

# I-70 Polk-Quincy Viaduct: The West Project 70-89 KA-1266-04

Community Open House  
May 4<sup>th</sup>, 2023



 **STREETLIGHT DATA**  
Big Data for Mobility

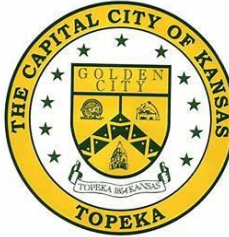


YOUR STORIES  
OUR HISTORY

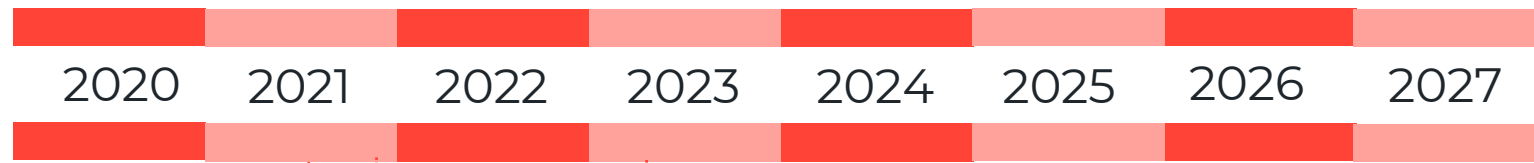
**KANSAS  
HISTORICAL  
SOCIETY**



U.S. Department of Transportation  
**Federal Highway Administration**



# Project Timeline



2020

2021

2022

2023

2024

2025

2026

2027

**July**

- Plans to Utilities
- Selected for Construction Pipeline

**Jan**

Bid Demolition Project

**Oct**

- Right of Way Acquisition Begins
- Environmental Assessment shows Finding of No Significant Impact

May 4  
Community Open House

**Oct**

PQV Project Letting

**CONSTRUCTION**

April  
Pre-Construction Community Open House

Construction Begins Spring 2025  
Construction Ends Fall 2027  
\*Dates tentative, based on weather and other factors that can affect the construction cycle.

