

Algonquin Road at UPRR Grade Separation

Des Plaines City Council Meeting
March 20, 2023

Purpose of Presentation

1. Project History

- Validation Study (2008)
- Feasibility Study (2009)
- Phase 1 Preliminary Engineering (2022)

2. Proposed Improvements

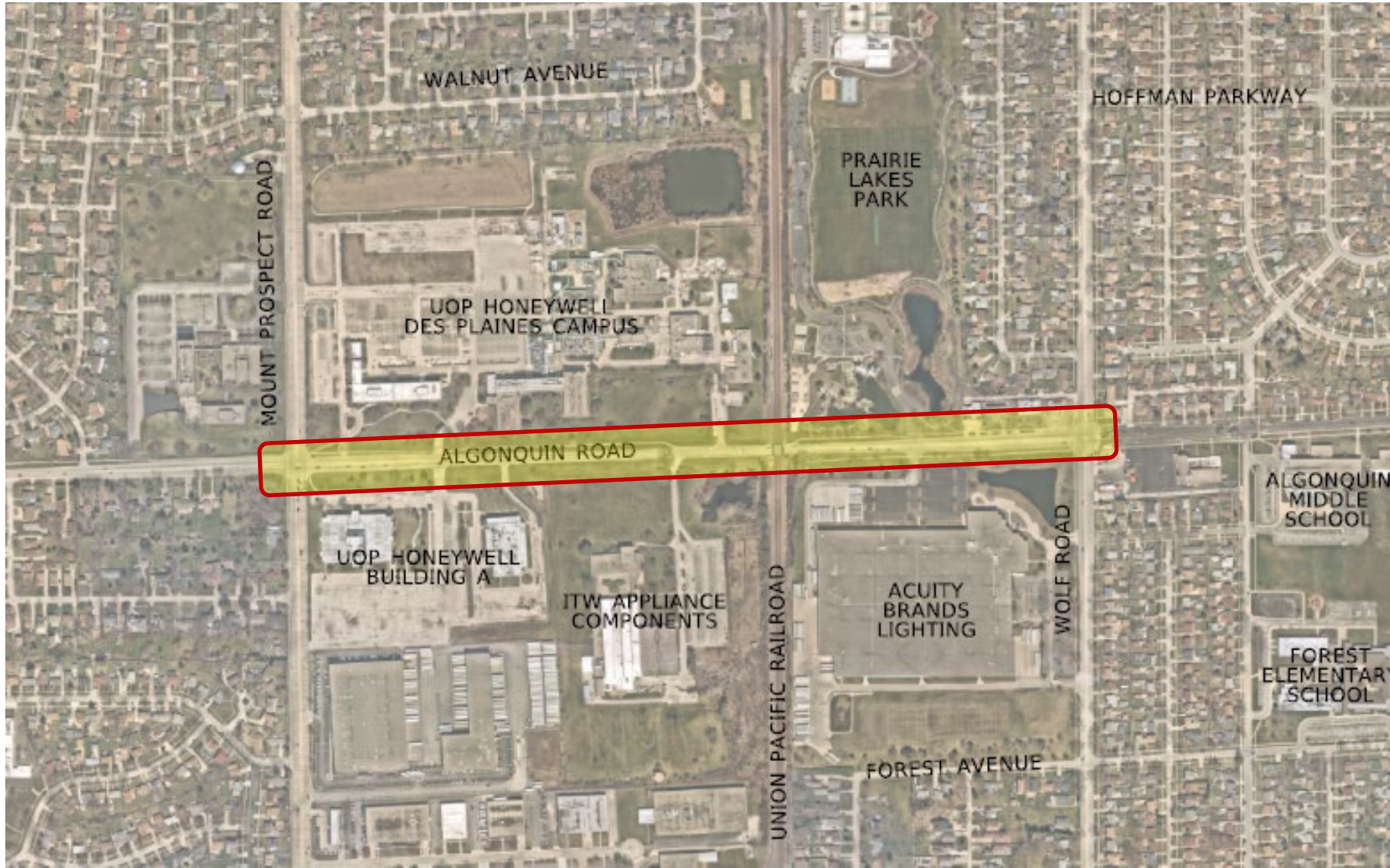
3. Current Status

4. Park District Impacts

5. Next Steps



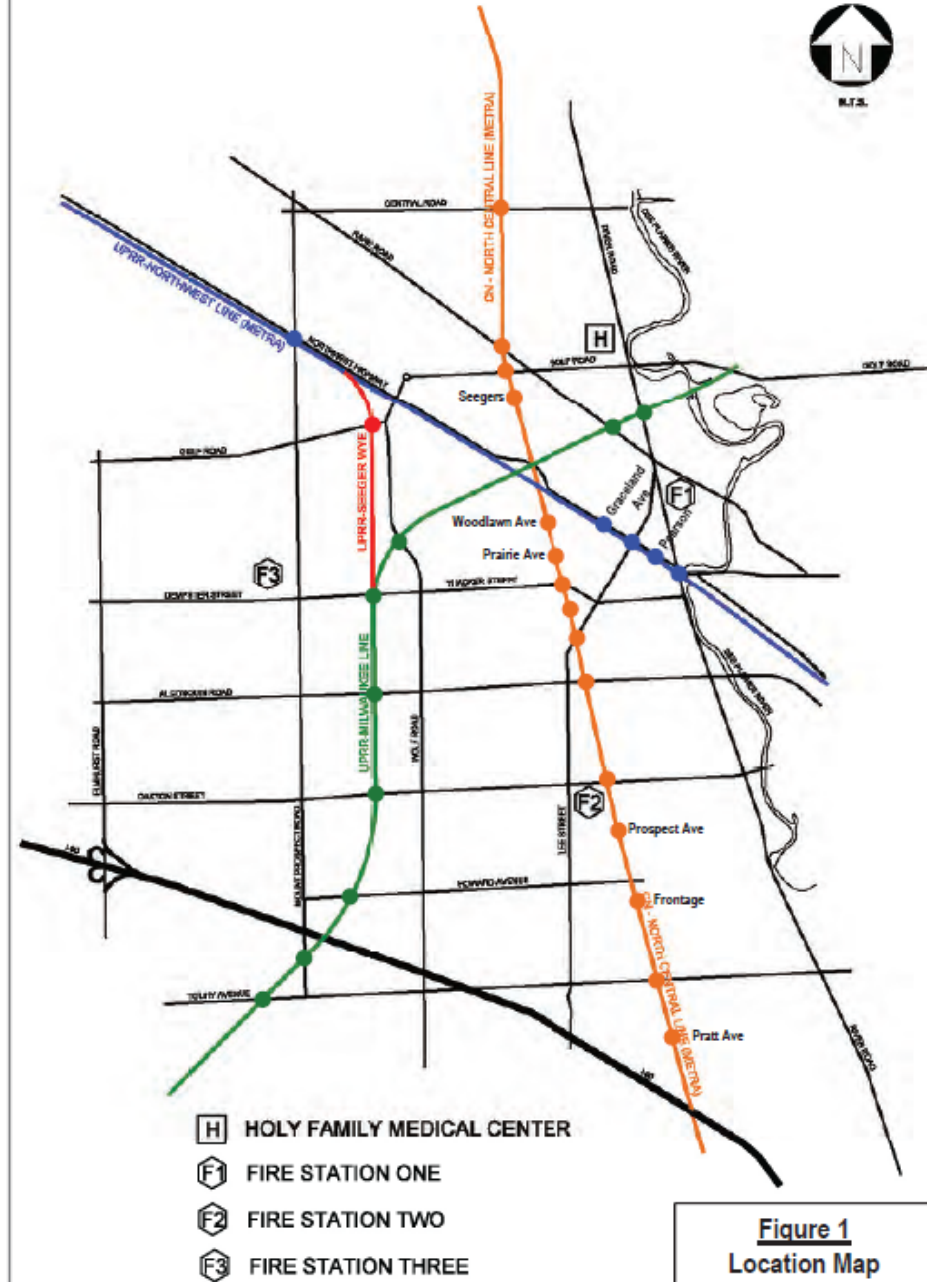
Project Location



Validation Study

1. 31 public at-grade crossings in Des Plaines
2. Railroad Mainline Analysis
 - UP-Milwaukee critical railroad
 - UP-Milwaukee line has 4 of top 5 crossings in vehicle delay
3. Street Crossing Analysis
 - Emergency Response
 - Residential Impacts
 - Commercial Impacts
4. Recommendations
 - Algonquin Road at UP-Milwaukee crossing
 - Least impacts for most congestion reduction

