

HIGHWAY 34 BYPASS IMPROVEMENTS



OVERVIEW

The Highway 34 Bypass (10th Street SW and South Highland Avenue) serves as a major traffic corridor through the City of Madison. With pavement conditions deteriorating, improvements are recommended along approximately two miles of roadway. In coordination with the City of Madison and Lake County, the corridor is proposed for full reconstruction, including new curb and gutter, asphalt surfacing, a shared-use path, and intersection improvements designed to improve safety and traffic flow.

FUNDING

Federal funding presents a valuable opportunity for the City of Madison and Lake County to make significant roadway improvements while minimizing the financial burden on local residents. Pending Congressional approval, this funding would offset a substantial portion of the project costs, allowing both communities to maximize their investment in safer, more reliable infrastructure.

PROJECT BENEFITS

The Highway 34 Bypass reconstruction will improve safety, traffic flow, and connectivity throughout the corridor. Key improvements include:

- Improved Traffic Flow:** Adding turn lanes to reduce sudden stops, traffic delays, and potential crashes.
- Expanded Trail Connectivity:** Incorporating a shared-use path to connect existing trails and support future trail expansion to Lake Herman.
- County Highway 35 Intersection:** Reconfiguring the intersection to improve visibility of oncoming traffic and reduce crash risks.
- Egan Avenue Intersection:** Adjusting roadway elevations to improve sight distance and provide safer turning conditions.
- Roadway Ownership Transition:** Transferring County right-of-way to the City for long-term management.

These improvements will create a safer, more efficient corridor while supporting Madison's future growth and connectivity.



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HIGHWAY 34 'ZONE 1' IMPROVEMENTS

NW 2ND STREET TO 4TH STREET

OVERVIEW

This section of the corridor currently consists of four travel lanes. A three-lane configuration is proposed to improve traffic safety, reduce pavement width, and create space for a shared-use path. This approach, commonly known as a road diet, helps improve traffic flow and reduce conflicts between turning and through traffic.

