

Welcome!

**Lexington Avenue
(County Road 43), Eagan**

Open House

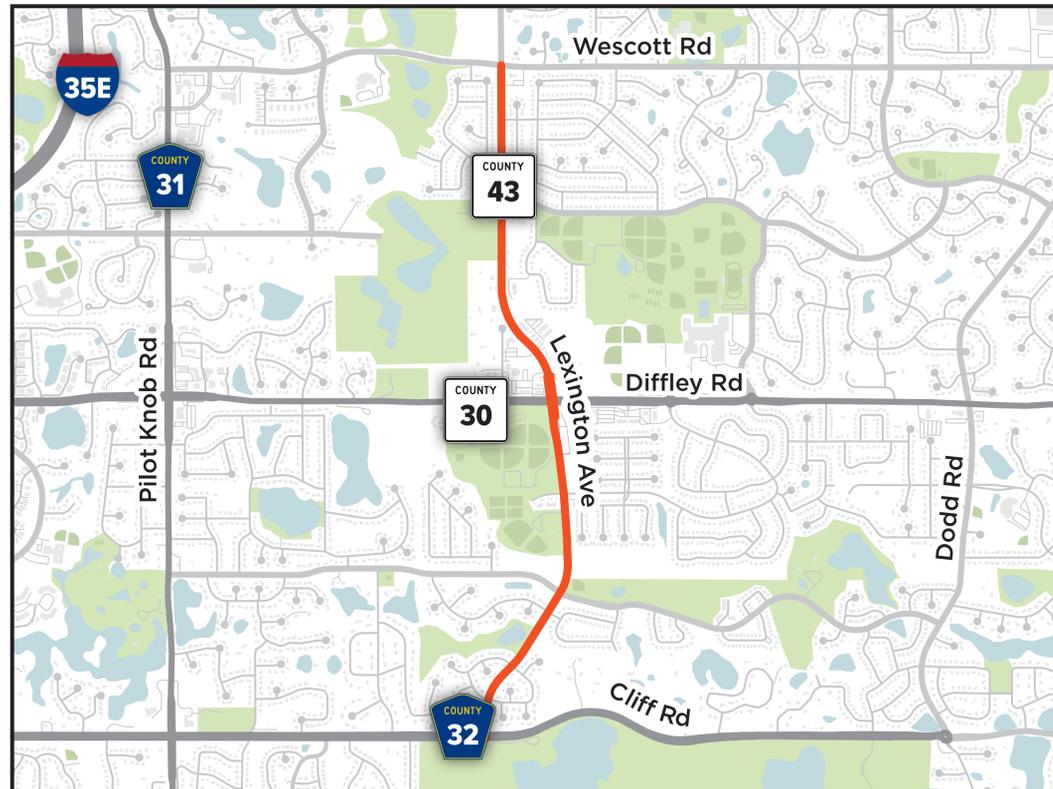


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Project Overview

PROJECT LOCATION

Lexington Avenue (County Road 43) between Cliff Road (County Road 32) and Wescott Road

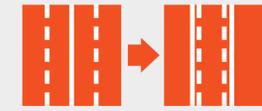


PROJECT GOALS



Resurface

Lexington Ave between Cliff Rd and Wescott Rd



Convert Lexington Ave from 4 to 3 lanes between Diffley Rd and Wescott Rd



Construct accessible **pedestrian ramps**



Resurface trails



Evaluate **pedestrian crossing improvements** near Northview Park Rd



Upgrade the signal system at the Diffley Rd intersection

PROJECT TIMELINE



March to June 2024
Preliminary Design

June to August 2024
Final Design

May 2025
Construction Start

Public Information Meeting #1
WE ARE HERE

Public Information Meeting #2

Project Needs

Infrastructure



▲ *Deteriorating infrastructure needs replacement*

Average Daily Traffic Volumes



▲ *Traffic volumes allow for reduction from 4 to 3 lanes from Diffley Rd to Wescott Rd to improve corridor safety*

