

Shopiere Road Corridor Study

Public Information Meeting #3

Beloit Public Library

Tuesday, March 11, 2025

Presentation Agenda



Introductions



Project Goals



Project Tasks



Preferred
Alternatives

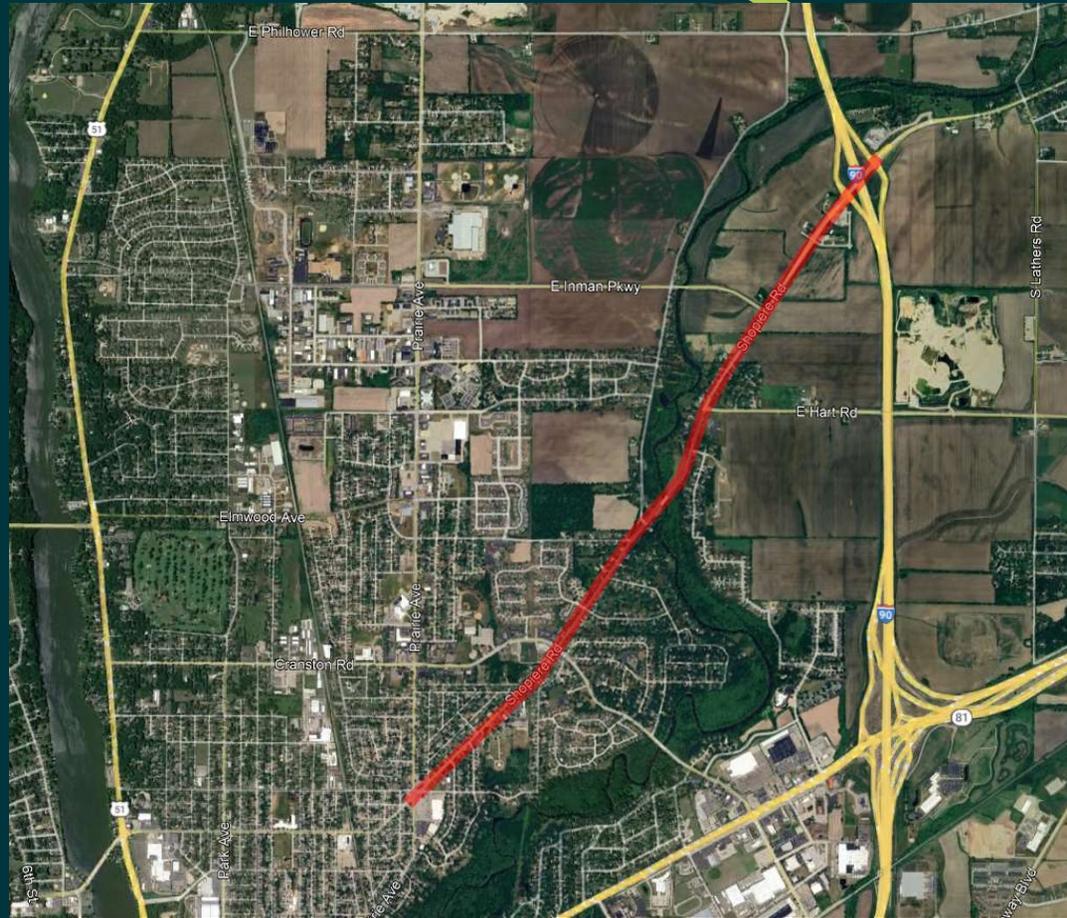
Introductions



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Transportation Study (SLATS MPO)
Project Manager**

**Lee Gibbs, AECOM
Consultant Project Manager**

Project Study Area



Source: Google

Project Goals

- Evaluation of traffic safety, traffic operations, access, and multimodal accommodations
- Recommend improvements to the corridor to optimize safety and mobility while balancing access and multimodal needs
- **There are no construction projects associated with any recommendations from this study**



