

The K-10 Capacity Improvements Project will identify and evaluate potential improvements to the K-10 Corridor that would enhance safety and improve traffic flow from the Douglas/Johnson County Line to I-435 (approximately 16.5 miles in Johnson County). It includes the cities of De Soto, Lenexa and Olathe. In December 2021, the K-10 Capacity Improvements Project was announced as part of the Eisenhower Legacy Transportation Program (IKE) Development Pipeline.

## Alternatives being considered include:

- K-10 widening from the Douglas/Johnson County Line to I-435
- Interchange improvements at Evening Star Road, Edgerton Road, Lexington Avenue, Kill Creek Road, Cedar Creek Parkway, Prairie Star Parkway, Woodland Road, Ridgeview Road and Renner Boulevard
- Evaluate potential overpasses or interchanges at K-10/Clare Road and K-10/Lone Elm Road
- Improvements at K-10/K-7 and K-10/I-435/I-35 system interchanges
- Transit, technology and other non-roadway improvement opportunities

**Based on current and projected traffic counts, express lanes are being evaluated on K-10 from I-435 to Cedar Creek Parkway.**

As part of the project alternatives development process, KDOT is evaluating whether developing new lanes as express lanes would provide long-term safety, traffic flow and trip time reliability benefits. If incorporated in the project design, express lanes would be tolled; existing lanes would remain toll free. The evaluation also includes understanding community interest in this option.

## Toll Study Express Lanes Concept

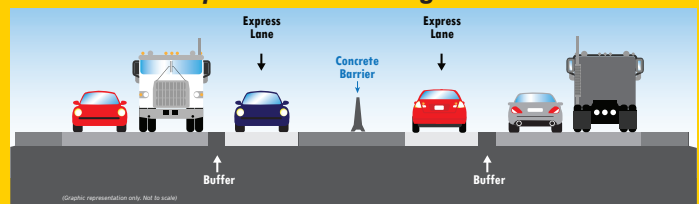
The express lanes concept that will be evaluated during this initial study is shown here:

- Adds one lane in each direction to the median, tolls only applied to the new lanes;
- Two lanes in each direction would remain toll-free, general-purpose lanes;
- Access locations into and out of the express lanes would be carefully chosen to balance traffic flow and access to high-volume origins and destinations served by the express lanes.