Pedestrian Safety



▲ *Pedestrians cross 4 – 5 lanes of traffic, which presents safety issues*

Accessibility

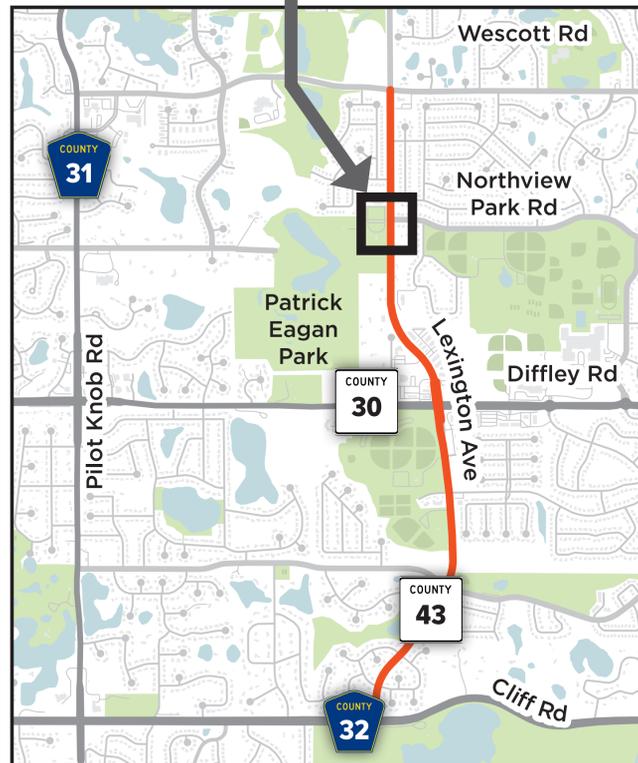


▲ *Improvements needed to construct ADA compliant pedestrian ramps*

Pedestrian Crossing Improvements

Dakota County is evaluating the following strategies to improve pedestrian safety.

Crossing improvements are being evaluated near Northview Park Rd.



4 lane to 3 lane reduction

BENEFIT: Less lanes of traffic for pedestrians to cross



Lighting improvements

BENEFIT: Better night-time visibility for drivers to see pedestrians



Curb extensions

BENEFIT: Shorter pedestrian crossing distance and traffic calming



Rectangular Rapid Flashing Beacon (RRFB)

BENEFIT: High visibility alert for pedestrians in the crossing.



Pedestrian refuge islands

BENEFIT: Provides pedestrians opportunity for a 2-stage crossing, reduces exposure and risk, and provides traffic calming.



