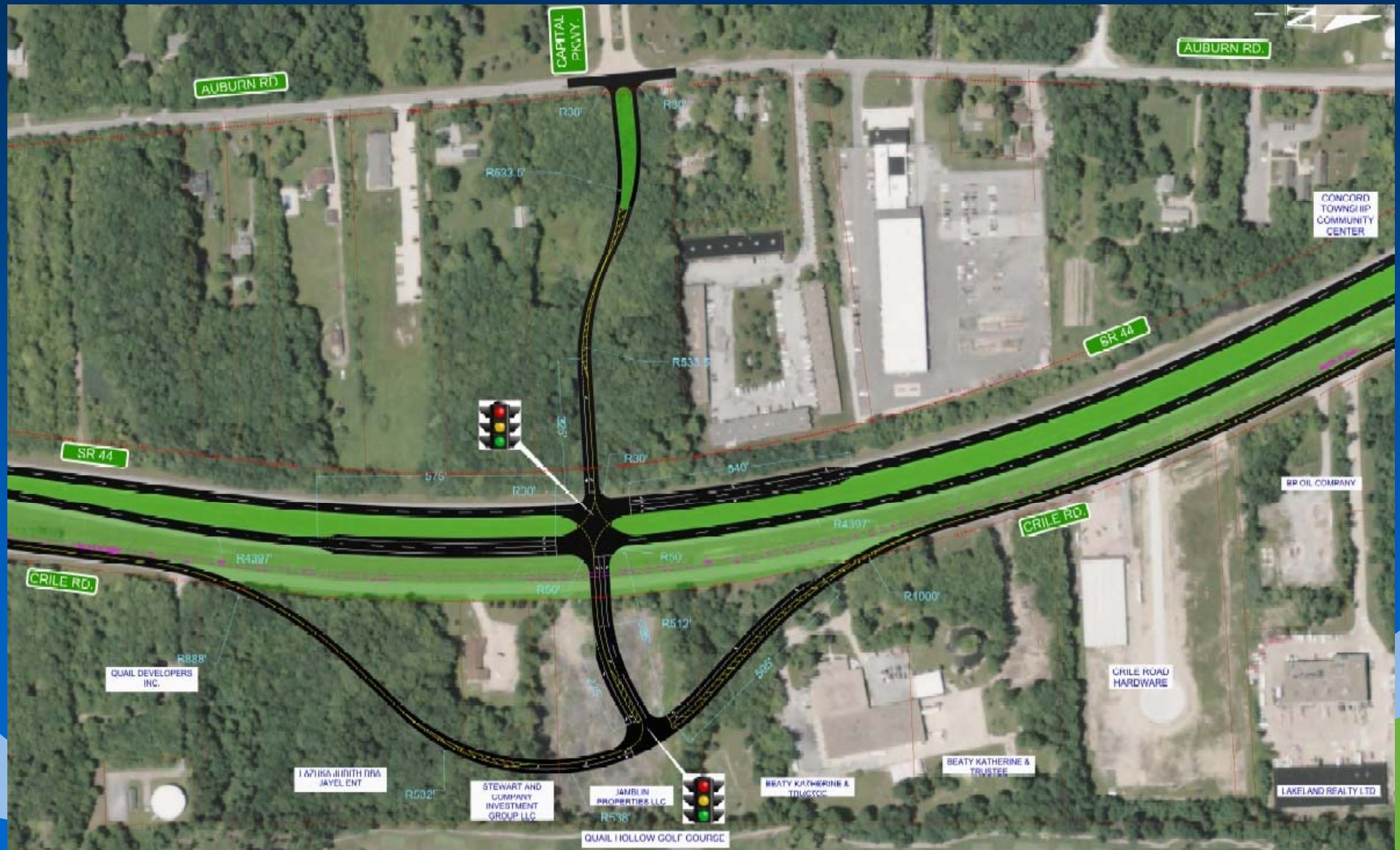


# Alt B – Auburn/Crile intersection



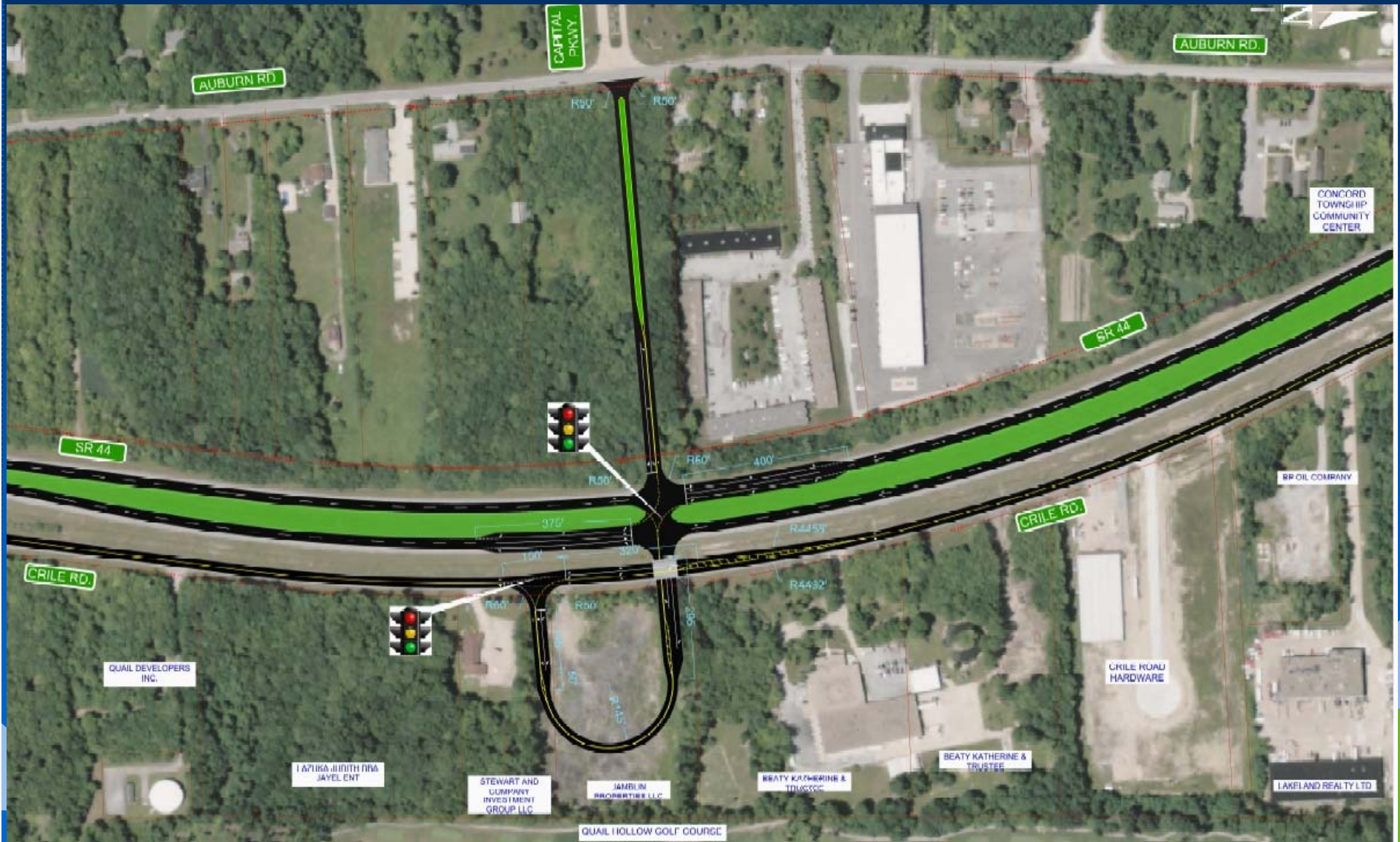