City of Des Plaines



Feasibility Study

1. Purpose and Need

- Purpose to provide an unimpeded through route
- Need to reduce emergency response delays and traffic delays

2. Alternatives

- Alternative 1 – Proposed Algonquin over UPRR (Overpass)
- Alternative 2 – Proposed Algonquin Under UPRR (Underpass)

3. Selection Factors

- Geometrics, Traffic, Constructability
- Impacts to Adjacent Properties, Costs

4. Public Involvement

- Adjacent Property Owners Informational Meeting
 - Des Plaines Park District
 - Juno Lighting
 - ITW Appliance Components
- Union Pacific Railroad



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Final Feasibility Study

January 2009

Proposed Railroad Grade Separation
Algonquin Road and Union Pacific Railroad/Milwaukee Subdivision
Mt. Prospect Road to Wolf Road
City of Des Plaines

Prepared for:

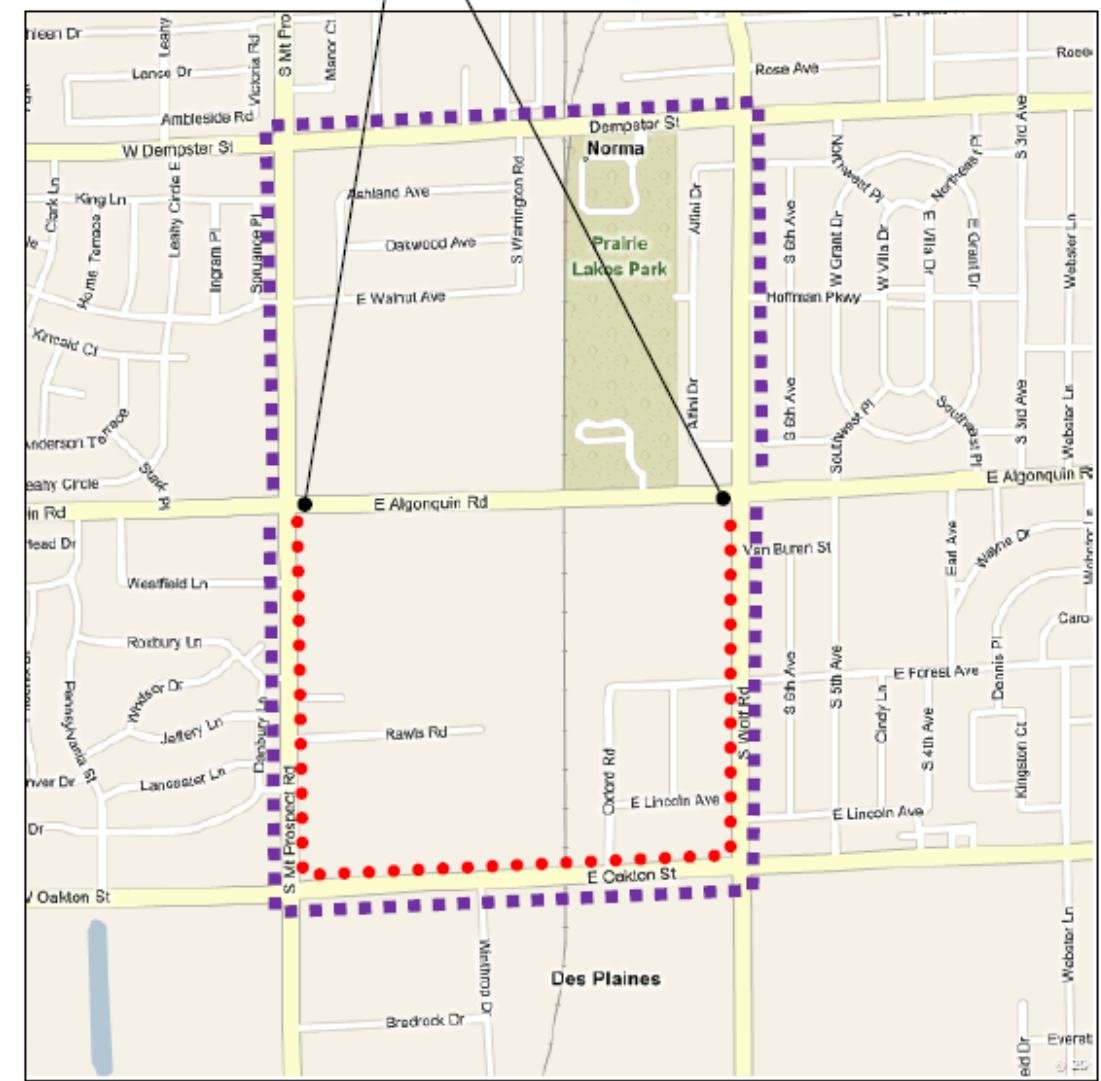
City of Des Plaines
Illinois Department of Transportation
Union Pacific Railroad

