Phase I Engineering Services

Old McHenry Road Underpass & Quentin Road Improvement

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Public Works, Planning, and Transportation Committee

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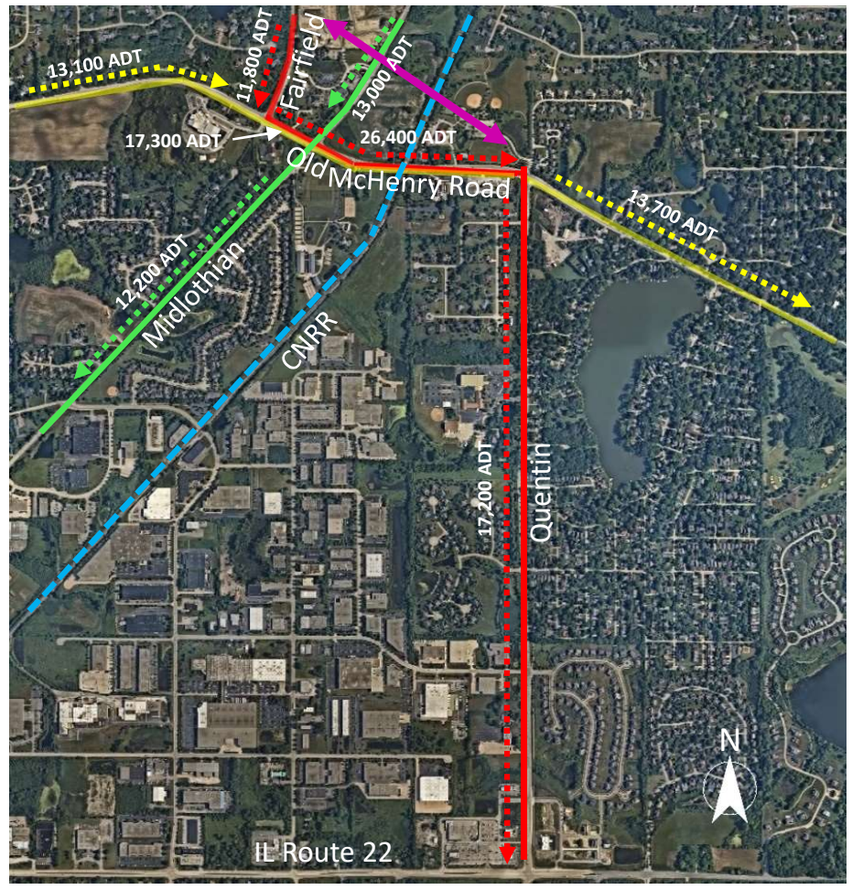
Purpose and Need

- Identified in LCDOT's 2040 Plan
- High traffic volumes on four regional highways
- Proximity of intersections
- 341 crashes (96 with injuries) over 5 years
- Frequent freight train delays

