PUBLIC MEETING

JUNE 24, 2025









Project Introduction Purpose and Need 2

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- **Roundabout Benefits** 6

Public Input and Feedback



IL 173 AT GILEAD AVENUE/21ST STREET NTERSECTION IMPROVEMENT PROJECT | PUBLIC MEETING

Project Development Process

Existing Conditions

Intersection Improvement Alternatives









Beulah Park Elementary School

ILLINOIS

Ave

Gilboa

22nd St

173



20th St

PACE Bus Stop

STUDY AREA

• IL Route 173 at Gilead Avenue/21st Street

• Located in the City of Zion, Lake County

• Project Length: 0.55 miles

• Average Daily Traffic: **O IL 173:** 6,400 to 9,600 vehicles per day

O 21st Street: 3,600 vehicles per day

• Gilead Avenue: 400 vehicles per day



PURPOSE AND NEED













IDOT PROJECT DEVELOPMENT PROCESS

Preliminary Engineering and Environmental Study

PHASE

We are here

This project is not currently included in the Department's FY 2025-2030 Proposed Highway Improvement Program. However, the project will be considered for alternative funding such as Highway Safety Improvement Program (HSIP) funding after Phase I is completed.



173 AT GILEAD AVENUE/21ST STREET INTERSECTION IMPROVEMENT PROJECT | PUBLIC MEETING

Contract Plan Preparation and Land Acquisition

PHASE

18-24 months



PHASE

Construction

18-24 months



-> EXISTING CONDITIONS







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Safety Concerns Pedestrian Access Existing Roadway Condition



-> EXISTING CONDITIONS

- Two-way stop controlled intersection at 21st Street and Gilead Avenue
- One lane in each direction with a northbound right turn lane along 21st Street
- Suburban section with 4-foot paved shoulders and curb and gutter at intersection
- O Robert McClory Bike Path to the west and south of intersection











CRASH ANALYSIS 2019-2023







Severity	2019-2023 Crashes with Injuries
Fatal	0*
Incapacitating	2
Injury Evident	6
Injury Possible	5
roperty Damage Only	33

There were 46 total crashes within the project limits.

***1 fatality in 2017**







PROPOSED INTERSECTION ALTERNATIVES



->INTERSECTION ALTERNATIVES

173

- Left-turn lanes along IL Route 173
- Two-way stop control intersection maintained
- Traffic signal warrants not met
- Roadway resurfacing
- Pedestrian and bicycle improvements
- No right-of-way acquistion





ALTERNATIVE 1: LEFT-TURN LANES



Fllead Ave

EAV DEEL

न्यिदि



->INTERSECTION ALTERNATIVES

- Single-lane mini-0 roundabout with traversable center island
- Smaller footprint than traditional single-lane roundabout
- Promotes continuous traffic flow through intersection
- Lighting improves intersection safety and visibility
- Accommodates tractor-trailer vehicles with encroachment on center island
- Pedestrian and bicycle improvements
- Minimal right-of-way acquisition





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->INTERSECTION ALTERNATIVES

• Traditional singlelane roundabout

- Raised grass center island presents landscaping opportunity
- Promotes continuous traffic flow through intersection
- Lighting improves intersection safety and visibility
- Accommodates tractortrailer vehicles within truck apron
- Pedestrian and bicycle improvements
- Minimal right-of-way acquisition





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ALTERNATIVES EVALUATION

ALTERNATIVE CRITERIA

SPEED REDUCTION

INTERSECTION SKEW AND VISIBILITY

PEDESTRIAN AND BICYCLE SAFETY

CONFLICT POINTS

CRASH REDUCTION FACTOR

INTERSECTION OPERATION

PARCELS IMPACTED

ESTIMATED CONSTRUCTION COST (\$M)







BENEFISOF **ROUNDABOUT INTERSECTIONS**

ROUNDABOUTS INCREASE SAFETY

- 75% fewer conflict points than four-way intersections
- 75% reduction in injury crashes
- Up to 90% reduction in fatalities
- 40% reduction in pedestrian crashes

ROUNDABOUTS INCREASE INTERSECTION EFFIENCY

• 30-50% increase in traffic capacity

ROUNDABOUTS ARE COMMUNITY FRIENDLY

- Reduce pollution and fuel caused by congestion
- Lessen need for long term storage lanes
- Calm traffic
- Aesthetic landscaping



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• 8 Vehicle Conflicts **8** Pedestrian Conflicts



32 Vehicle Conflicts **24** Pedestrian Conflicts



->LAND ACQUISTION Land Acquisition Types FEE SIMPLE

• Acquisition of all rights and interest

PERMANENT EASEMENT

- Ownership retained by the property owner
- Agency is allowed permanent use of the property for construction and future maintenance

FEMPORARY EASEMENT

- Ownership retained by the property owner
- Agency is allowed temporary use of the property to construct the project

IDOT will strive to minimize the need to acquire property

IDOT's process for land acquisition complies with the federal Uniform Relocation and Assistance and Real Property Acquisition Policies Act (URA).



LAND ACQUISITION PROCESS

OWNERSHIP DETERMINATION

APPRAISAL

NEGOTIATION

ACQUISITION





Mail or email questions and/or comments

COMMENTS DUE JULY 15, 2025

For more information go to idot.click/ il173 21st

INFORMATION

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