Feasibility Study

Detour Route

1. Close Algonquin Road to Thru Traffic
2. Maintain Local Access
3. Truck Detour Route
4. All Vehicle Detour Route

Algonquin Road Closed
To Through Traffic
Mt Prospect Road to Wolf Road



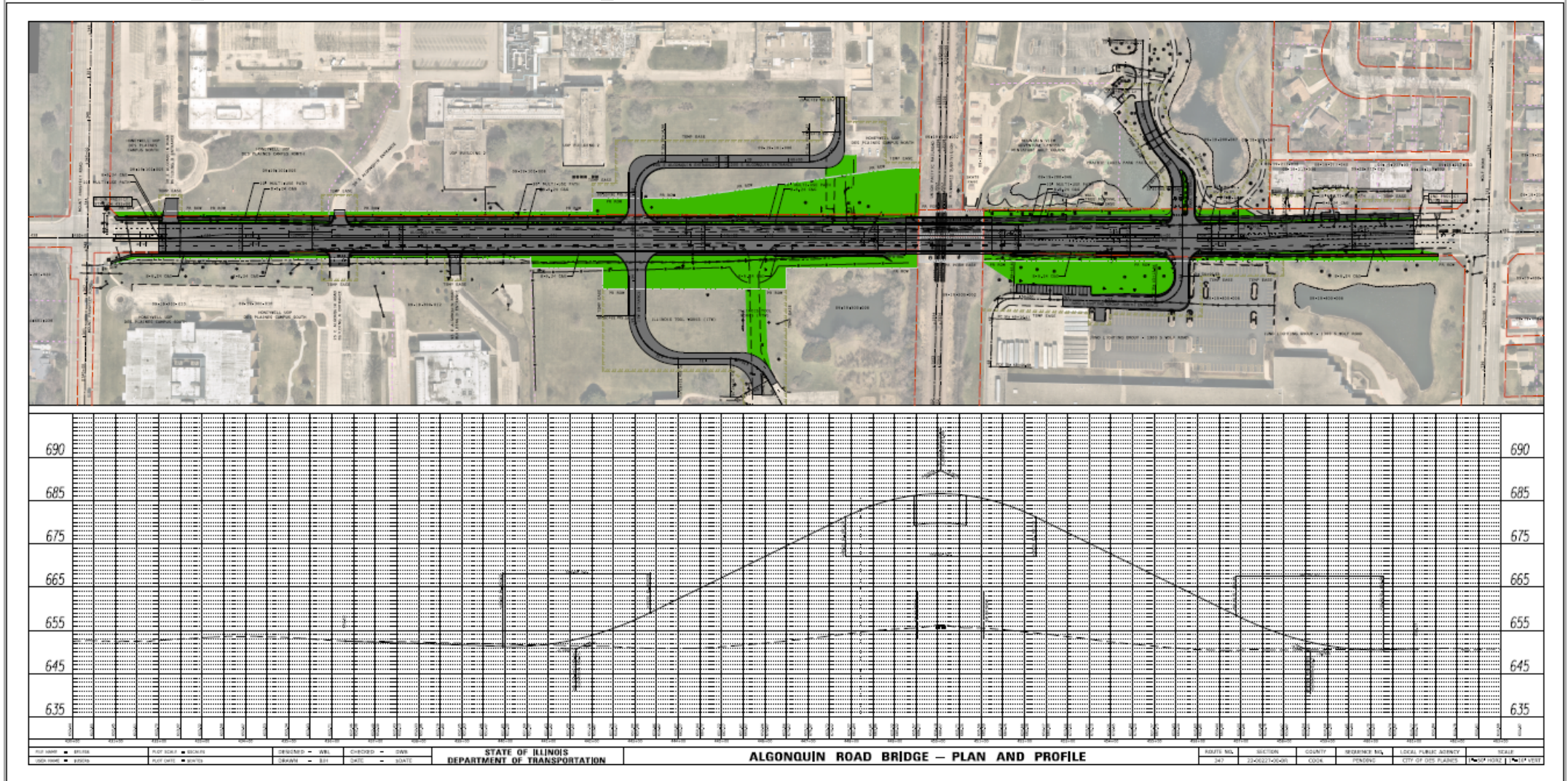
Legend

- Detour Route: Suggested Truck Route
- ■ ■ ■ ■ Detour Route: All Vehicles Except Trucks