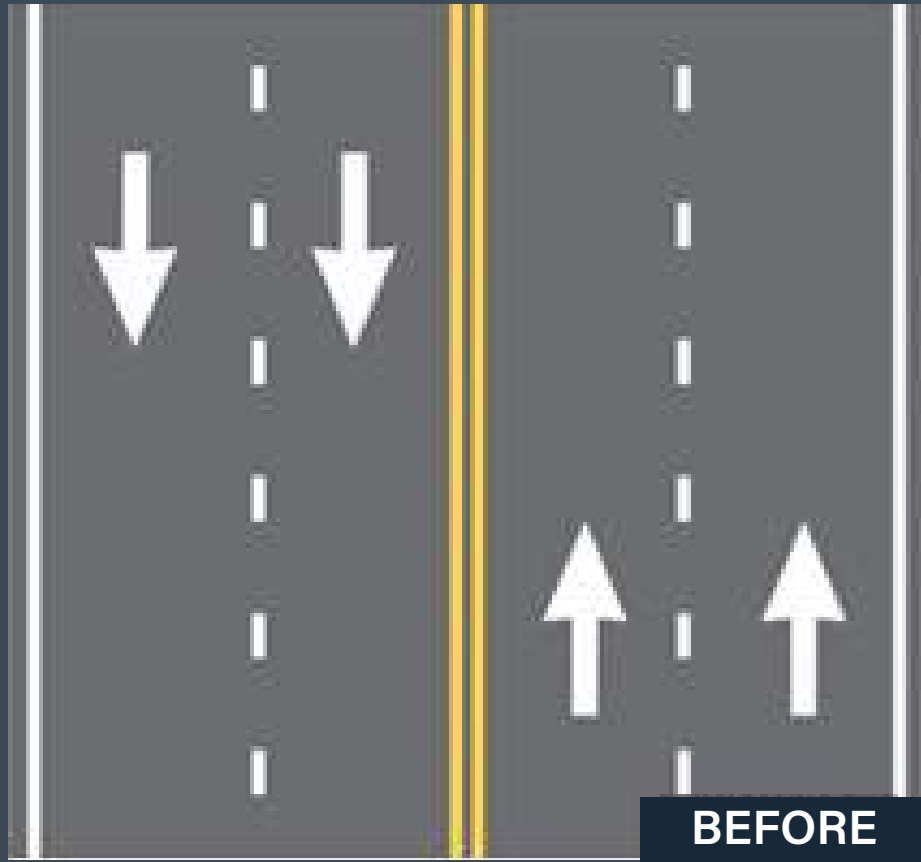
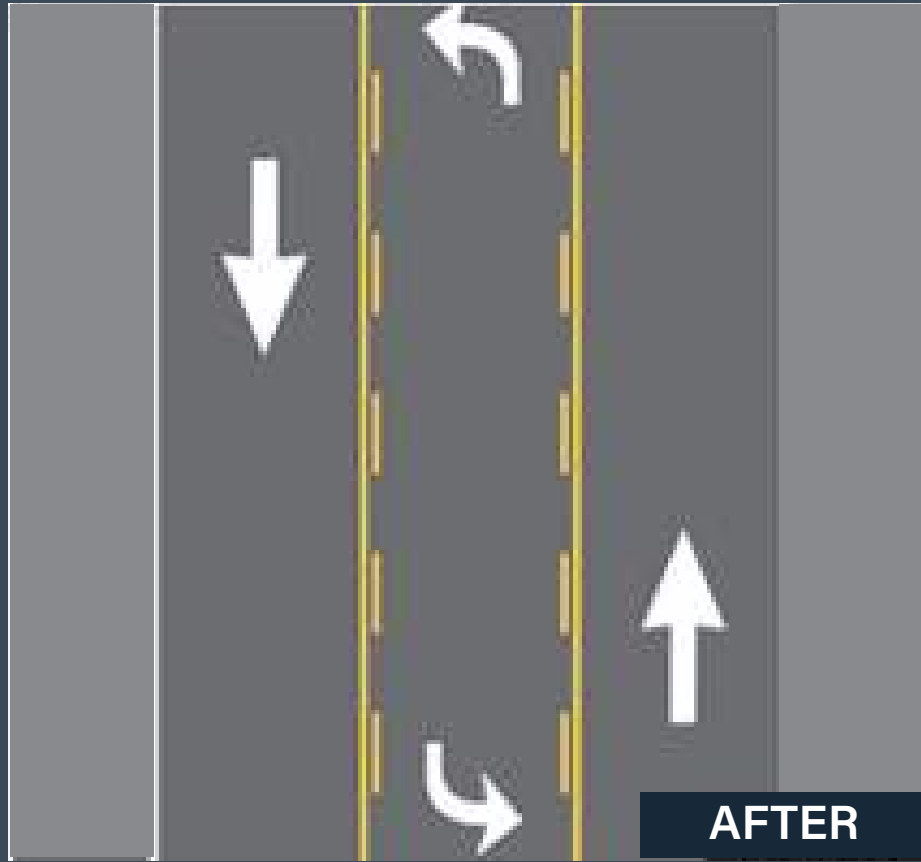
PROPOSED IMPROVEMENTS

Lane Reconfiguration: Convert the existing four-lane roadway to two travel lanes with a center turn lane.