Project Tasks



Preferred Alternatives

- Preferred alternative balance the needs of mobility, safety, access, and multimodal accommodations
 - Based on existing and future-year traffic operations, traffic safety, long-range plans, study goals, and public feedback
- Each alternative, including the preferred alternative, has advantages and disadvantages (trade-offs)

Preferred alternative does not have a timetable for implementation – it is only a recommendation

Illustrations are concept-level detail only and not definitive or binding



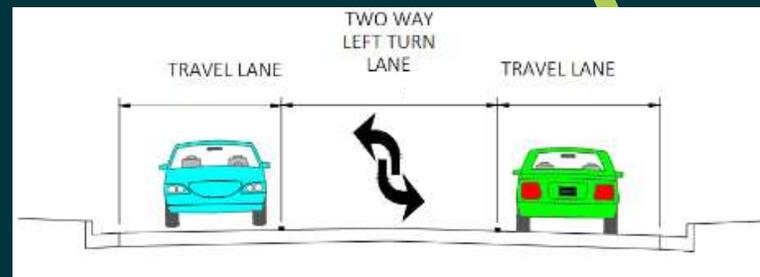
Preferred Alternatives

Shopiére Road corridor (Moccasin Trail through Hart Road)

Maintain four travel lanes



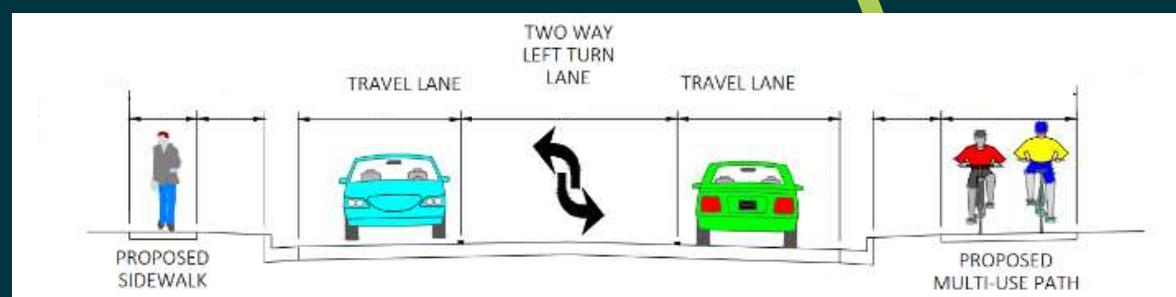
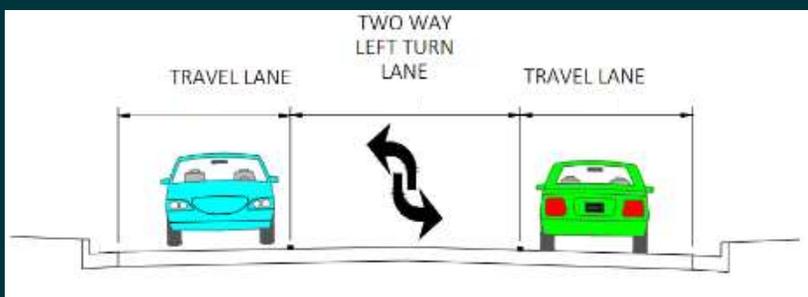
Provide three lanes



