

# SR 58 Corridor Study

Final Report Meeting

Amherst Township Town Hall

September 25, 2007

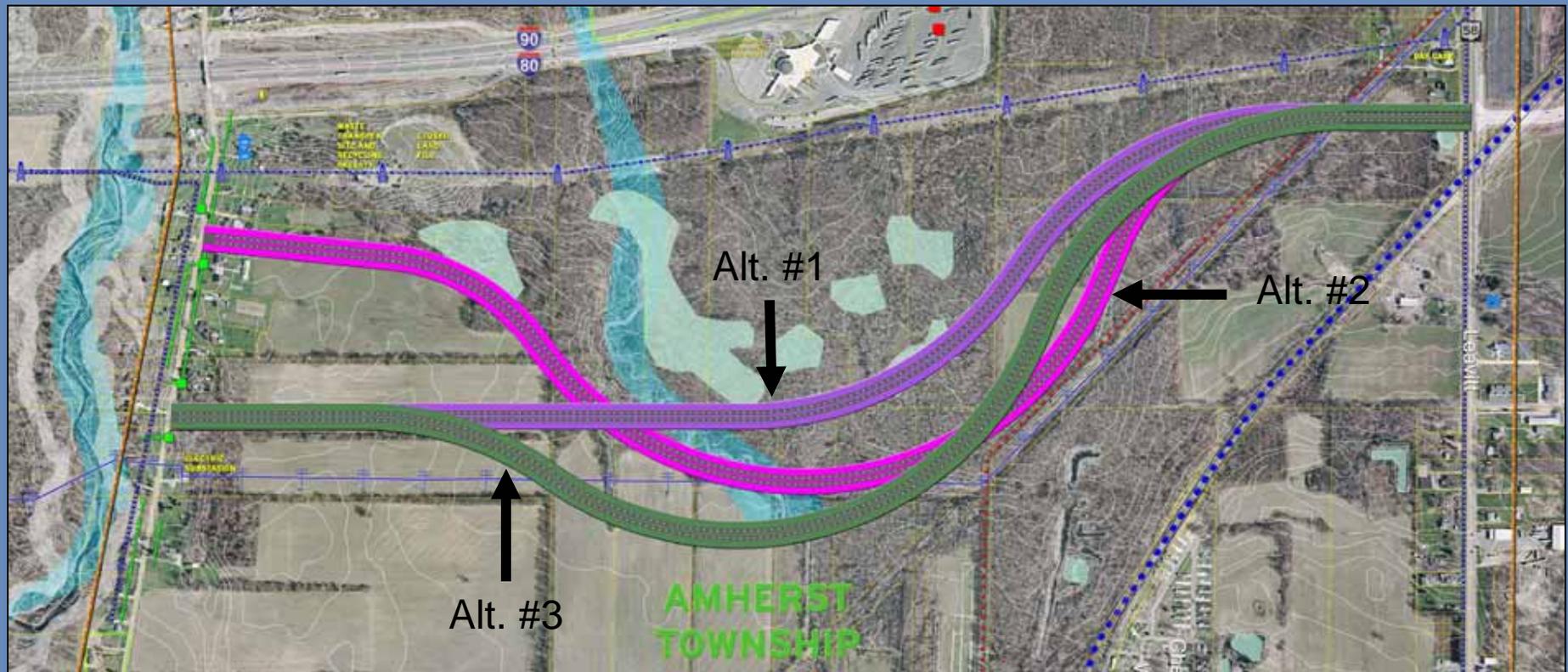


**HNTB**

# Purpose and Need

- Coordinate adjacent land use with traffic needs
- Preserve traffic flow and levels of service