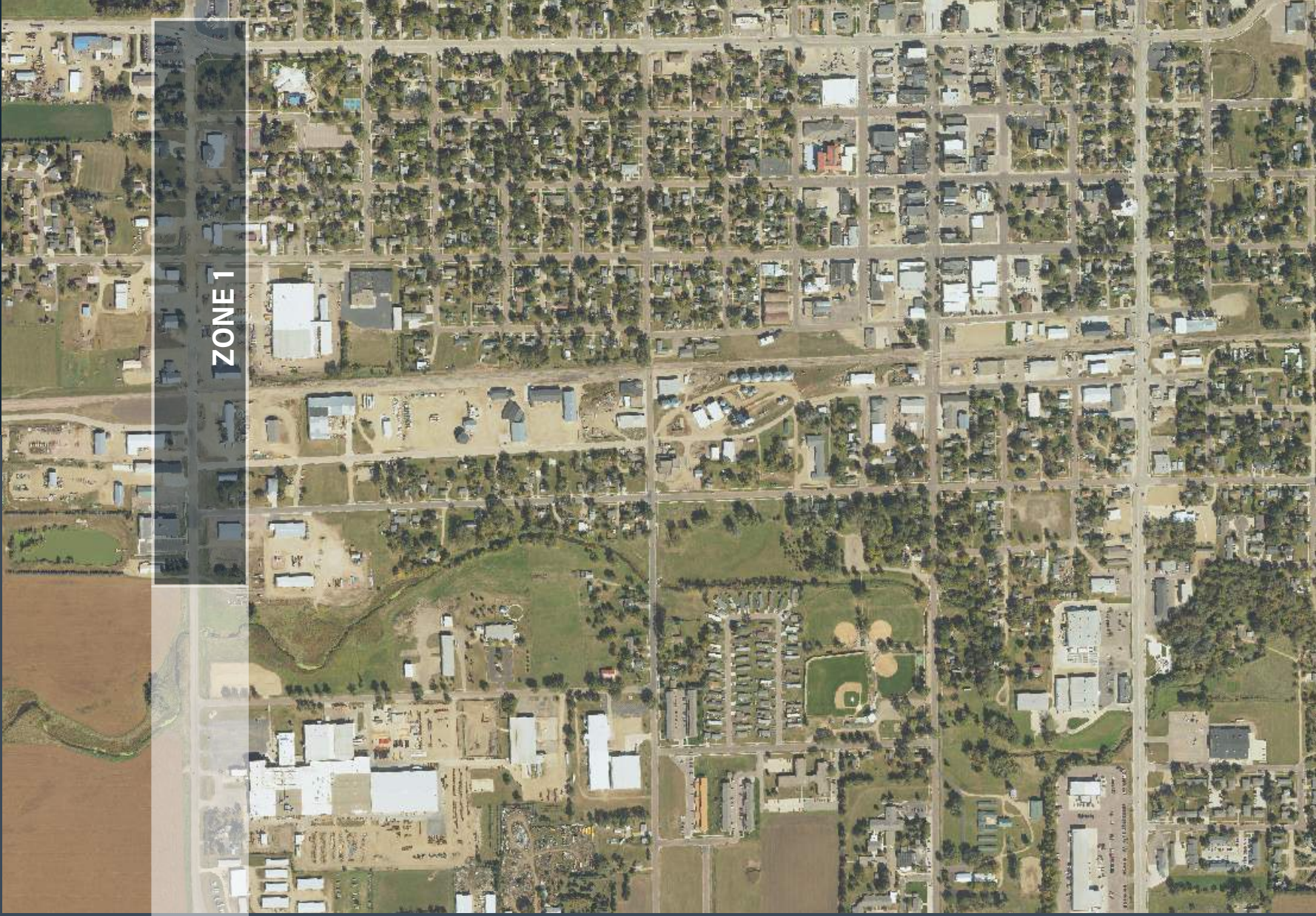
Roadway Transition: Transition from four lanes at Highway 34 to the new three-lane configuration near 1st Street.

Shared-Use Path: Install a path along the east side of the roadway to improve community connectivity and support future trail expansion to Lake Herman. The shared-use path is anticipated to switch to the west side of Highway 34 Bypass just south of City Hall to better connect to Lake Herman and existing shared-use path.

These improvements will create a safer, more accessible corridor for motorists, pedestrians, and bicyclists.



Before and after example of a Road Diet. Source: FHWA



WHAT'S CHANGING?