Preferred Alternatives

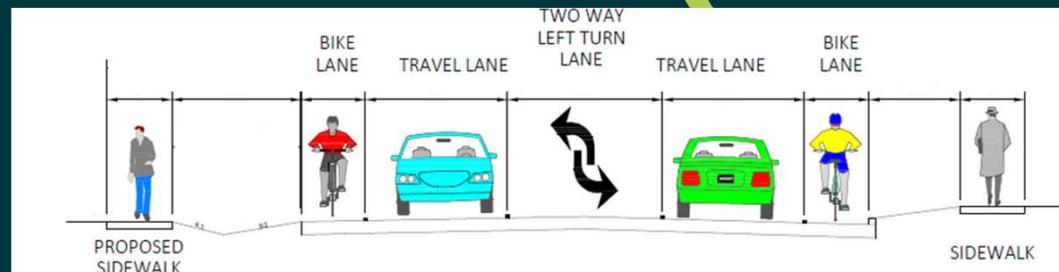
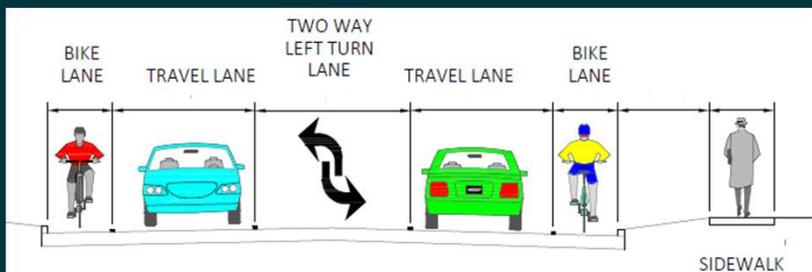
Shopiere Road corridor

- Promotes lower speeds by providing one travel lane
- Provides protection for left-turning vehicles
- Provides multimodal accommodations
- Three-lane cross-section can be constructed within roadway cross-section
- Sidewalks / multi-use paths may require right of way to construct
 - Requires more investigation / coordination before implementation



Preferred Alternatives

Shopierye Road corridor (Moccasin Trail to Schuster Drive)

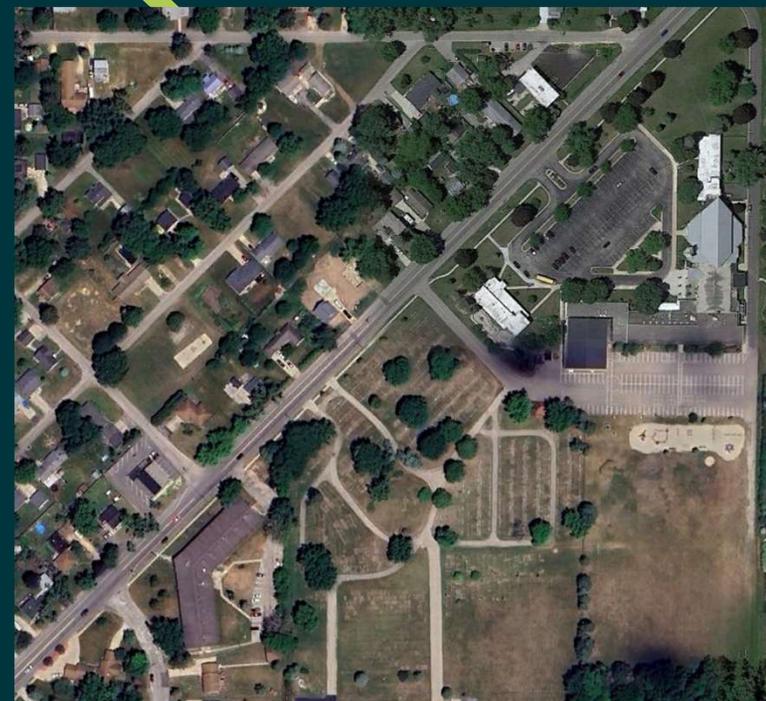


Preferred Alternatives

Shopiere Road corridor (Moccasin Trail to Schuster Drive)