# Alt 1 – By Pass Alternative



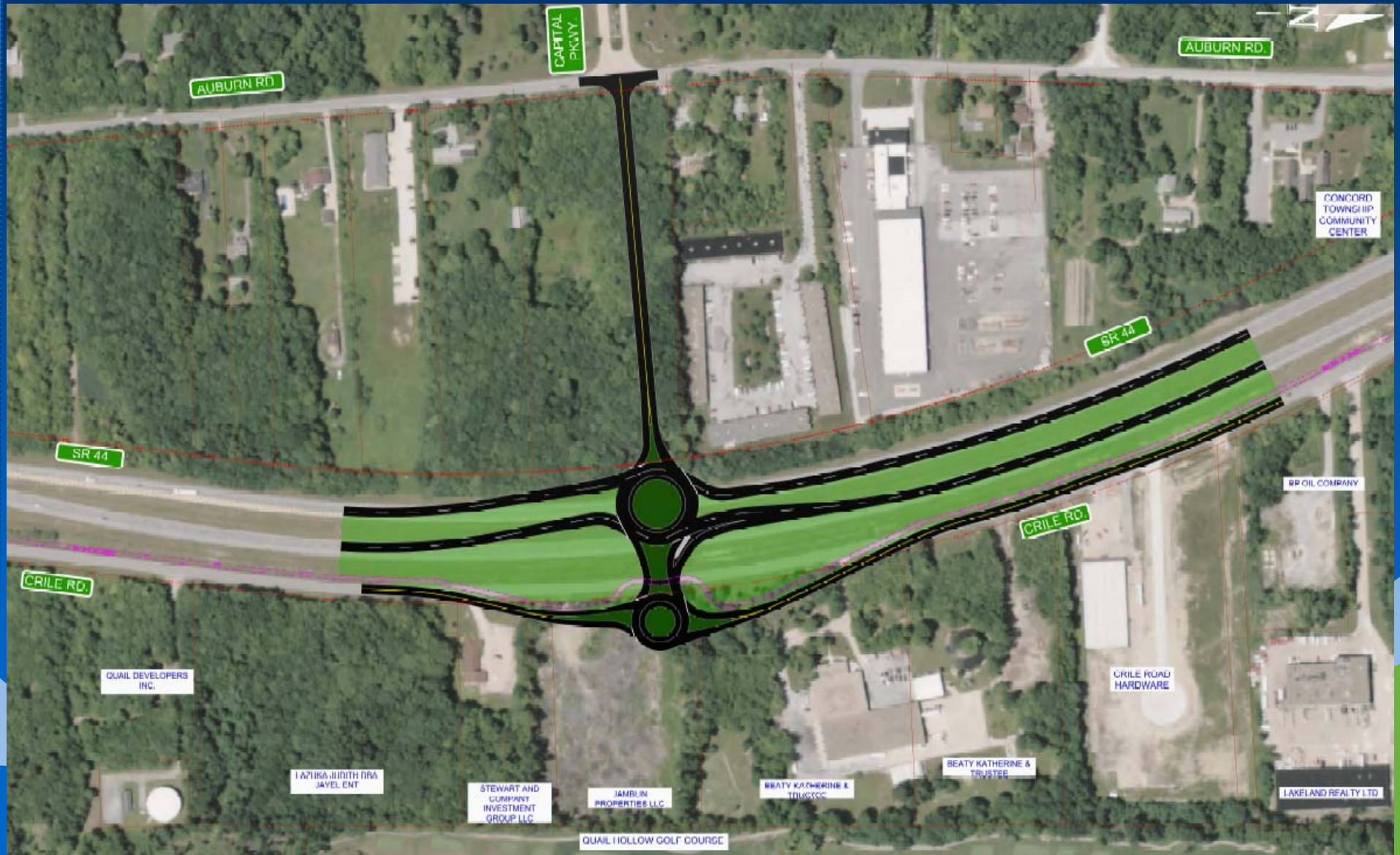


## Alt 2 – Jug Handle Alternative

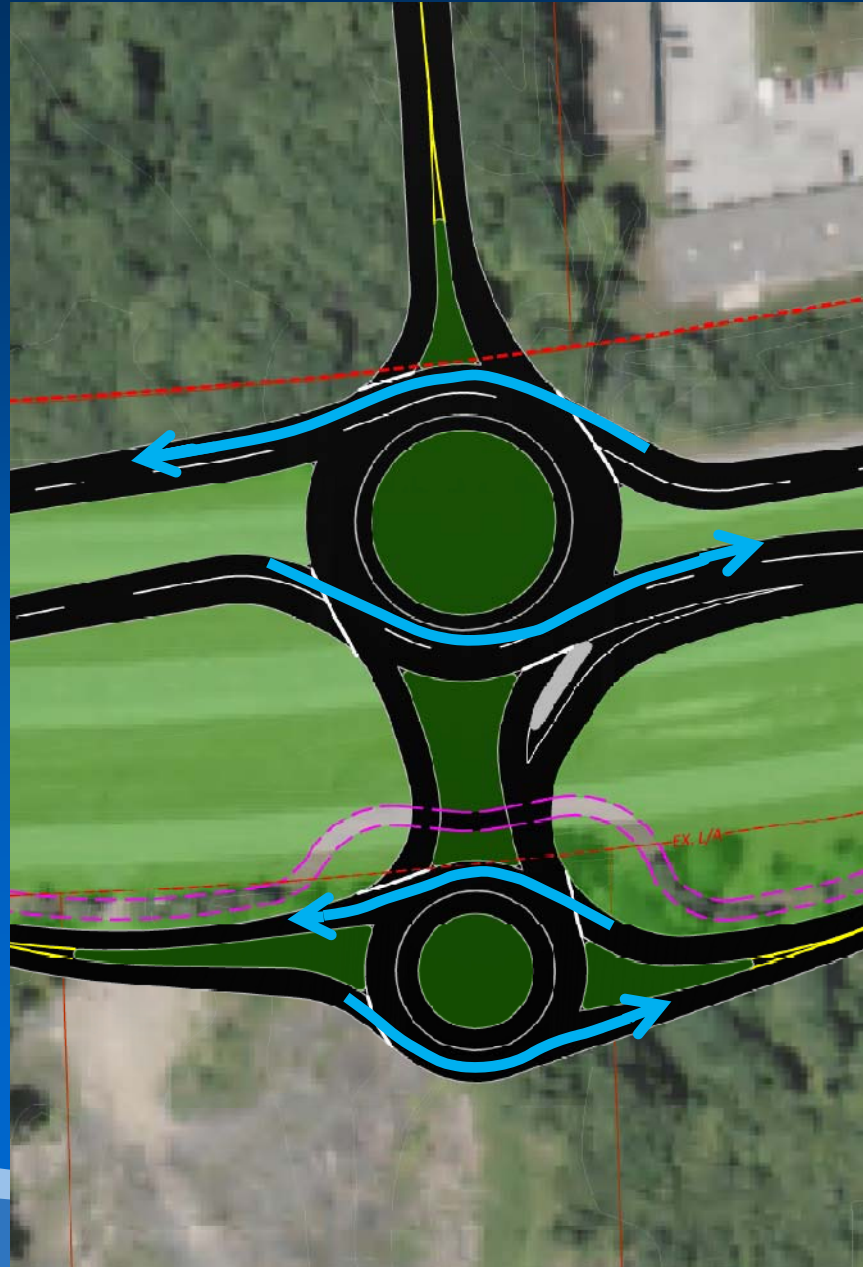




