

# K-10 Corridor Project

## Olathe City Council

KDOT Job Number: 10-46 KA-6549-01

August 15, 2023

**Thank you for the  
opportunity!**

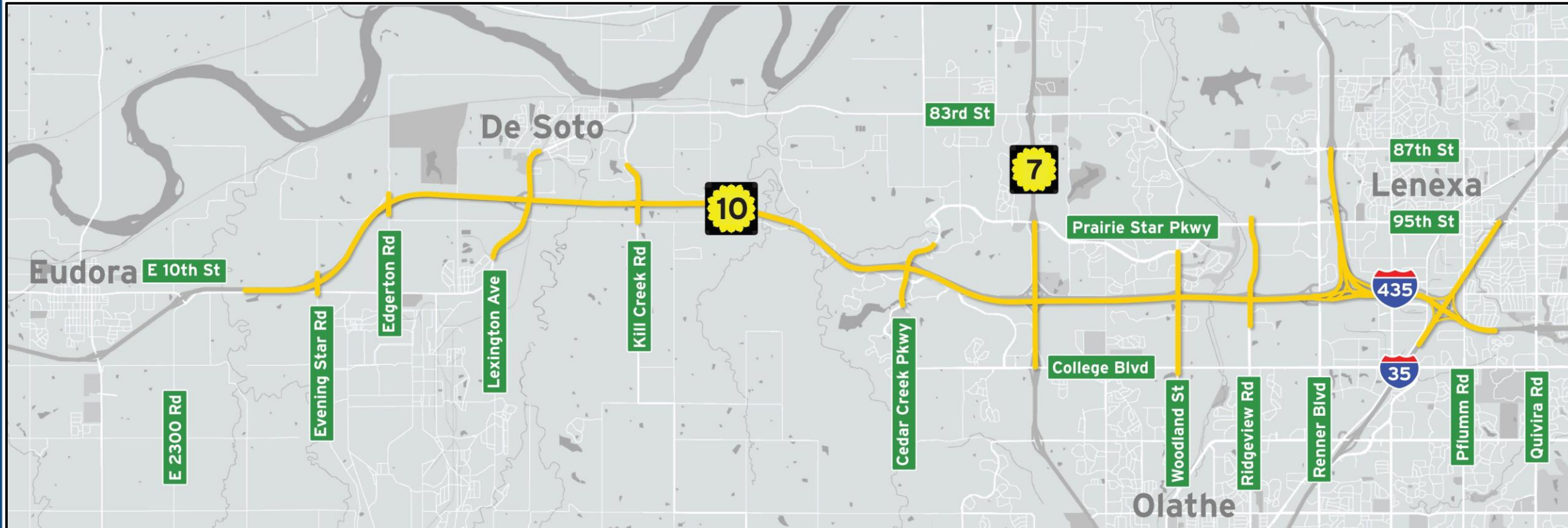
# Agenda

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- Project Overview
- Existing Conditions
- Project Purpose & Need
- Upcoming Work
- Express Lanes, Community Input, & Approval Process
- Planned Outreach

# Project Overview

# Project Area



# Previous Studies

**May 2005**  
K-10  
Transportation  
Study

**November  
2006**  
K-10  
Interchanges  
Study


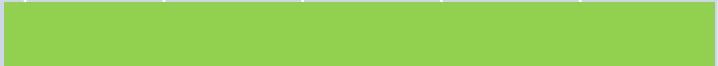


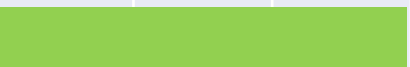




**June 2009**  
K-10/Lone Elm  
Road BIA  
Report  
(City of Lenexa)

**May 2011**  
I-435/I-35/K-10  
Interchange  
Concept Study

# Project Scope – Discovery Phase

- Identify current and future corridor problems and needs
- Evaluate various improvements alternatives
- Select a Preferred Alternative
- Secure Federal Approvals
  - NEPA (Environmental Assessment)
  - Break-in-Access (Traffic)
- Develop Implementation Plan
  - Near, medium, long-term improvements
  - Delivery model(s) recommendations
  - Proposed schedule