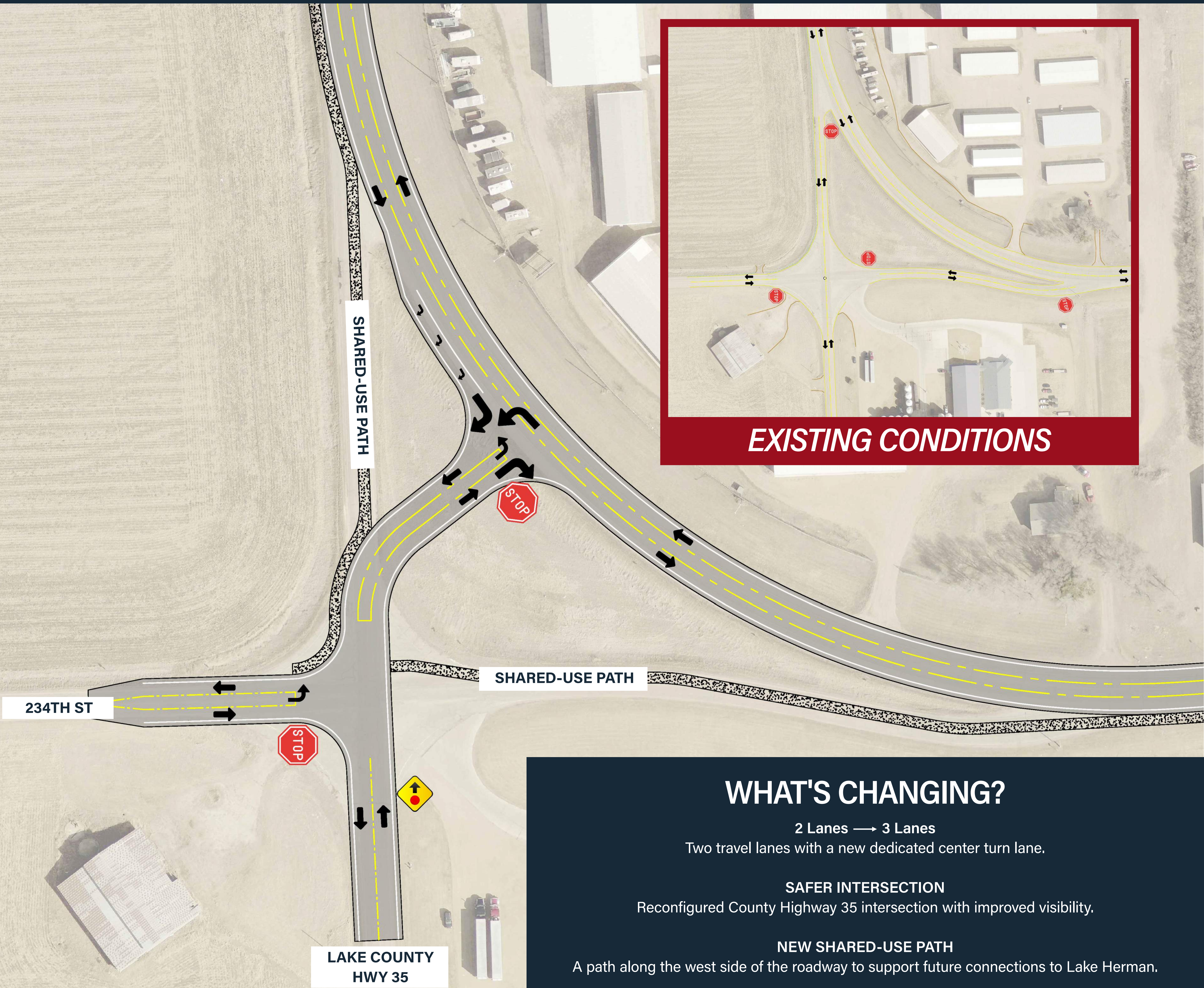
4 Lanes → 3 Lanes
Two travel lanes with a dedicated center turn lane.

NEW SHARED-USE PATH
A path along the east side of the roadway to improve pedestrian and bicycle connectivity.



HIGHWAY 34 'ZONE 2' IMPROVEMENTS

4TH STREET TO COUNTY HIGHWAY 35



WHAT'S CHANGING?

2 Lanes → 3 Lanes
Two travel lanes with a new dedicated center turn lane.

SAFER INTERSECTION
Reconfigured County Highway 35 intersection with improved visibility.