# Alt 3 – Round About Alternative



# *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

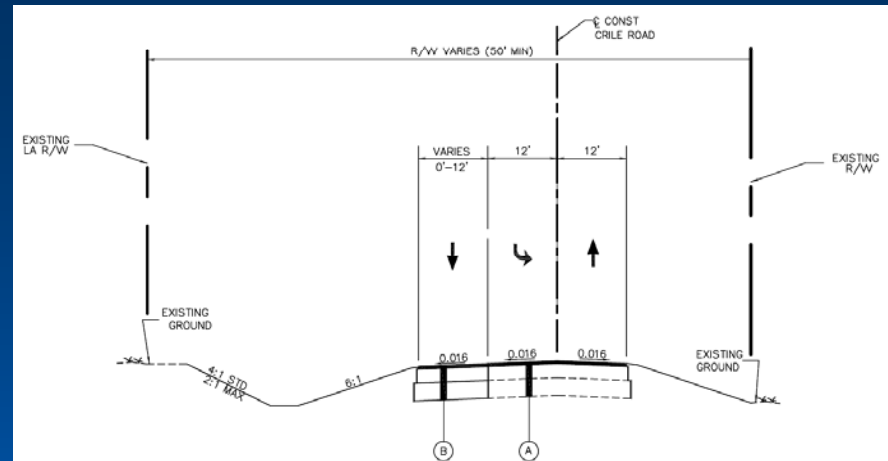