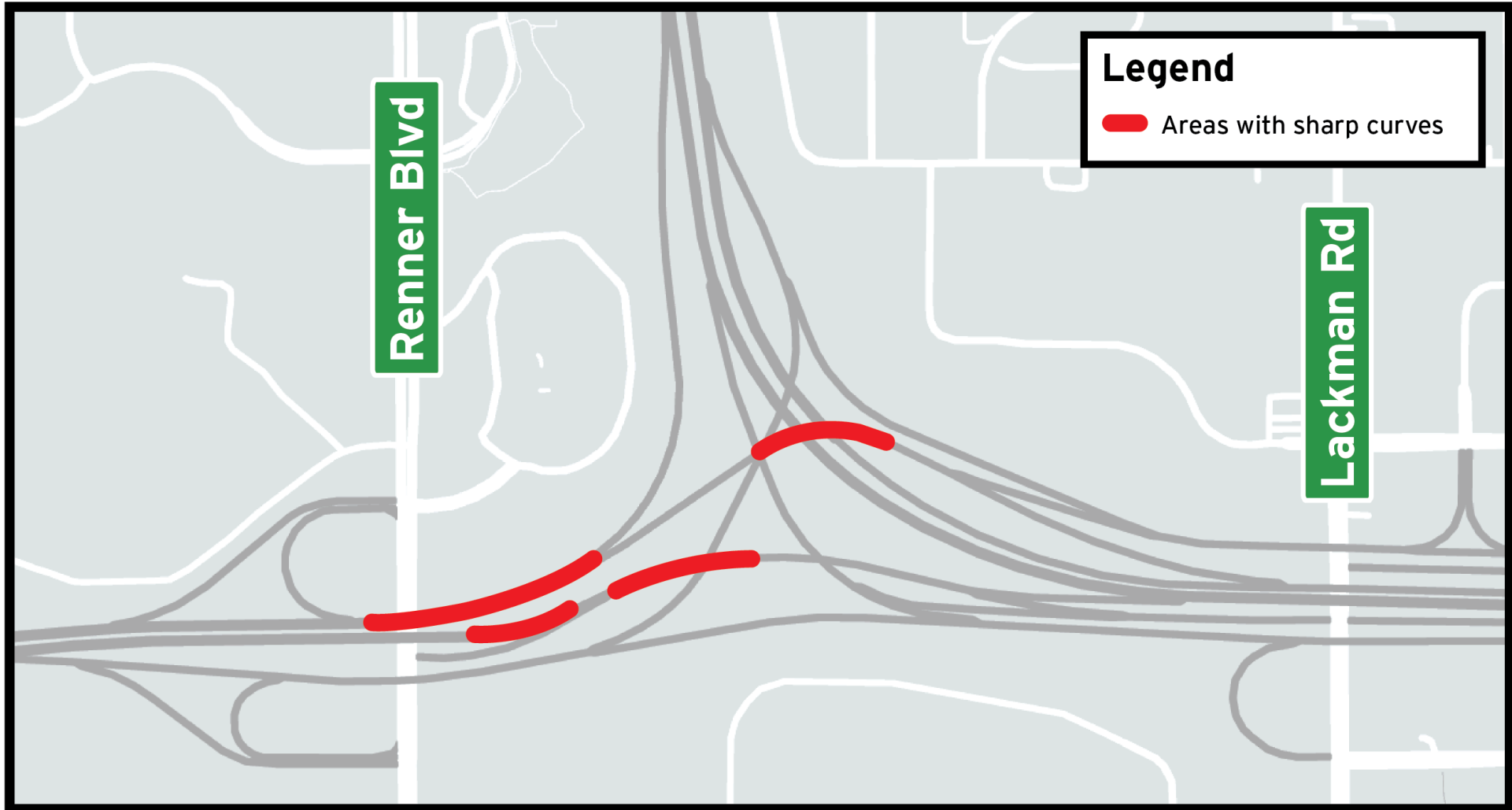
# Discovery Phase Schedule

Activity	2022				2023				2024			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Project Initiation												
Survey/Data Collection												
Existing Conditions												
Initial Alternatives Development												
Tolling Studies												
Reasonable Alternatives												
Environmental Analysis/Approval												
Stakeholder/Public Engagement												