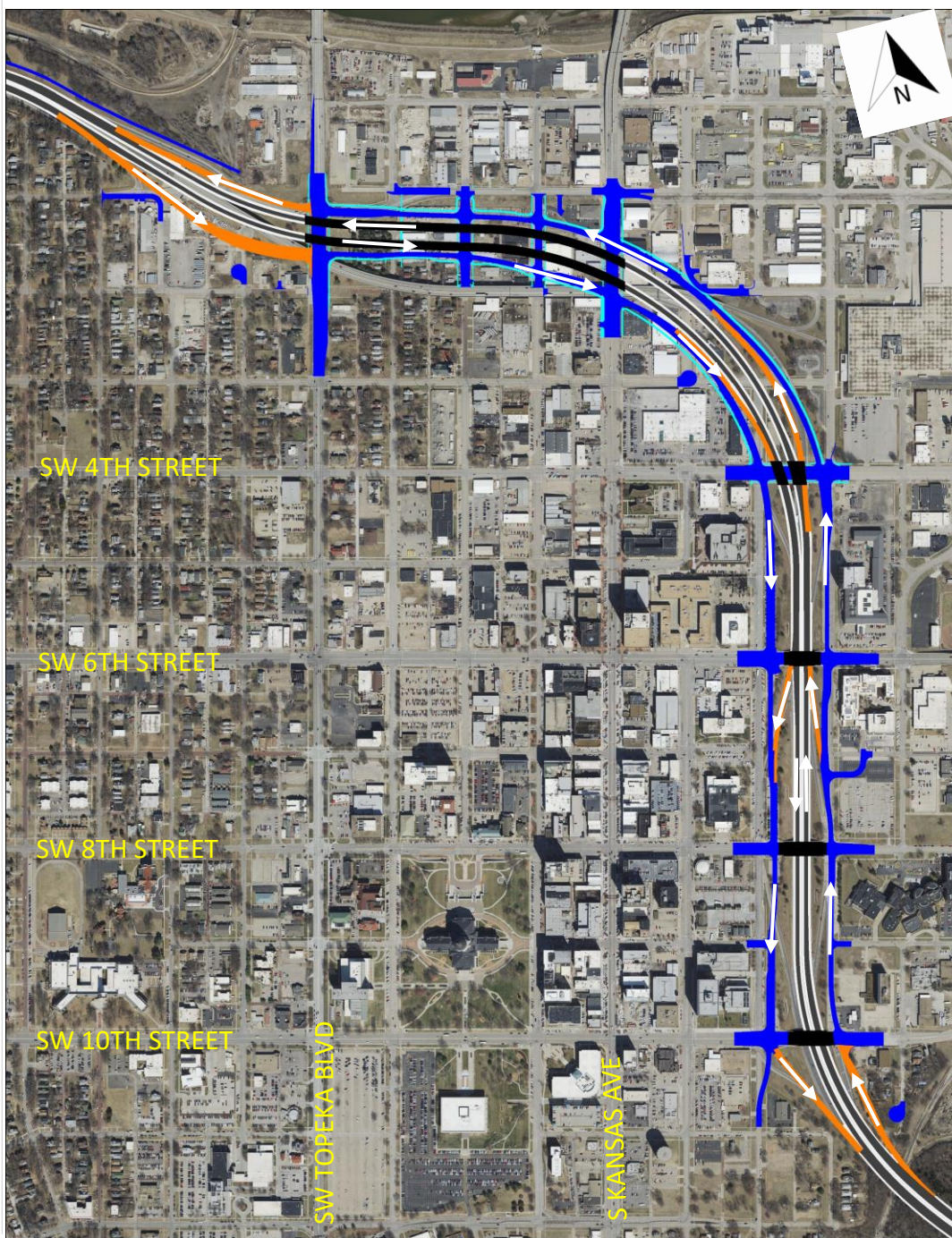
## Project History

- Concept Study in 2011
- Field Check Design in the KDOT TWORKS program – stopped in 2015
- **I-70 Polk Quincy from MacVicar to 6<sup>th</sup> Street**
  - Selected for Development Pipeline “IKE” – Eisenhower Legacy Transportation Program - 2020
  - Selected for Construction Pipeline “IKE” – Eisenhower Legacy Transportation Program – 2021
- Viaduct bridge condition prioritized the west project for selection
- KDOT did a maintenance project on the existing viaduct in 2023 to keep it operating short term






# Project Overview

## 2 Split Diamond



- Split Diamond Interchange at Topeka Blvd. / Kansas Ave. (West project)
- Split Diamond Interchange at 8th Street / 10th Street (East project)

### Legend

-  Frontage Roads or City Streets
-  I-70 Ramps
-  I-70 Highway and Viaduct Bridges