Potential alternatives

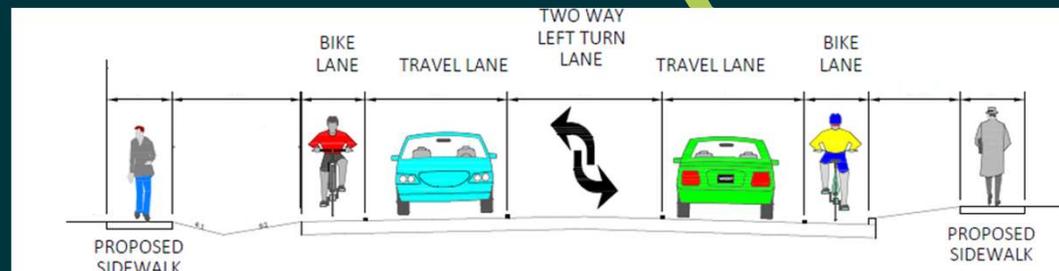
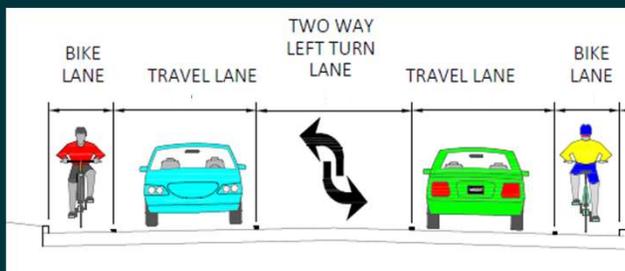
- Build on-street parking in terrace
 - Shopiere Road and/or Arrowhead Drive
- Leave current cross-section in place
- Install signing / marking elements
 - Speed feedback signs



Source: Google

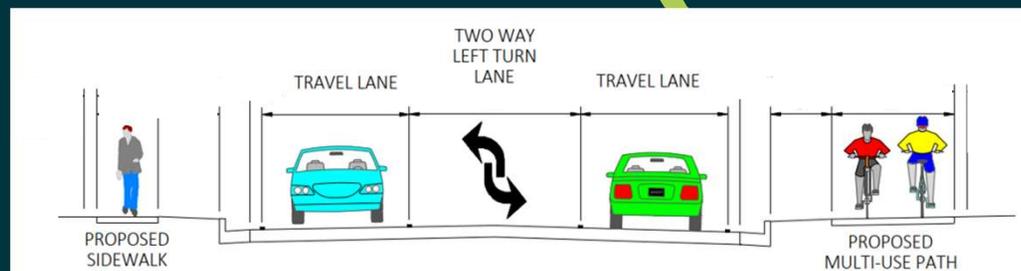
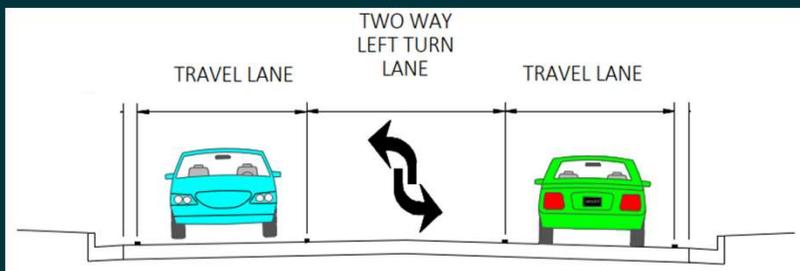
Preferred Alternatives

Shopiere Road corridor (Schuster Road to Cranston Road)



Preferred Alternatives

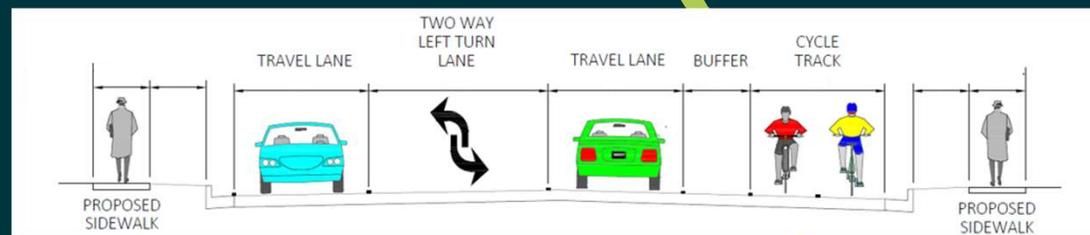
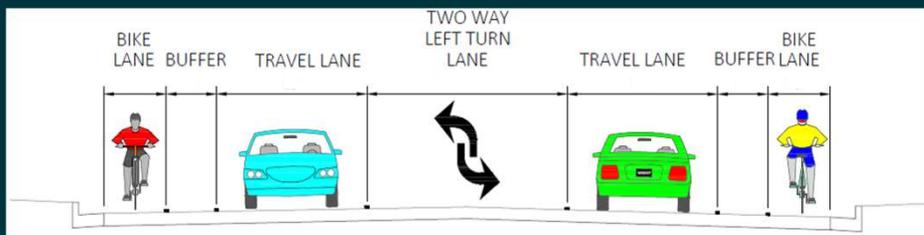
Shopierye Road corridor (Cranston Road to Murphy Woods Road)