Preliminary Schedule

Item	Date
Phase 1 Kick-off with IDOT	August 2022
First FHWA/IDOT Coordination Meeting	June 2023
Categorical Exclusion Concurrence	July 2023
Design Variance Concurrence	September 2023
Section 4(f) Acceptance	January 2024
Draft Phase 1 PDR to IDOT	February 2024
Public Information Meeting	April 2024
Submit Final PDR to IDOT	August 2024
Phase 1 Design Approval	October 2024
Submit Phase 2 Design Agreement to IDOT	October 2024
Phase 2 and ROW Kick-off with IDOT	April 2025
Submit plats and legals to IDOT	August 2025
IDOT's approval of plats/legals	September 2025
Submit ROW agreement to IDOT	October 2025
Anticipate ROW agreement authorization	April 2026
Begin appraisals	April 2026
Begin property owner negotiations	July 2026
Submit pre-final PS&E	September 2027
Submit initial-final PS&E	November 2027
Submit draft construction agreements	November 2027
ROW Acquisition Complete	January 2028
Construction Letting	March 2028
Award contract	April 2028
Pre-construction meeting	April 2028
Begin construction	May 2028
Construction complete	November 2029

Proposed Improvements



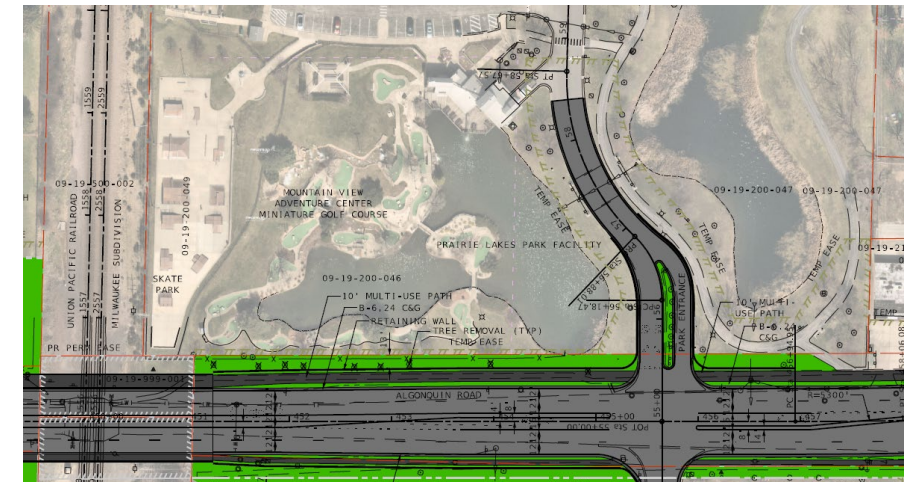
Current Status

1. Finished topographic survey and geotechnical survey (soils borings and pavement cores)
2. Preparing funding applications
3. Coordinating with UPRR, property owners, and utilities
4. Meeting with IDOT
5. Preparing Traffic and Safety Analysis