# Design Concept



## I-70 TOPEKA Polk-Quincy Viaduct



**LEGEND**

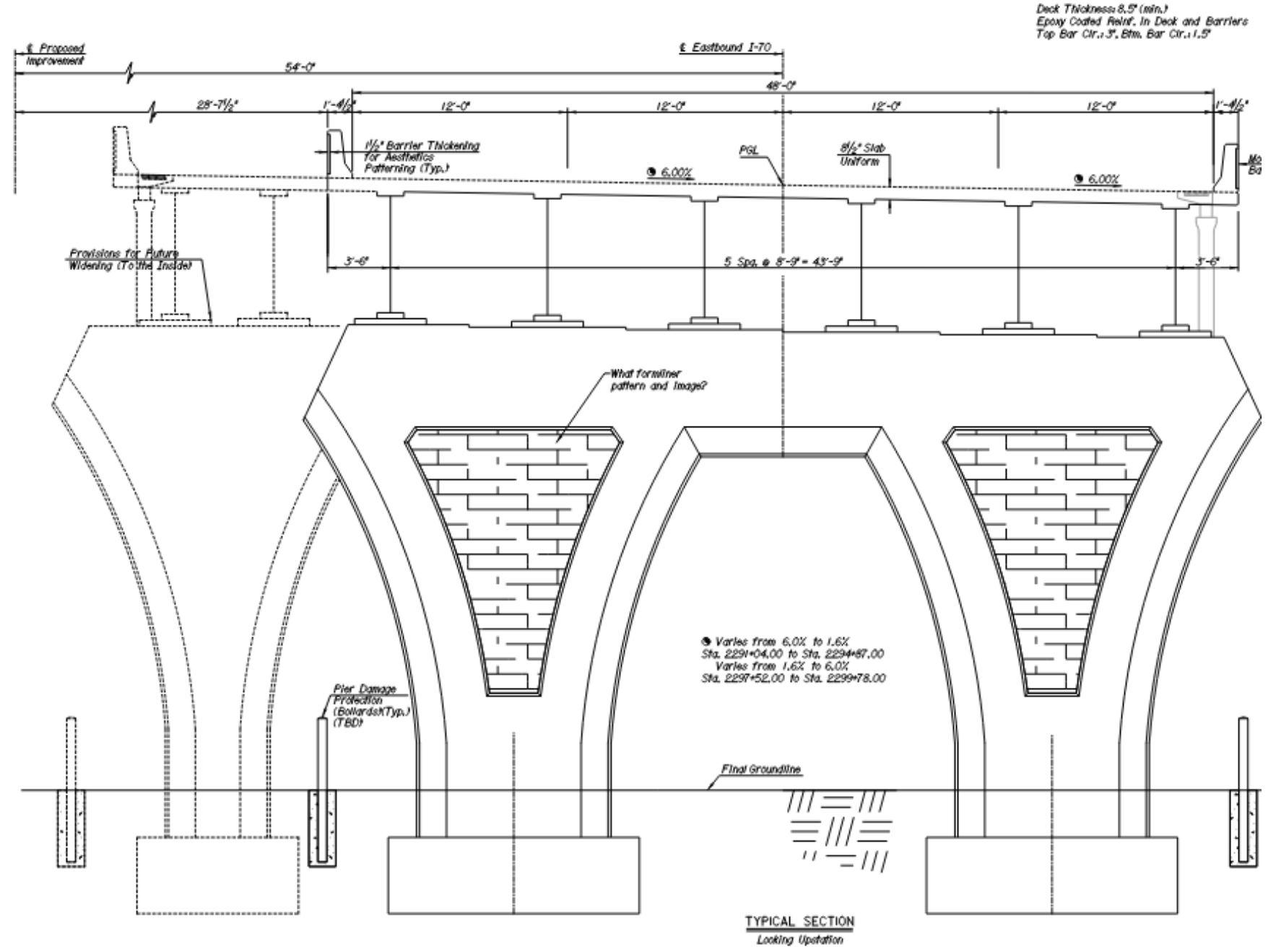
- PROPOSED BRIDGE
- PROPOSED ROADWAY
- PROPOSED RAMP
- PROPOSED SIDEWALK

# Bridge Section

## Expandable to Inside



### Polk-Quincy Viaduct



# Initial Construction Sequencing



CONSTRUCTION - YEAR 1

PROJECT NUMBER:  
KDOT: 70-89 KA-1266-04

In the first year of construction, the new viaduct will be constructed off-line while I-70 west to MacVicar Avenue will be widened. I-70 traffic will remain open during this year of construction. EB I-70 will be able to access Downtown Topeka via 1st St. and 3rd St. exits.

Topeka Blvd. will be reduced to one lane in each direction during construction. Each lane will provide access to WB I-70 only. Through traffic between North Topeka and Downtown will take Kansas Ave.