*Thank you*

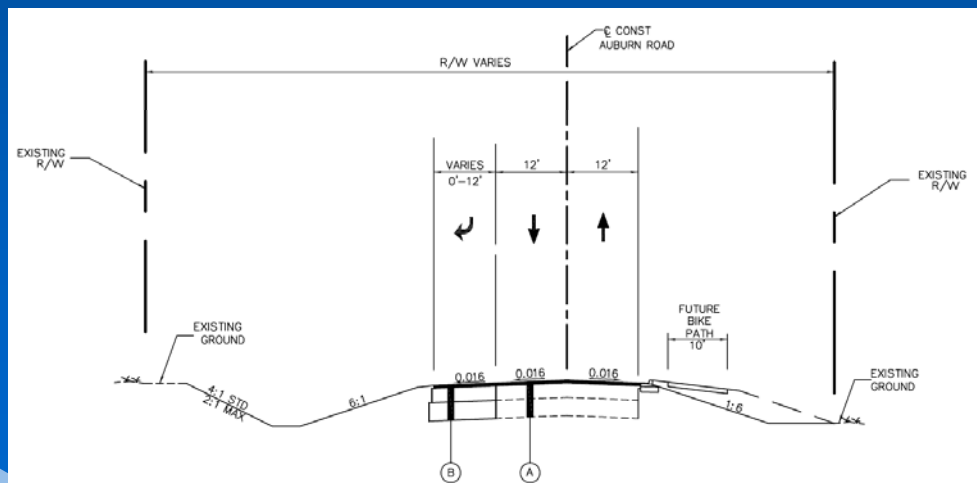
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WilburSmith  
ASSOCIATES