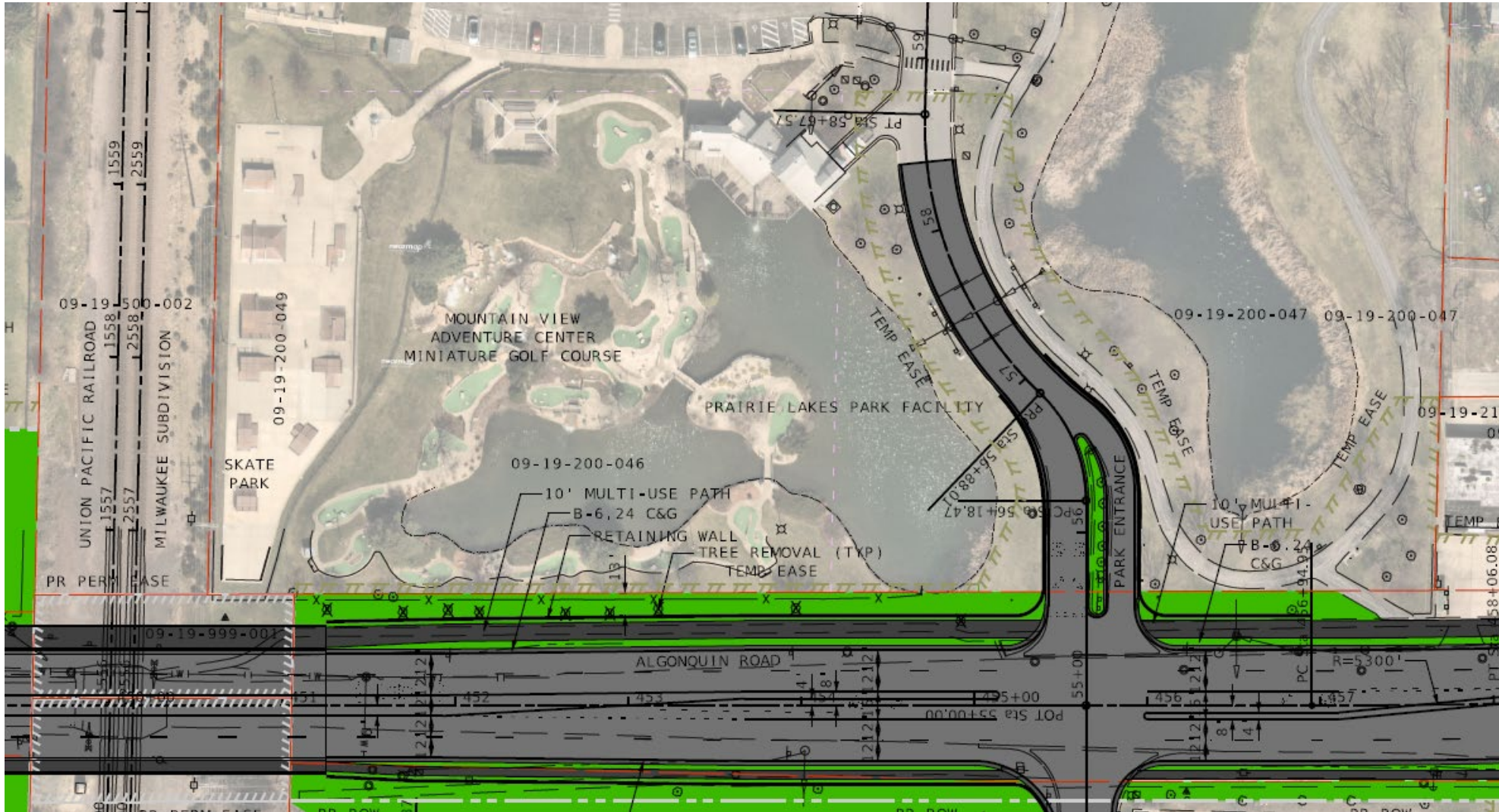


Park District Impacts

1. Mountain View Adventure Center and Prairie Lakes at 510 E. Algonquin Road
2. Section 4(f) of U.S. Department of Transportation Act of 1966 (Consideration of Parks and Recreational Lands)
3. Reconstruction of Entrance 300 feet North of Algonquin Road
4. Requires Temporary Construction Easements (expire at end of construction)
5. No Permanent right-of-way acquisition anticipated
6. Plat, appraisal, offer, and negotiations in Phase 2
7. No cost to Park District
8. Proposed retaining walls on Algonquin Road set back 13 feet from southern property line of Park District



Proposed Improvements



Park District Improvements

1. Multi-use Path on North Side of Algonquin Road
2. Landscaping Features along Retaining Walls
3. Decorative Form Liners on Retaining Walls
4. Decorative Railings on Bridge and Retaining Walls
5. Additional Wayfinding Signs



Design Visualizations



Looking south from Mountain View Adventure Center

Design Visualizations



Design Visualizations



Looking east at Bridge over Union Pacific Railroad

Design Visualizations



Next Steps



- 1. Determine Project Limits**
- 2. Request Environmental Clearances**
- 3. Coordinate with UPRR**
- 4. Coordinate with Property Owners**
- 5. Coordinate with Park District**
- 6. Develop Preferred Improvement Plan**

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