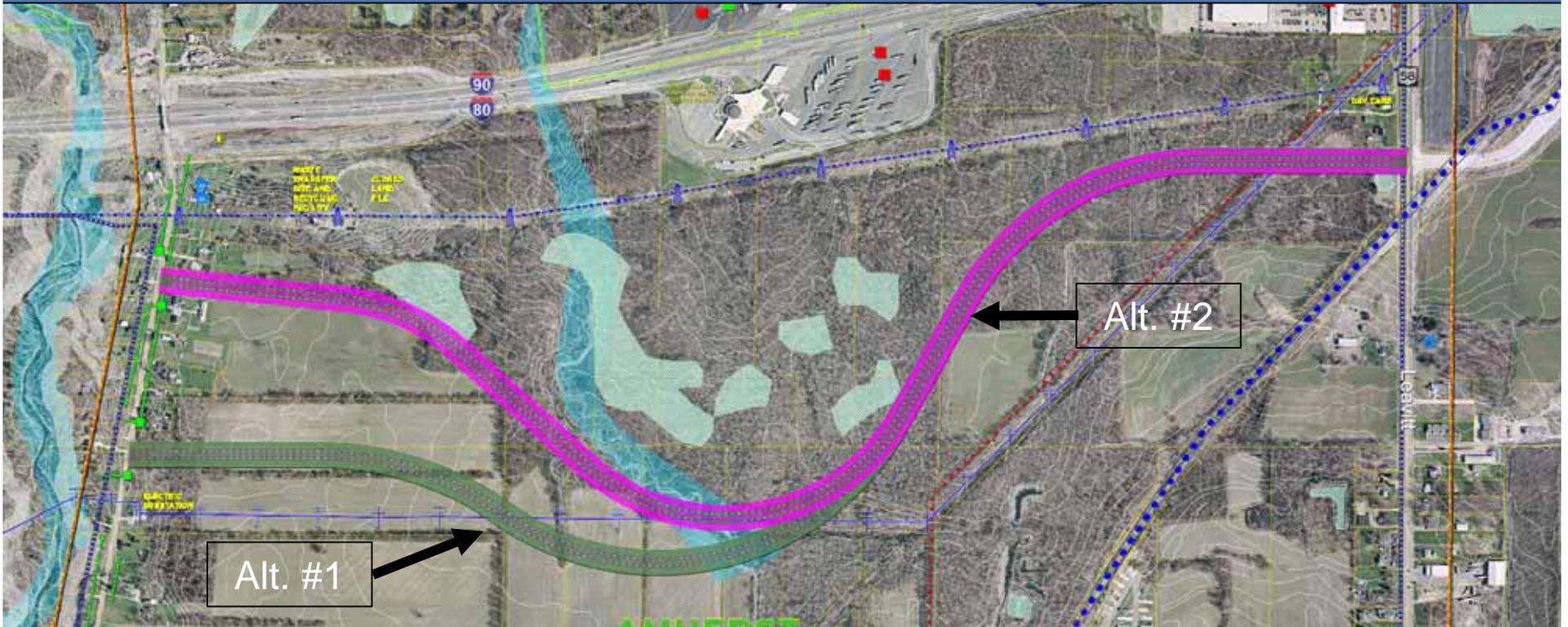
# Conceptual Alternatives



# Proposed Typical Section



# Feasible Alternatives



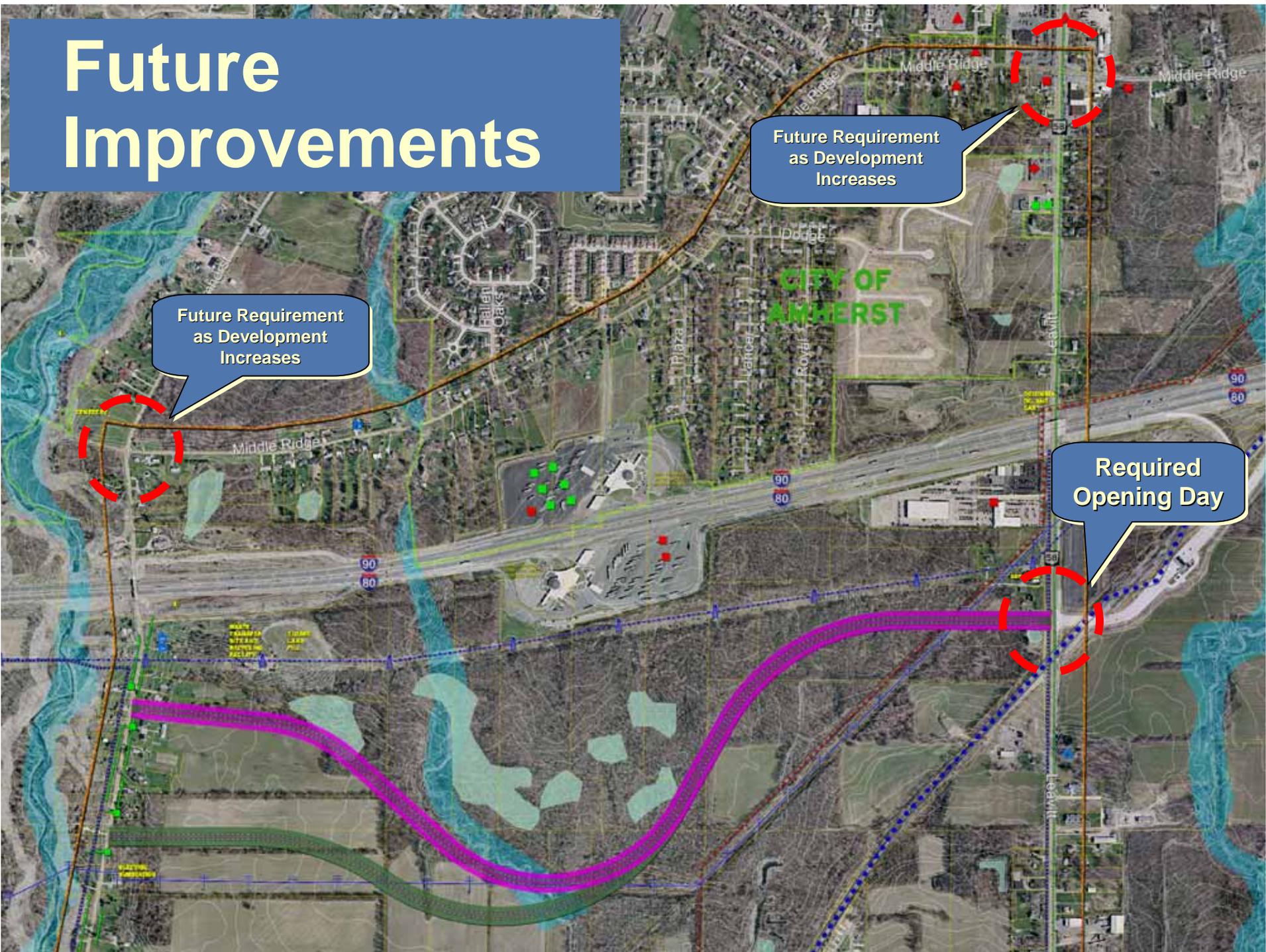
# Feasible Alternatives

- Estimate length ~ 9,000 ft. (~2 miles)
- Assumes 3 intersections – non-signalized
- 2 lanes each direction with turn lanes at intersections
- Sidewalks on both sides
- Landscaped median

# Future Traffic Estimates

- Projections based on new zoning
- HNTB estimated two build scenarios
  - 1/4 Build-out and 2/3 build-out
- Local intersection required by 25% build-out at; no mainline widening
- New signal at proposed development and OTC interchange – opening day

# Future Improvements



Future Requirement as Development Increases

Future Requirement as Development Increases

Required Opening Day

# Additional Considerations

- “Tower Alignments”
  - Median alignment required 176’ ROW
    - Preferred alt – 150’ ROW
  - Parallel alignments required 40’ median
    - Preferred alt – 14’ median
  - Additional property impacts
  - Limits development and frontage

# Preliminary Cost Estimates

- Estimated cost ~ \$25 million
- Assumes 2010 Construction
- Includes:
  - 150 foot ROW
  - ODOT's inflation rate (22%)
  - Contingency (35%)
  - Preliminary Engineering (PE), Construction Engineering and Inspection (CEI)

# Existing System Estimates

- Opening Day Improvements
  - SR 58/Turnpike & Development ~ \$890,000
- Future Upgrades
  - SR 58/Middle Ridge ~ \$1.0 million
  - Middle Ridge/Pyle South ~ \$206,000

# Recommendations

- Alternative #2 – preferred alt.
- Perform traffic impact study for site specific development
- Refine alignments and associated costs in next phase
- Identify funding sources

# Questions?

Thank you!

**HNTB**