I-70 TOPEKA  
**Polk-Quincy Viaduct**

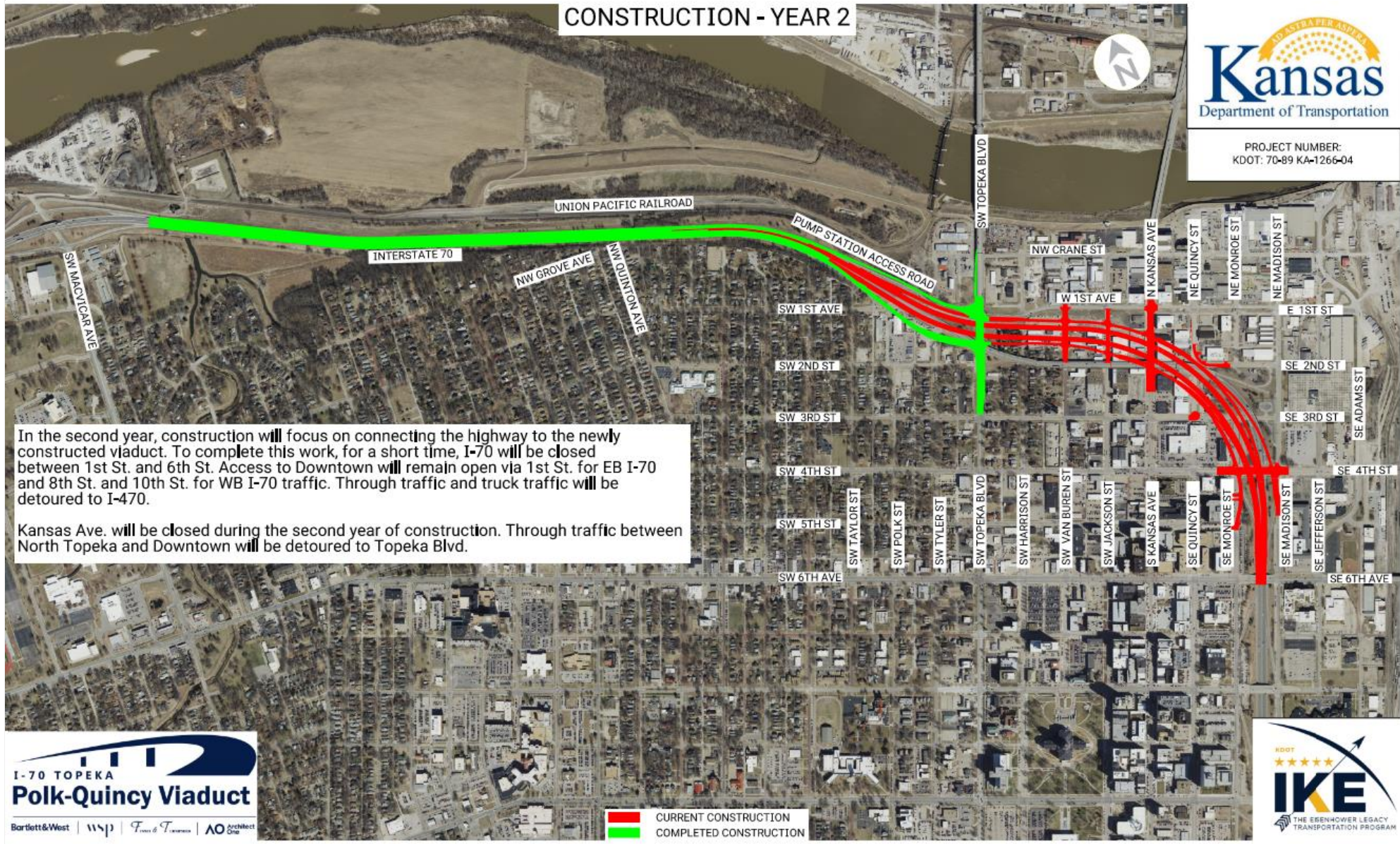
Bartlett&West | wsp | FINNEY & TURNER | AEO ARCHITECT ONE

I-70 TOPEKA  
**Polk-Quincy Viaduct**

■ CURRENT CONSTRUCTION  
■ COMPLETED CONSTRUCTION



# Initial Construction Sequencing



CONSTRUCTION - YEAR 2



PROJECT NUMBER:  
KDOT: 70-89 KA-1266-04

In the second year, construction will focus on connecting the highway to the newly constructed viaduct. To complete this work, for a short time, I-70 will be closed between 1st St. and 6th St. Access to Downtown will remain open via 1st St. for EB I-70 and 8th St. and 10th St. for WB I-70 traffic. Through traffic and truck traffic will be detoured to I-470.

Kansas Ave. will be closed during the second year of construction. Through traffic between North Topeka and Downtown will be detoured to Topeka Blvd.