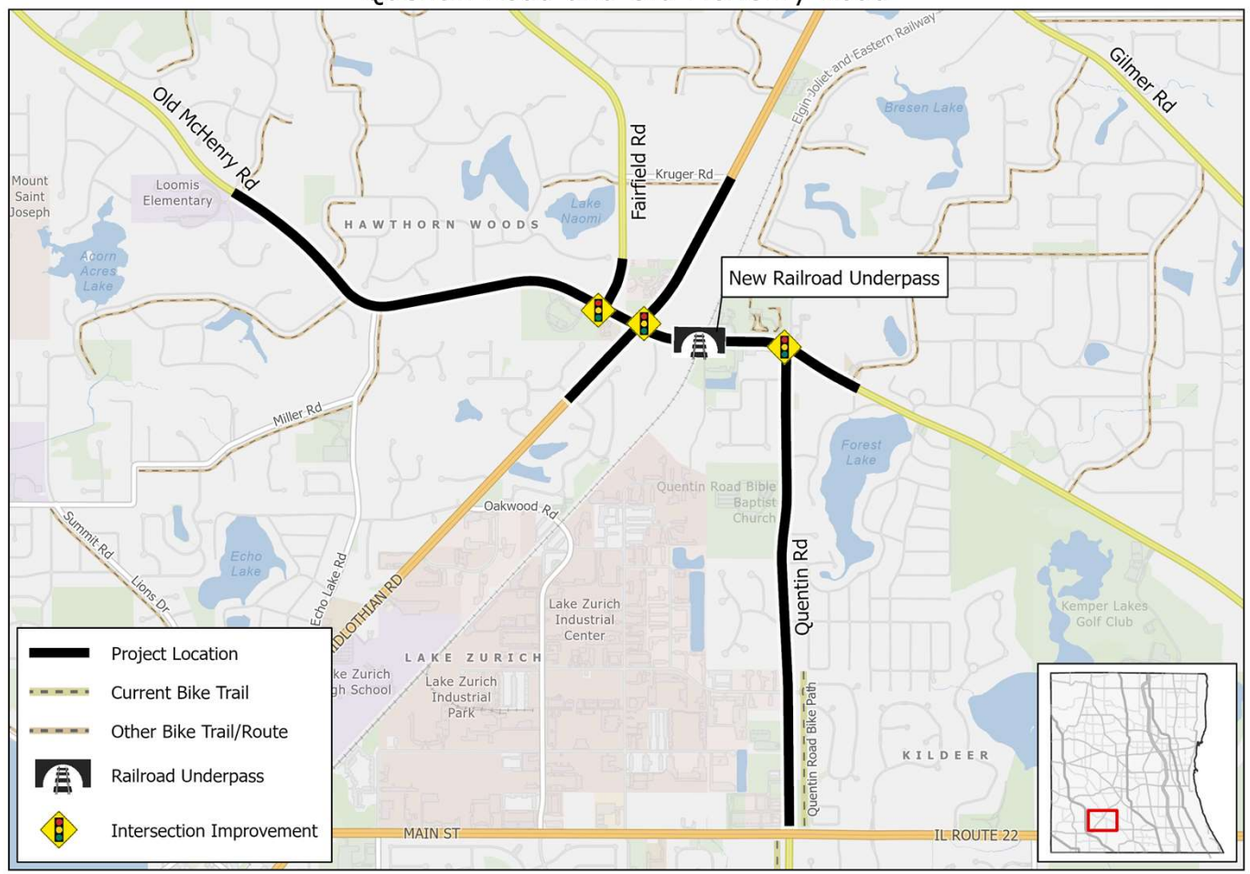


Traffic pattern arrows depict AM peak traffic flow.

Project Plan

- **Upgrade Old McHenry Corridor**
  - Improve intersections
  - Grade separated rail crossing
  - Enhance safety
- **Upgrade Quentin Corridor**
  - Improve traffic flow
  - Enhance safety
- **Consider Non-motorized Facilities**
  - Many potential connections to regional trails and destinations
- **Context-sensitive Solution**
  - Collaborative design approach
  - Considers community and natural environment

Location Map
Quentin Road and Old McHenry Road



Coordination Requirements

- Federal Project Development and National Environmental Protection Act (NEPA) Processes
- Environmental Evaluation and Coordination
- Stormwater Management Solutions and Coordination
- Robust Stakeholder and Public Outreach

Professional Services Contract Review Process

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Contract Comparisons: Similar Projects

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Project involves RR grade separation and roadway widening

- **Phase I costs for similar railroad grade separation projects:**
  - Rollins Rd Gateway (LCDOT): $3.6M
  - US14 at CN RR (Barrington): $4.0M
- **Phase I costs for similar roadway widening projects:**
  - Deerfield Rd, IL21 to Saunders (LCDOT): $2.3M, 2 miles
  - Richmond West Bypass US 12 (IDOT): $3.3M, 4.4 miles

Note that project costs shown are adjusted to 2021 dollars

Preliminary Schedule

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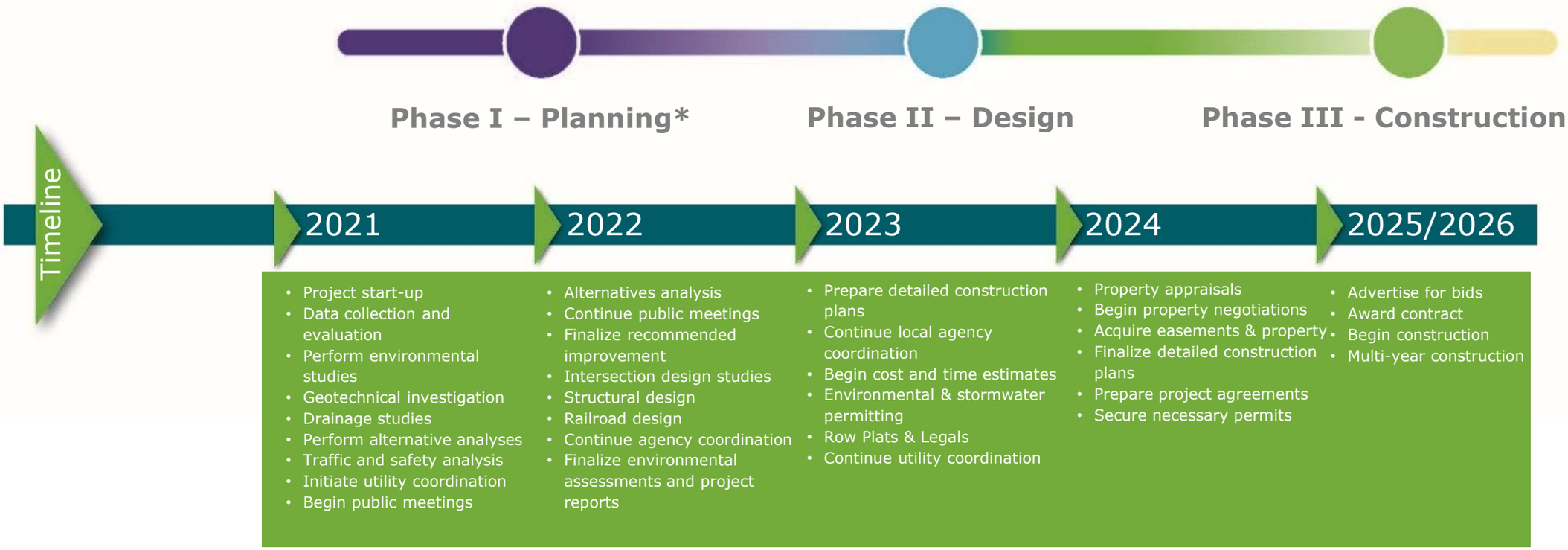

** This contract is for Phase I engineering. Locally funding Phase I/II engineering will allow some elements to be done concurrently, reducing the overall project schedule.*

Thank You!

Questions