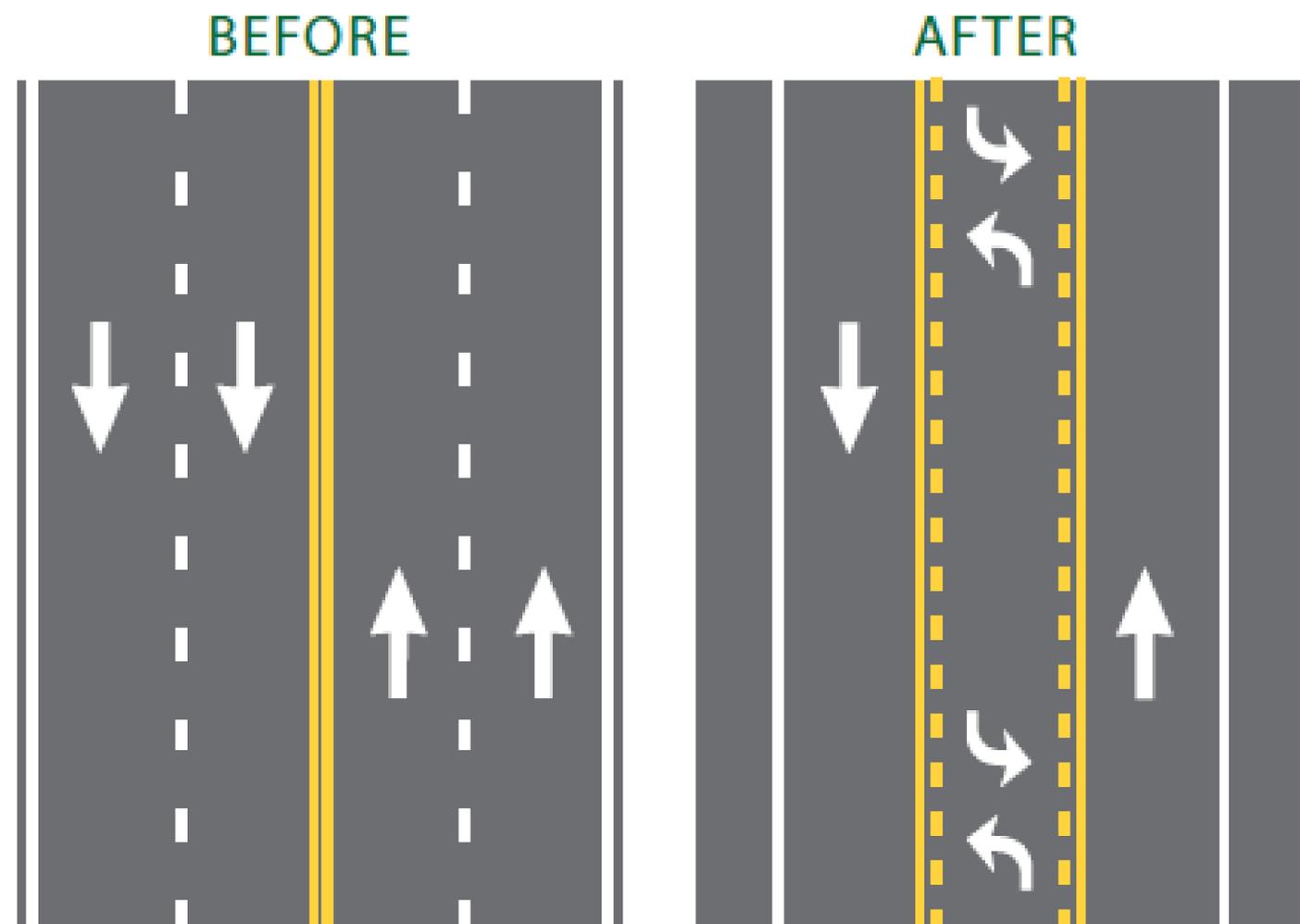
Signing and pavement markings

BENEFIT: Alert drivers approaching crossing locations and delineate crossing location.

Benefits of 4-Lane to 3-Lane Conversion

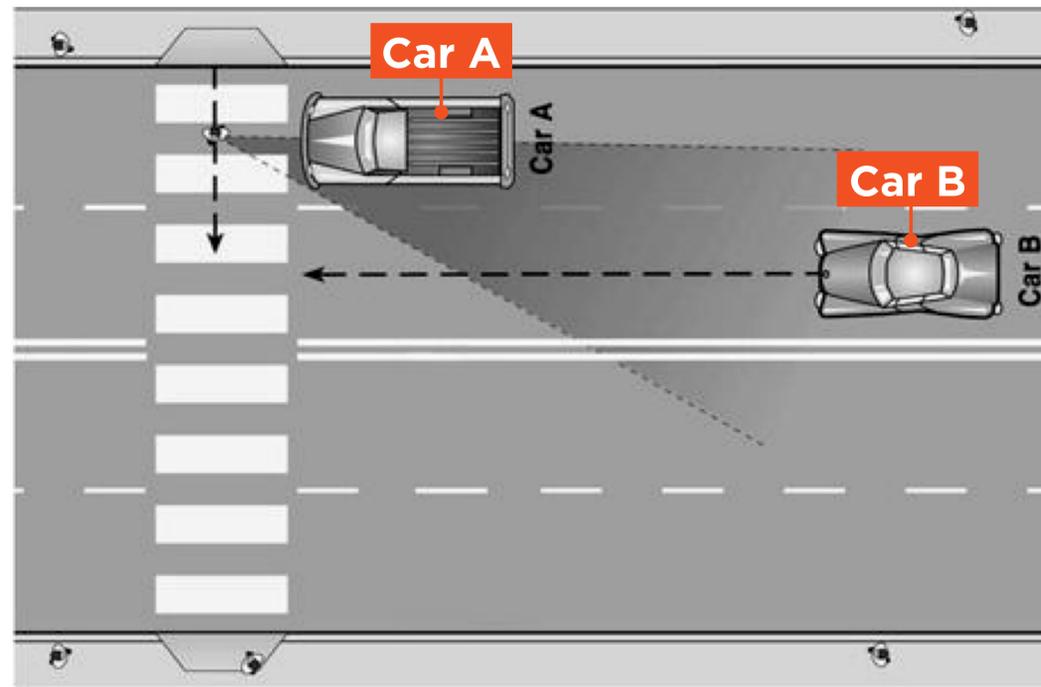
Dakota County and the City of Eagan have identified Lexington Avenue from Wescott Road to Diffley Road as a location where a 4-lane to 3-lane conversion (road diet) would be feasible and beneficial.