**Existing Lane Configuration**



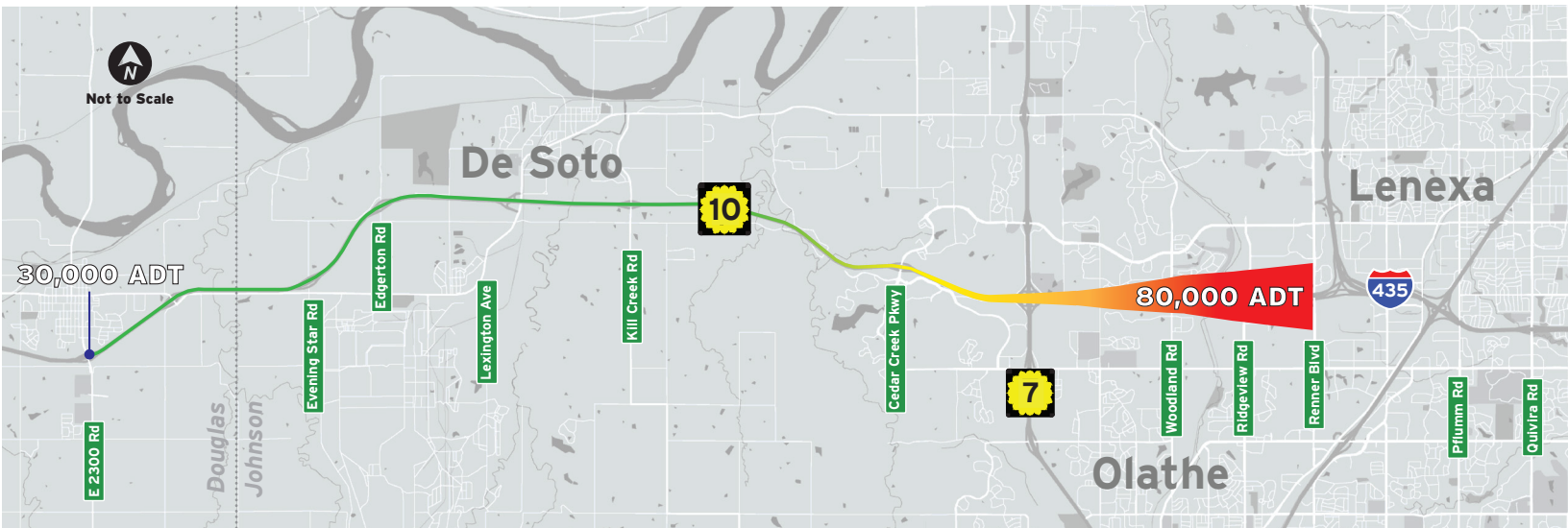
**Express Lane Configuration\***



\* Graphic concept only

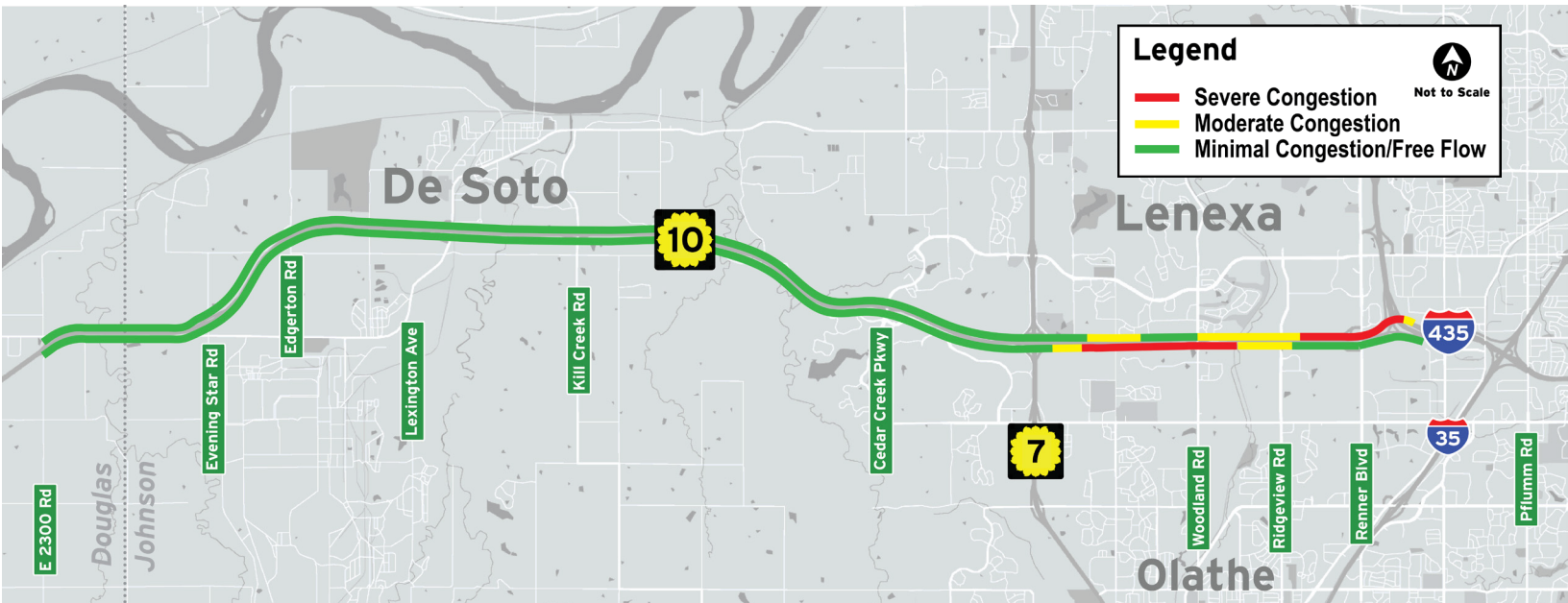
# Current Traffic and Congestion along K-10

## Average Daily Traffic



This graphic shows average daily traffic (ADT) on K-10, with the majority of vehicles traveling from Cedar Creek Parkway to I-435. With significant projected growth and development in this area, traffic is only anticipated to grow.

## Average Traffic Congestion Along K-10



Existing travel conditions can vary in the corridor resulting in unpredictable travel speeds during peak hours due to severe levels of congestion as shown by the graphic.

# The Environmental Process

## Draft Purpose and Need

The proposed project is needed to modernize and expand K-10. It will:



Enhance safety performance to address high crash areas and congestion-related crashes.



Improve traffic operations by reducing congestion and delay within the corridor to meet existing and future travel demands.



Improve infrastructure condition and address ongoing operations and maintenance needs impacting long-term travel reliability and life-cycle costs.



Provide flexible transportation choices by accommodating the needs of all users and modes.



Support local and regional growth through coordinated transportation improvements consistent with current and future land use.

As required by the National Environmental Policy Act (NEPA), the Environmental Assessment (EA) process includes these six steps illustrated below. Throughout the EA process, the public will have opportunities to evaluate EA findings and provide feedback.

### 2. ALTERNATIVE DEVELOPMENT AND SCREENING

Late Fall 2023

Which of the ideas for improvements are the most feasible?

### 4. PREFERRED ALTERNATIVE

Spring 2024

Identify the alternative that is preferred for corridor improvement.

### 6. FINALIZE EA AND FHWA DECISION

Fall 2024

The EA is finalized. The FHWA determines if a Finding of No Significant Impact (FONSI) will be granted to move forward with design and construction, or an environmental impact statement (EIS) will be prepared.