## ***Alt A – Auburn/Crile intersection***

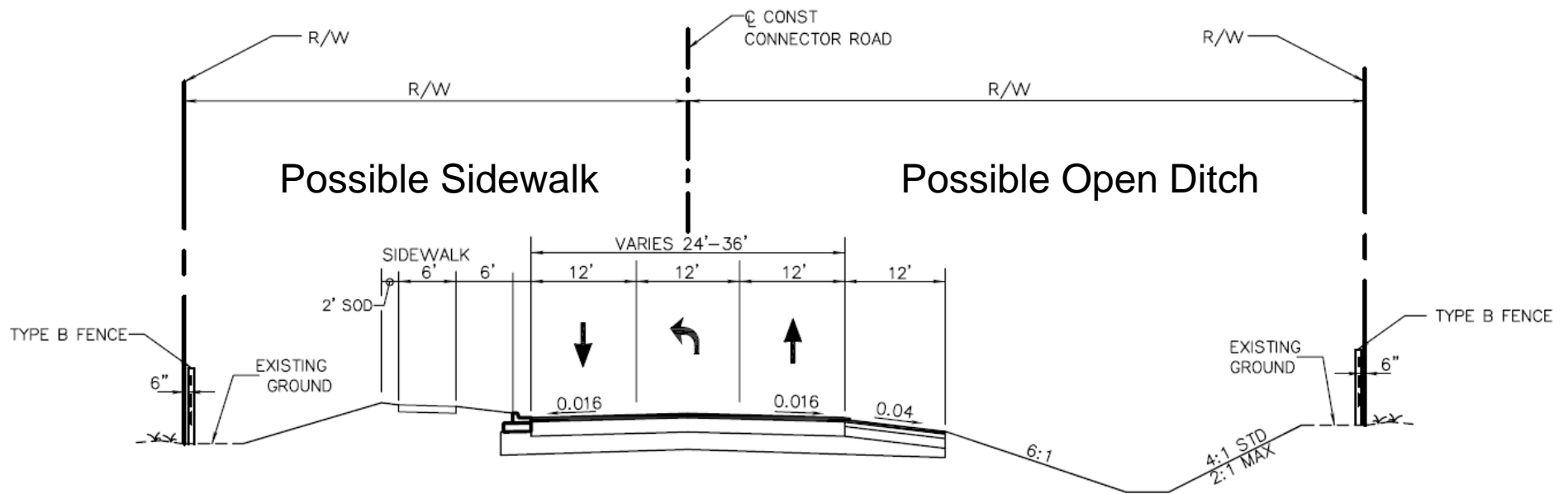


## Crile Road Section



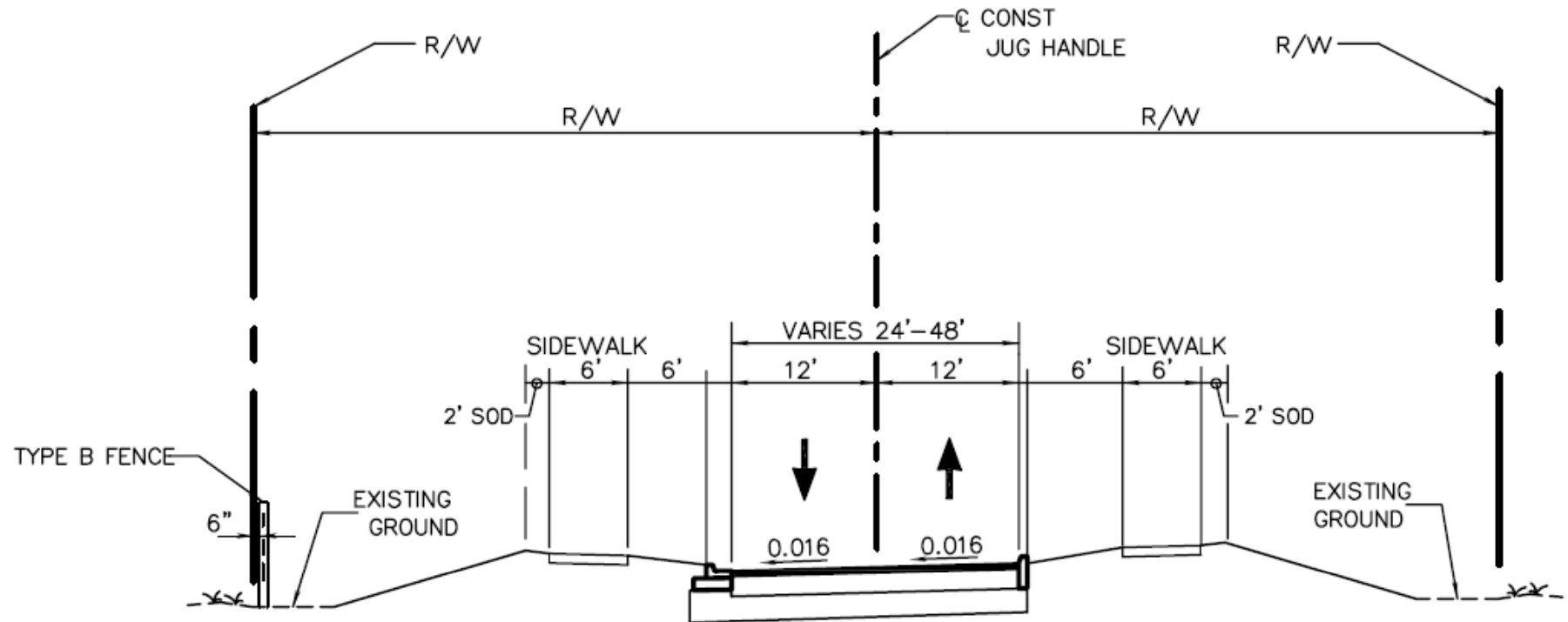
## Auburn Road Section

# Alt 1 – By Pass