# Existing Conditions

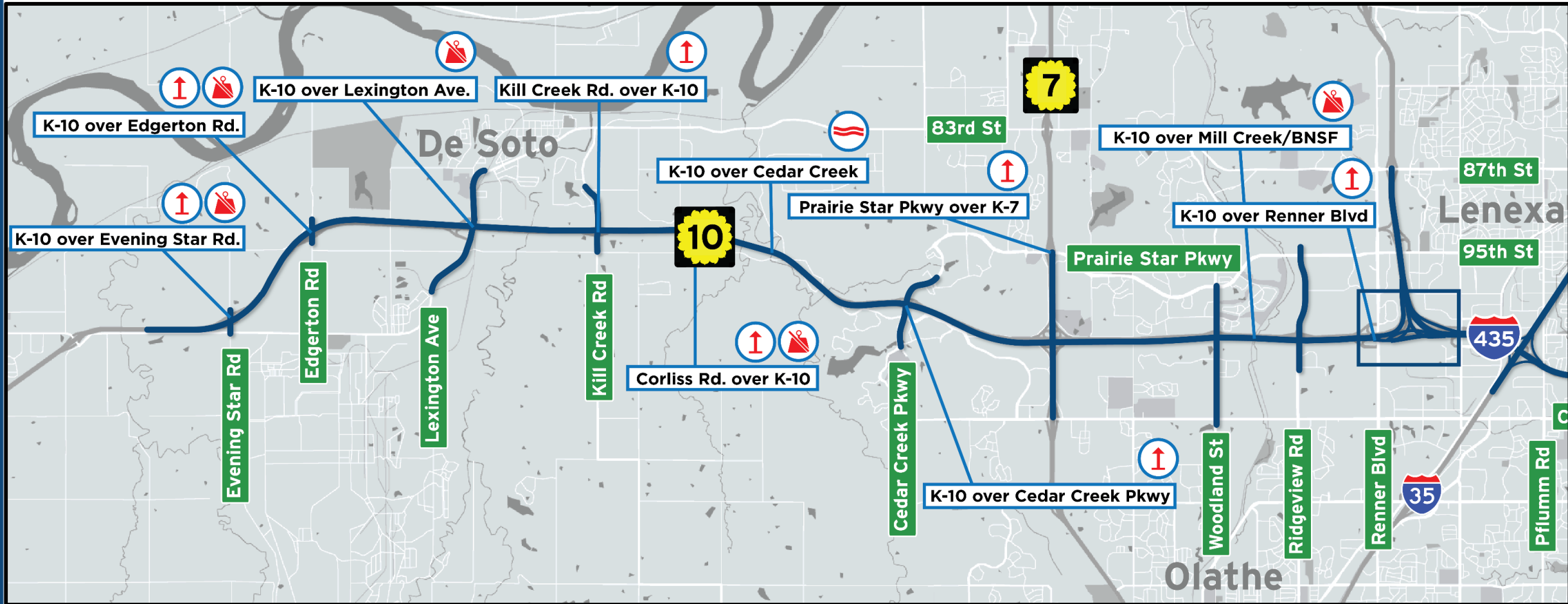
# Existing Conditions Roadway Deficiencies