Bartlett&West | wsp | Finney & Turner | AO Architect One

█ CURRENT CONSTRUCTION  
█ COMPLETED CONSTRUCTION



Bartlett&West | wsp | Finney & Turner | AO Architect One



## Construction Schedule

- Downtown access via I-70 from MacVicar to Topeka Boulevard at all times
  - Provides access to downtown from the West
  - Helps reduce detour traffic through City streets on MacVicar and 6<sup>th</sup> Street
- I-70 thru traffic will be detoured to I-470 at the beginning of the project
- I-70 closure is minimized to Year 2
  - Closure from early spring to late fall of 2026
  - Eastbound I-70 lanes open first with head-to-head traffic
- Investigating innovative approach to project bidding to minimize closure time and traffic impacts

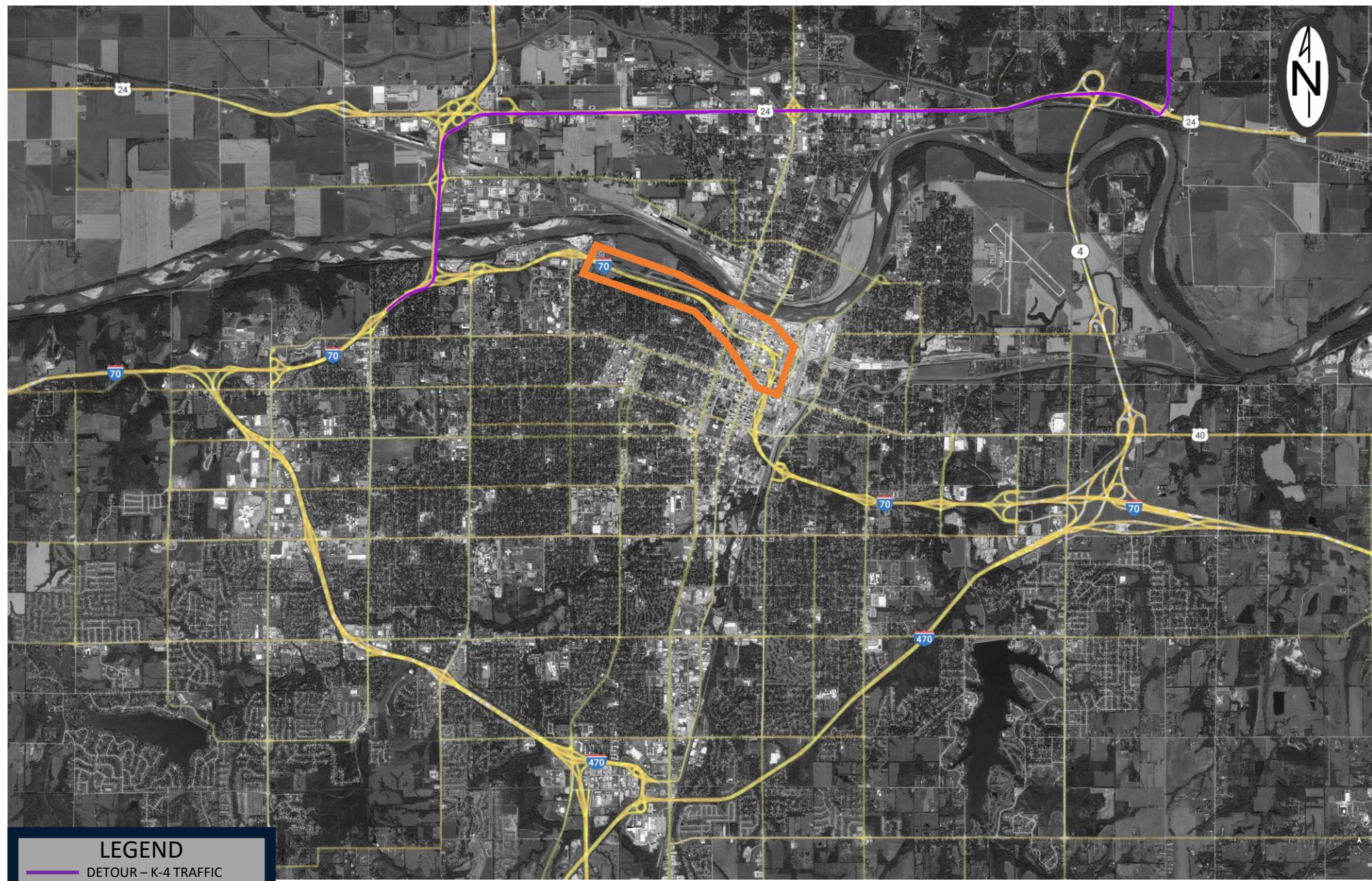


# Detour for I-70 Thru Traffic



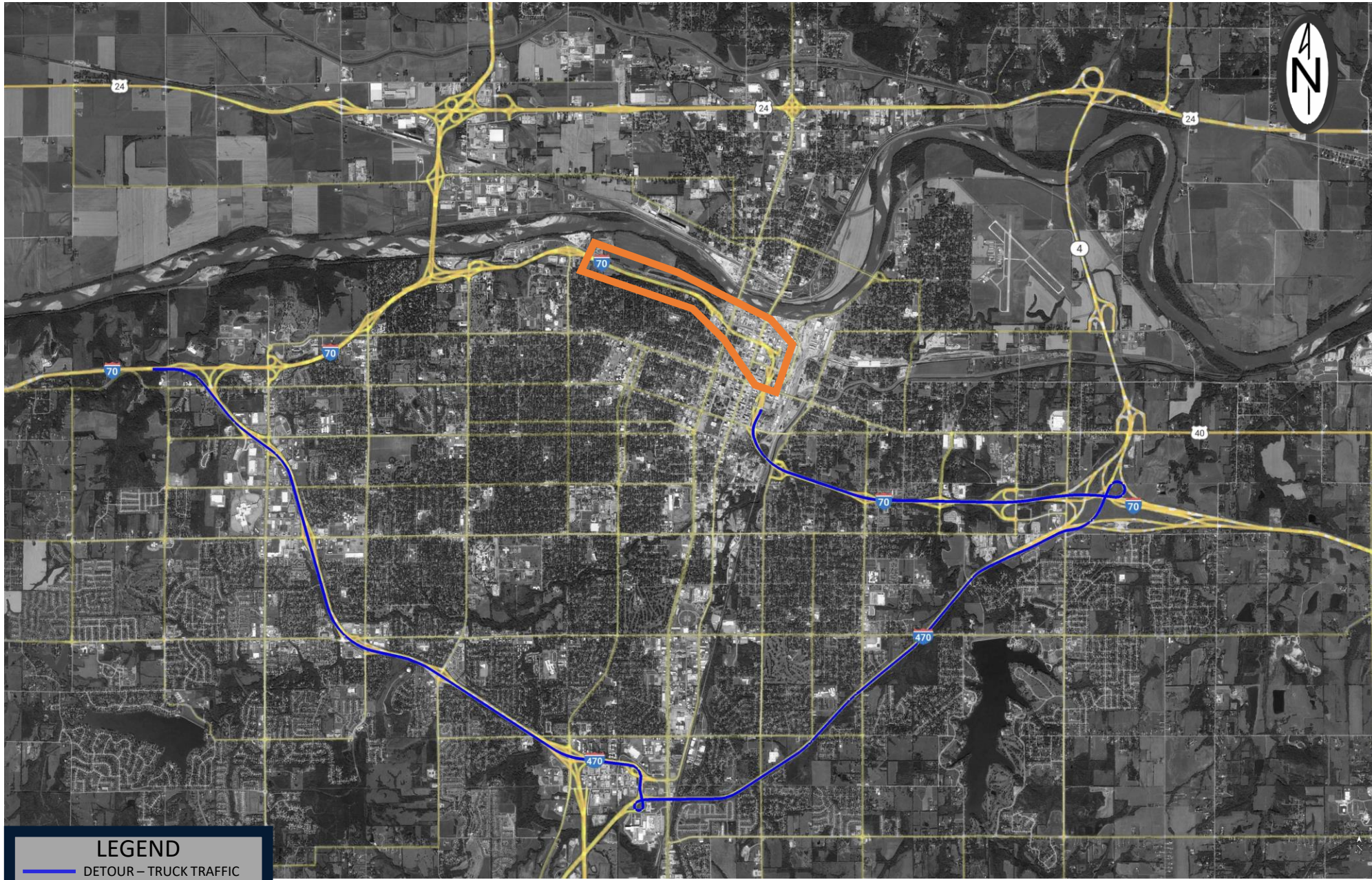
LEGEND	
	DETOUR - THRU TRAFFIC
	PROJECT LIMITS