NEW SHARED-USE PATH
A path along the west side of the roadway to support future connections to Lake Herman.



OVERVIEW

This section of the corridor currently consists of two travel lanes without a dedicated center turn lane, creating traffic delays and potential safety concerns. Additionally, limited visibility at the County Highway 35 intersection increases the risk of crashes. Proposed improvements will address these concerns while expanding opportunities for pedestrian and bicycle connectivity.



PROPOSED IMPROVEMENTS

Lane Reconfiguration: Add a dedicated center turn lane to improve traffic flow and reduce conflicts between turning and through traffic.

Intersection Improvements: Reconstruct the County Highway 35 intersection to improve sight lines, increase visibility of oncoming traffic, and reduce crash risks.

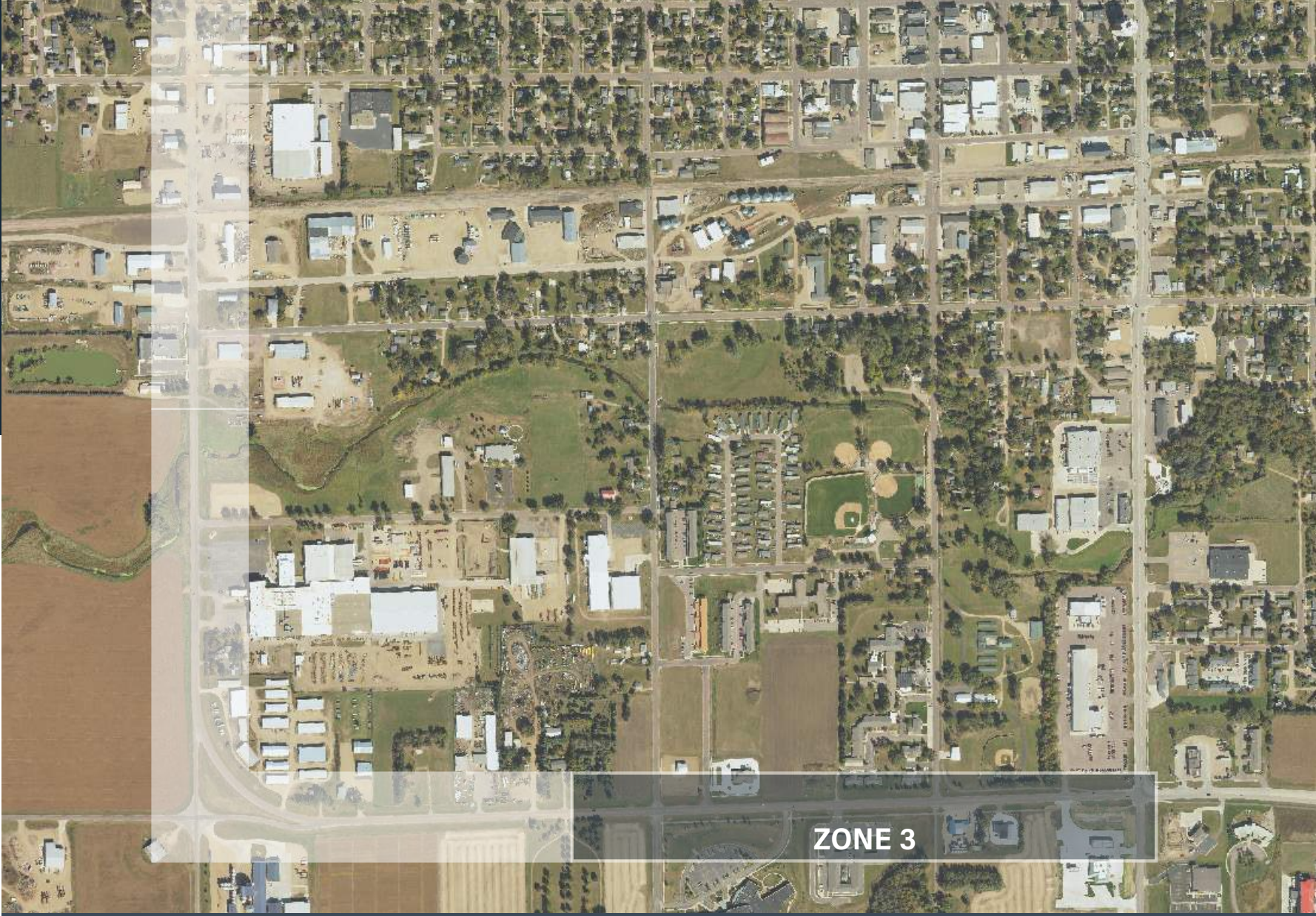
Shared-Use Path: Install a path along the west side of the roadway to improve community connectivity and support future trail expansion to Lake Herman.