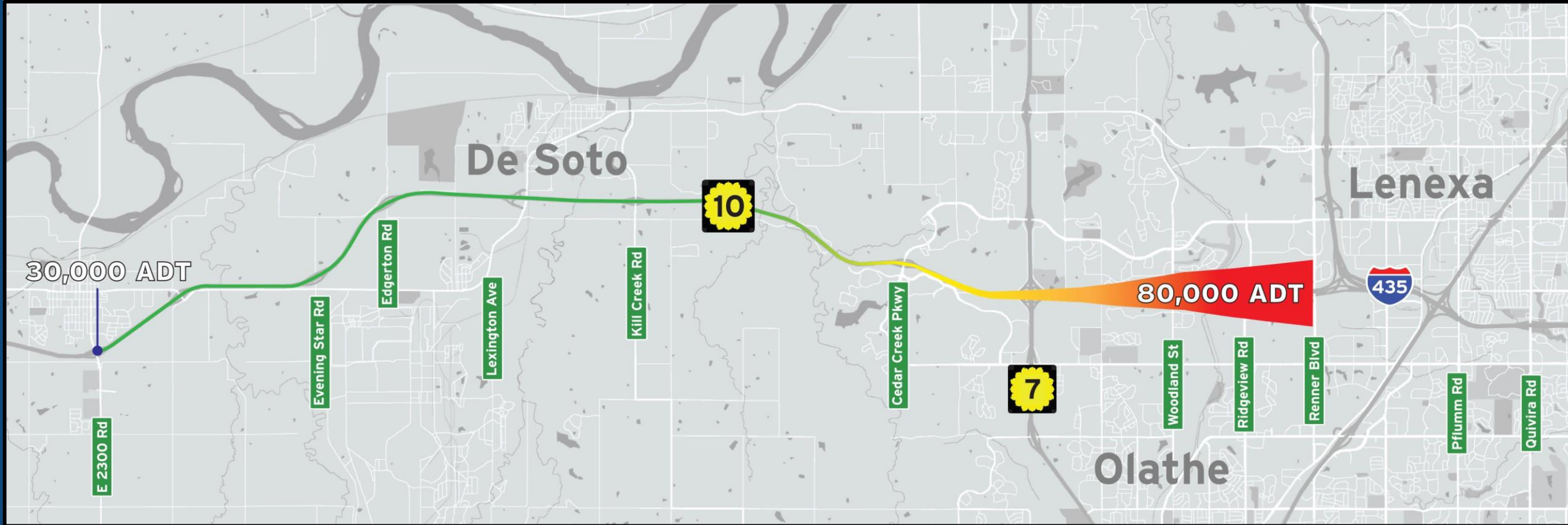
# Existing Conditions Bridge Deficiencies

**Bridges:**

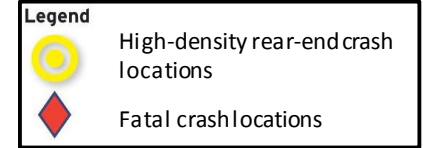
-  Deficient vertical clearance
-  Deficient high water clearance
-  Bridge has load weight limit restrictions



# Existing Conditions Average Daily Traffic (ADT)



# Existing Conditions Safety Focus Locations



# Purpose & Need

# Purpose & Need - Draft

- **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.

# Options for Improving K-10

- No-Build
- Improve Alternate Routes
- Existing Capacity Management
  - Transportation System Management (TSM)
  - Transportation Demand Management (TDM)
- Multimodal
- Add Capacity – Traditional Widening
- Add Capacity – Express Toll Lanes