# Detour for EB I-70 Traffic to K-4



**LEGEND**  
— DETOUR – K-4 TRAFFIC  
— PROJECT LIMITS

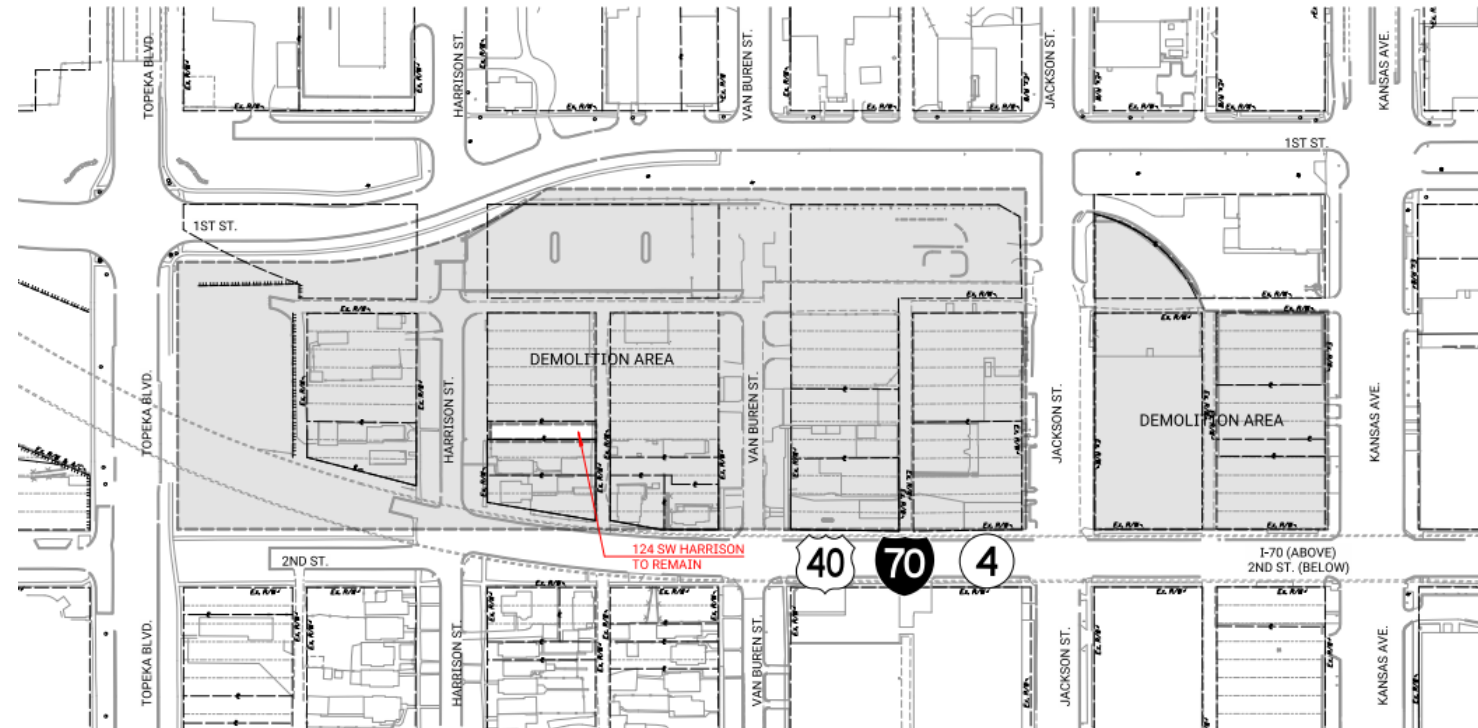
# Detour for EB I-70 Truck Traffic



**LEGEND**  
— DETOUR – TRUCK TRAFFIC  
— PROJECT LIMITS

## Demolition Project

- KDOT March 2022 Letting
- Buildings demolished starting in September 2022
- Allows Kansas State Historic Preservation Office investigation to be completed
- Jackson Street to remain open throughout
- Completed by the end of 2024