- Traffic calming and more consistent vehicle speeds
- Opportunity to install pedestrian refuge islands
- Three-lane roadways typically have lower crash and severity rates than multi-lane roads
- Three-lane roadways allow for safer pedestrian crossings due to shorter crossing distances
- Reduces conflict points and eliminates multiple threat



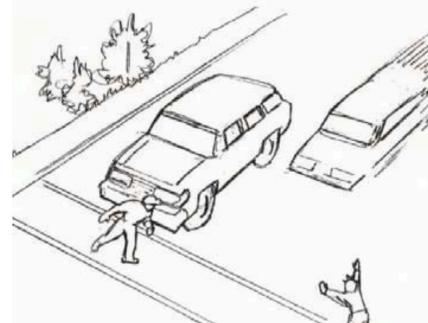
Benefits of 4-Lane to 3-Lane Conversion

Elimination of Multiple Lane Threat



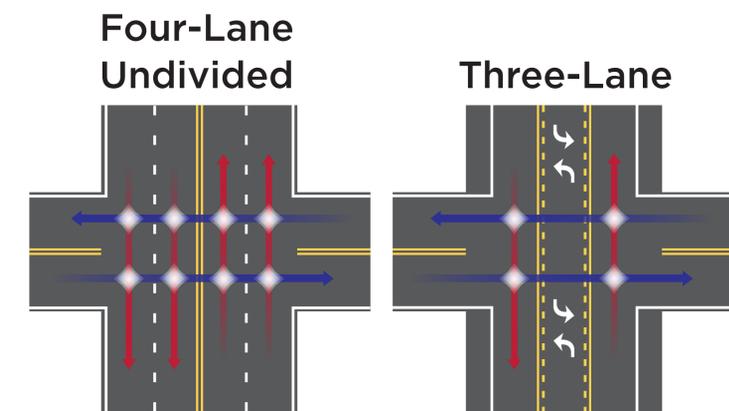
Car A stops for a pedestrian in the near lane

Car B approaches in the far lane with view of pedestrian obstructed by Car A and is unable to stop in time to avoid crash with pedestrian

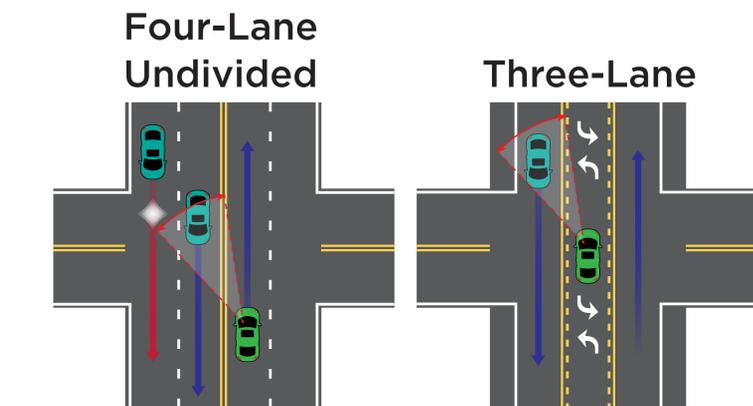


Adapted from Seattle DOT graphic

Reduced Vehicle Conflict Points



Crossing and through traffic conflict points at intersection



Outside lane traffic hidden by inside lane vehicle

No hidden vehicles

Adapted from FHWA graphic