Preferred Alternatives

Shopiere Road corridor (Murphy Woods Road through Hart Road)

- Very wide roadway cross-section allows for unique bike accommodations



Preferred Alternatives

Shopiere / Prairie / Bayless / Moccasin intersection (“Triangle”)

Driveway
removal



Driveway +
road removal



Moccasin Trail
realignment



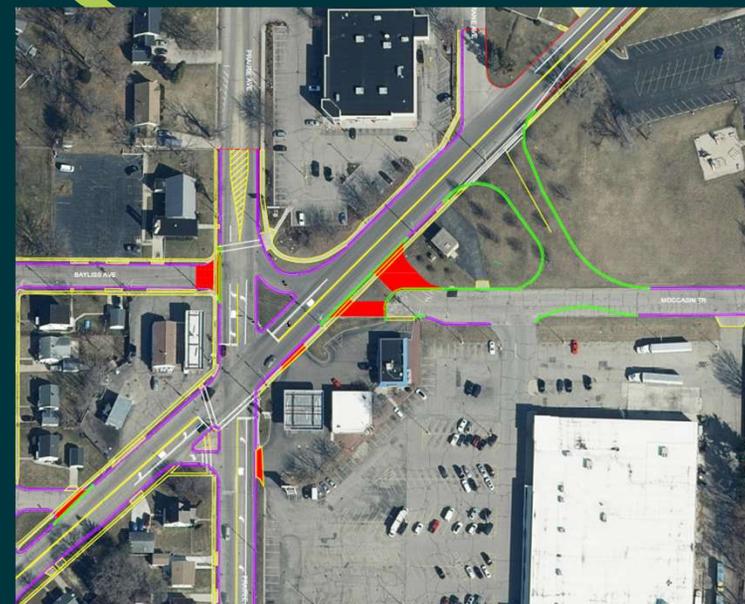
“Peanut”
roundabout



Preferred Alternatives

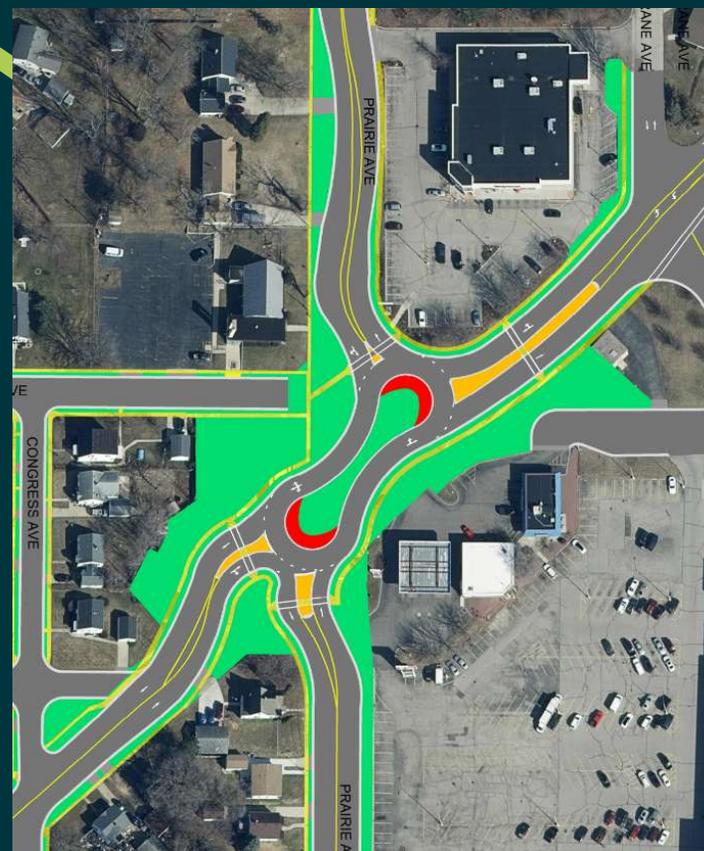
Realign Moccasin Trail as a short-term solution