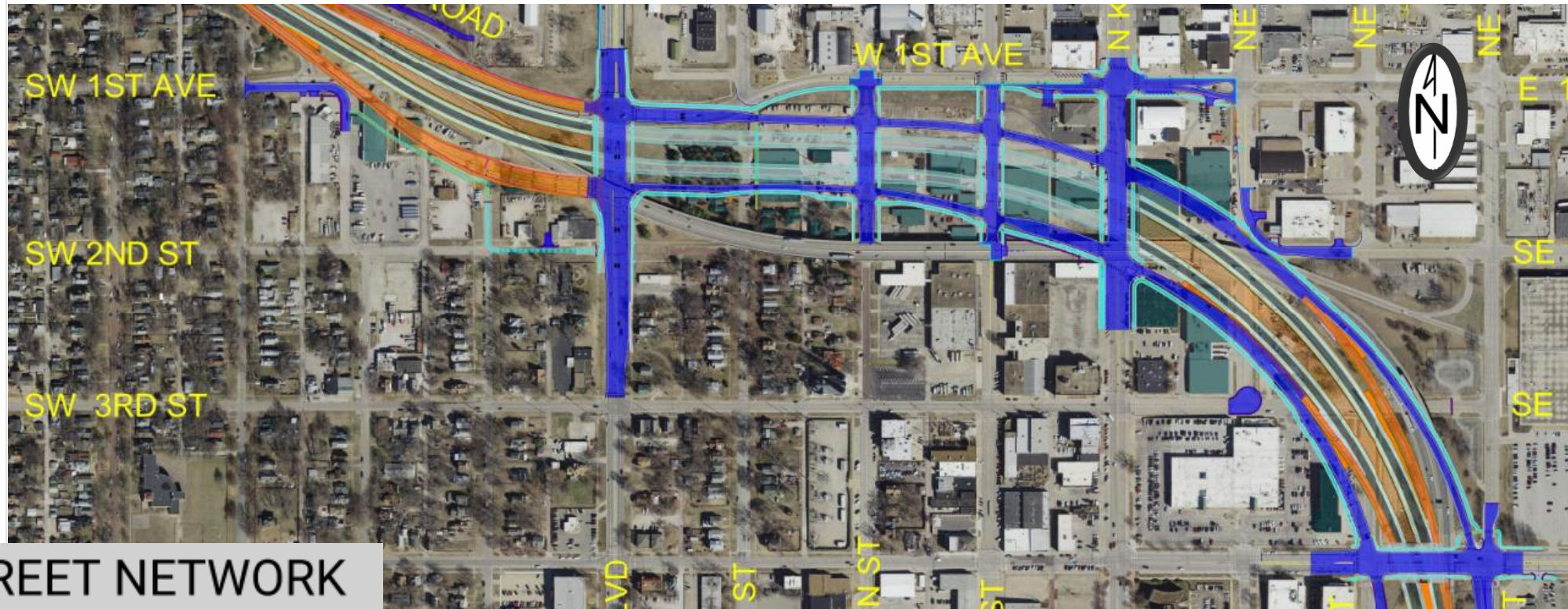
## Right-of-Way




- KDOT has acquired most properties
- A few remain in the acquisition process



**Sidewalks/  
Shared Use Paths  
Bike Lanes**

- On-street bike lanes on Van Buren and 4<sup>th</sup> Street
- Shared use path:
  - Eastbound – Topeka Blvd. to 4<sup>th</sup> Street
  - Westbound – 4<sup>th</sup> Street to Kansas to 1<sup>st</sup> Street to Topeka Blvd.
  - Both sides of Kansas Avenue, Harrison Street connection



	CITY STREET NETWORK
	PROPOSED STRUCTURES
	PROPOSED SIDEWALKS



## Schedule

- **Plans to Right-of-Way** \_\_\_\_\_ **Spring 2021**
- **Demo –06 Phase** \_\_\_\_\_ **March 2022 letting**
- **Demolition Begins** \_\_\_\_\_ **September 2022**
- **Utility Relocation**
  - **Design / Coordination** \_\_\_\_\_ **All of 2022**
  - **Relocation** \_\_\_\_\_ **Mid 2023 to Summer 2024**
- **Final Design** \_\_\_\_\_ **2021-2024**
- **Plans to Traffic Engineering** \_\_\_\_\_ **October 2022**
- **Plans Complete** \_\_\_\_\_ **July 2024**
- **Letting** \_\_\_\_\_ **October 2024**