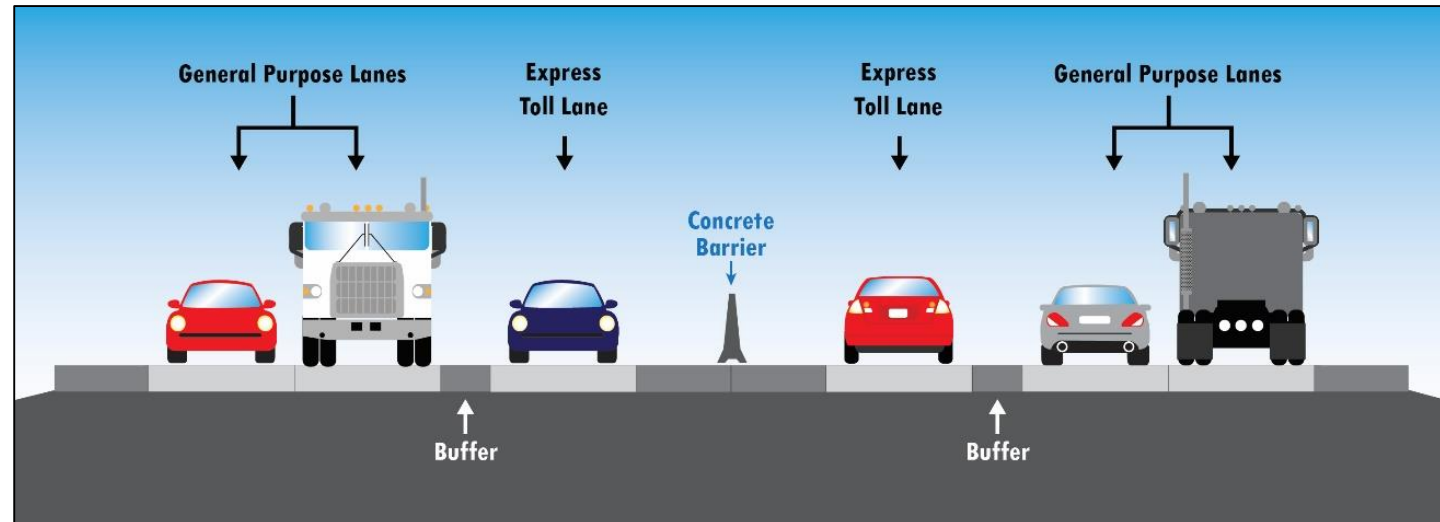
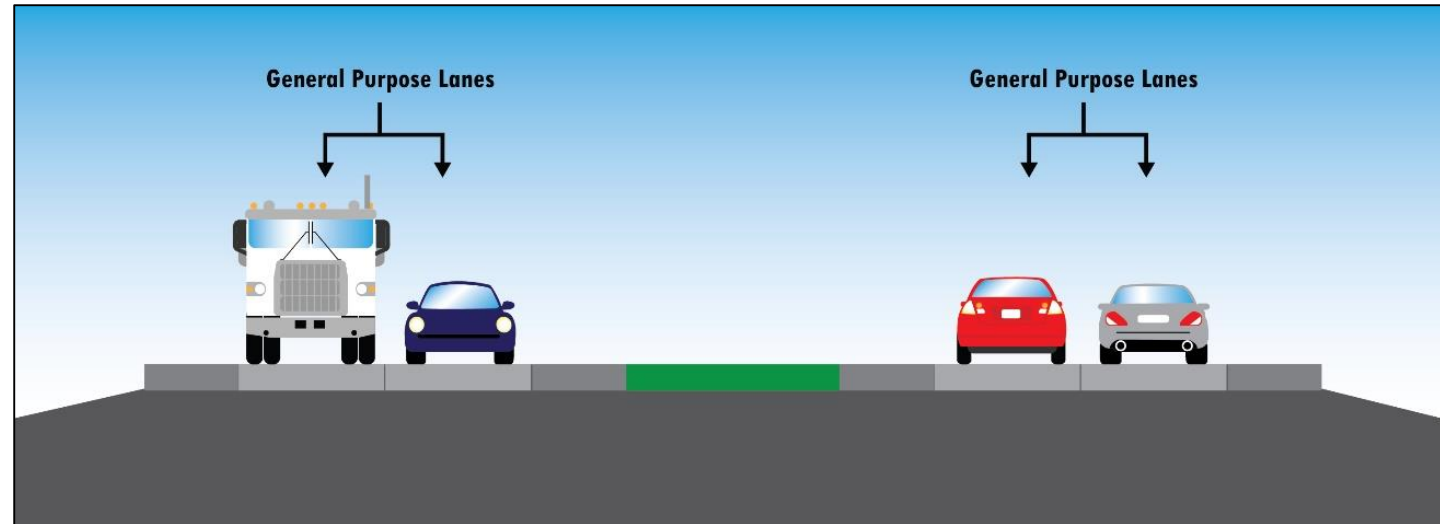