- Removes driveways and intersections located close to Shopiere and Prairie intersection
 - Improves traffic safety and traffic flow
 - Provides more comfort for pedestrians and bicyclists
- Can be implemented step-by-step
- Requires coordination with local stakeholders affected by alternative



Preferred Alternatives

- “Peanut” roundabout (or similar) as a long-term solution
 - Short-term solutions continue for this alternative (i.e., no throw-aways)
 - Reduces crash severity and travel speeds through area
 - Requires significant coordination and planning to implement



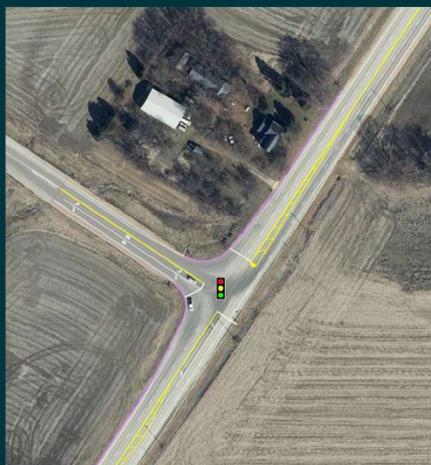
Preferred Alternatives

Shopiere / Inman intersection

All-way stop



Traffic signal



Roundabout



Preferred Alternatives

Shopiere / Inman intersection

All-way stop control for short-term operations

- Provides ability for all vehicles to enter intersection unopposed
 - Improves traffic safety at intersection

Traffic signal or roundabout as long-term options

- Both maintain traffic safety and traffic flow as traffic increases
- Dependent on future growth and Inman Parkway extension

Preferred Alternatives

Shopiere / I-39/90 northbound intersection

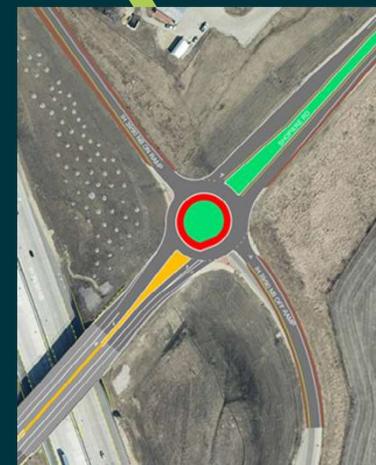
Do nothing



Traffic signal



Roundabout



Preferred Alternatives

Shopiere / I-39/90 northbound intersection

Maintain two-way stop control

- Existing traffic volumes do not warrant upgrade

Upgrade to roundabout (long-term)

- Improves traffic safety and maintains traffic flow as traffic increases
- Dependent on future growth

Preferred Alternatives

Other corridor considerations

- Review roadway for appropriate sight distance
- Review traffic signal equipment for visibility and clarity
- Consider installing multimodal equipment at traffic signals
- Review traffic signal phasing and timing inputs for appropriate
- Review access management to improve safety and mobility
 - Consolidate, cross-access, restrict, remove



Preferred Alternatives

Other corridor considerations

- Refresh /re-apply pavement markings when visibility is diminished
- Consider pavement markings to promote speed limit
- Consider installing bicycle / pedestrian elements to cross Shopiere Road
 - Advanced warning signs, crossing location signs, pavement markings



Questions

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