These improvements will create a safer, more efficient corridor for motorists while expanding recreational connections throughout Madison.



HIGHWAY 34 'ZONE 3' IMPROVEMENTS

COUNTY HIGHWAY 35 TO WASHINGTON AVENUE



OVERVIEW

This section of the corridor has sight distance concerns at the Egan Avenue intersection, where the existing hill limits visibility for motorists turning onto the bypass. Proposed improvements will address these safety concerns while reconstructing the roadway to improve traffic flow. Coordination with the nearby hospital will also be an important part of project planning.

PROPOSED IMPROVEMENTS

Intersection Improvements: Raise Egan Avenue slightly and lower the hill along the bypass by approximately one foot to improve sight distance and visibility of oncoming traffic.

Roadway Reconstruction: Fully reconstruct the corridor with two travel lanes and a dedicated center turn lane throughout.

These improvements will enhance safety, improve turning movements, and provide a more reliable corridor for motorists.

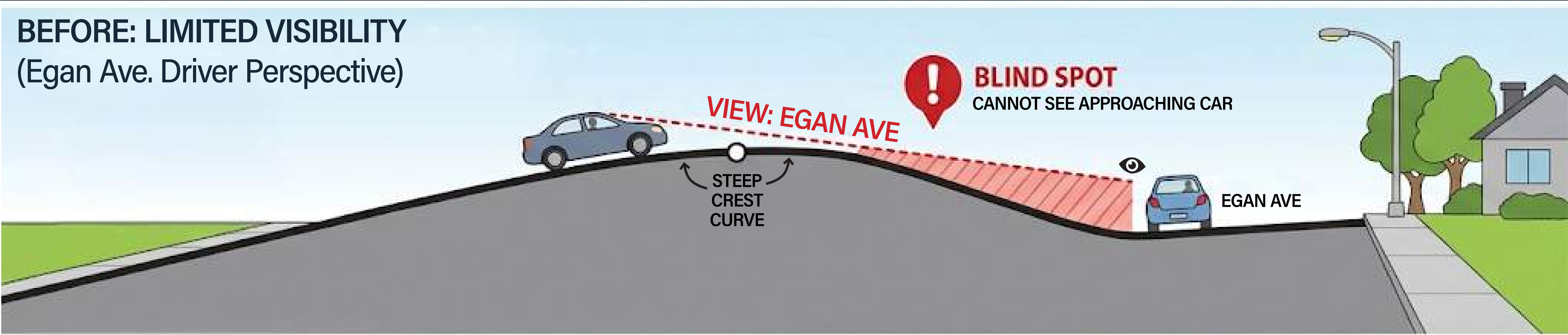
WHAT'S CHANGING?

IMPROVED INTERSECTION VISIBILITY
Roadway elevation adjustments at Egan Avenue to improve sight distance and reduce crash risks.

RECONSTRUCTED ROADWAY
Two travel lanes with a dedicated center turn lane throughout the corridor.

IMPROVING INTERSECTION VISIBILITY: BEFORE & AFTER

BEFORE: LIMITED VISIBILITY
(Egan Ave. Driver Perspective)



AFTER: IMPROVED SIGHT DISTANCE
(Vertical Alignment Adjusted, Egan Ave. Driver Perspective)