# Upcoming Work

- Traffic Forecasting – *Understand future traffic needs through 2060*
  - Community input on anticipated land use
  - 5-County Travel Demand Model Updates
- Improvement Alternatives – *How best to address needs through 2060*
  - Toll-Free & Express Lanes
  - Interchange Improvements
  - Consider alternatives for Lone Elm Road and Clare Road
- Level 2 Tolling Study
- NEPA Initiation
- Stakeholder Engagement

# Express Lanes, Community Input, & Approval Process

# Express Lanes Concept



Scan for ETL Video

# Why Evaluate Express Lanes?

- Evaluated on projects where adding capacity (new lanes) is likely
- A better way to address congestion
- A tool for funding local contribution



# Limits of Potential Express Lanes



# Toll Project Requirements

## KSA 68-20, 120

KSA 68-20, 120 grants authority to KDOT to develop toll projects

- No existing lane of any state highway can be tolled
- Tolls shall be charged on all users of the toll facility regardless of class, size, or kind of traffic
- Must include at least 1 public meeting
- All toll revenue must remain with that roadway

# Toll Project Approval Process

## KSA 68-20, 120



**If technical results and community support are positive**

### Step 1

KDOT & Communities develop Joint Proposal for implementation



### Step 2

Joint Proposal to KTA Board for review



### Step 3

Final review by State Finance Council





# Planned Outreach

# Planned Outreach Public & Stakeholder Engagement Program



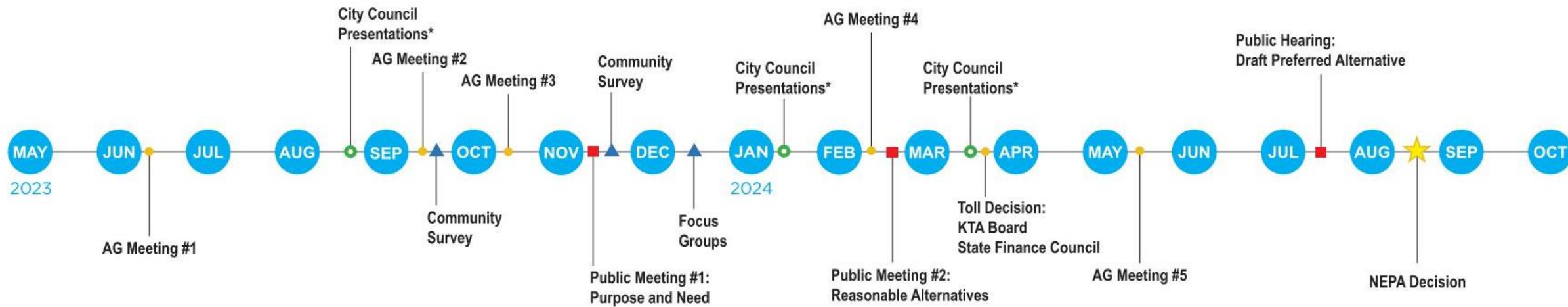
## Extensive Engagement Opportunities

- 5 Advisory Group Meetings
- 3 Public Information Meetings (PIMs)
- Community organization presentations
- Electronic newsletters
- Community Surveys
- Focus Groups
- Specific social media accounts for K-10

Project webpage

[www.K10.ksdot.gov](http://www.K10.ksdot.gov)

# Planned Outreach Engagement Schedule



*Dates are not yet set for many of these meetings and will occur in the general timeframe.*

**Legend**

- Advisory Group (AG) Meetings
- Partner Consultation
- Public Meetings (PM)
- ▲ Survey or Focus Groups

# Questions?

# Thank you!

[www.K10.ksdot.gov](http://www.K10.ksdot.gov)