Alternative



## Connector Road Section

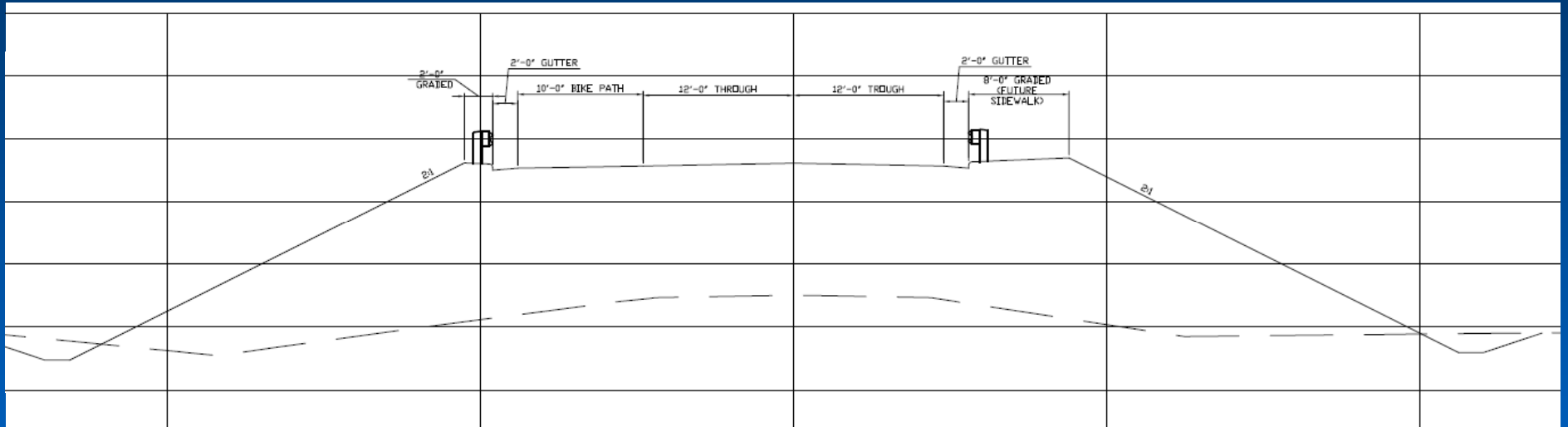
# Alt 2 – Jug Handle Alternative



*Jug Handle Road Section*

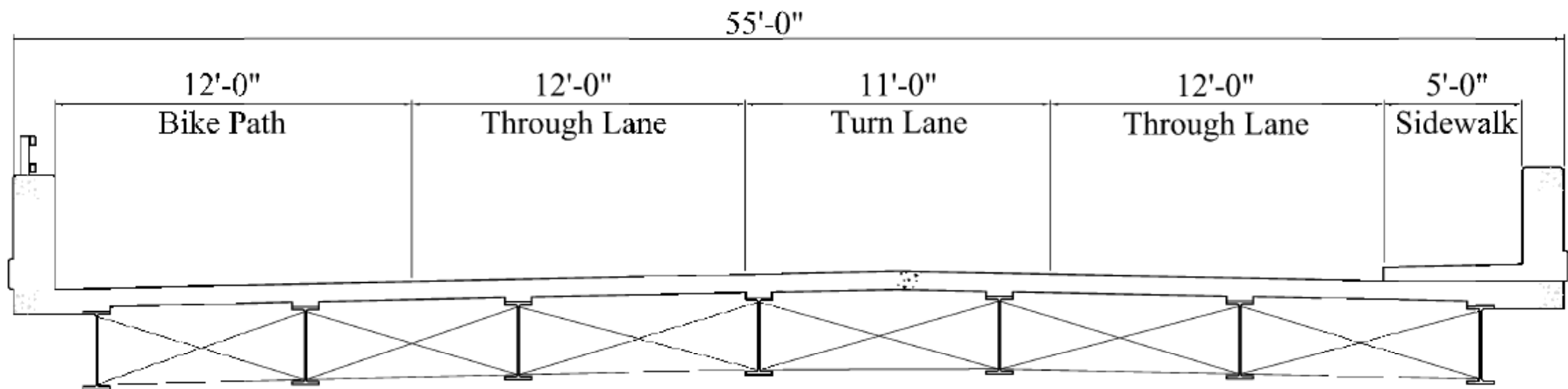
**WilburSmith**  
ASSOCIATES

# *Alt 2 – Jug Handle Alternative*



*Possible Crile Road  
Embankment Section*

# *Alt 2 – Jug Handle Alternative*



*Possible Bridge Section*



# Alt 3 – Round About Alternative

