

# Welcome!!!

## The Project Presentation will begin Shortly

While you are waiting, please remember:

- Participants' videos are turned off
- Participants' microphones are initially muted
- This meeting will be recorded for project documentation
- Questions and comments may be submitted throughout the meeting and will be addressed during or after the presentation. Instructions on how to use the Chat feature will be provided at the beginning of the presentation
- There will also be an opportunity after the presentation for verbal public statements



Christopher B. Burke Engineering, Ltd.

# RANDALL ROAD AT HOPPS ROAD PHASE I ENGINEERING STUDY



Public Information Meeting - August 2, 2022 @ 5:00pm

<http://kdot.countyofkane.org/Pages/Projects/Randall-Hopps/RandallHopps.aspx>

## PRESENTERS

### Kane County Division of Transportation

**Jennifer O'Connell, PE – Chief of Design**



### Project Consultant

**Christopher B. Burke Engineering , Ltd. (Prime Consultant)**

- **Melissa McGhee – Project Manager**
- **Pete Knysz – Senior Environmental Policy Manager**



## MEETING AGENDA

- **Meeting Guidelines**
- **How to Use Zoom**
- **Project Overview**
- **Project Purpose and Need**
- **Alternatives Considered**
- **Preferred Alternative & Proposed Improvement Plans**
- **Land Acquisition Requirements**
- **Traffic Noise Study**
- **Land Acquisition Process**
- **Zoom Discussion**
  - **Written Questions from the Zoom Chat Box**
  - **Verbal Statements and Questions**

## MEETING GUIDELINES

- The Presentation will be recorded for inclusion in the Public Information Meeting documentation.
- The presentation is about 15 minutes in length.
- Participants not speaking are muted with their video off.
- Comments and Questions can be submitted at any time using the **CHAT BOX**. These questions will be answered first by the project team either during or following the formal presentation.
- You may also contact the project team outside of this meeting to discuss any detailed individual questions about your property.
- After the presentation, meeting participants will also have the option to make verbal comments and questions by using the “RAISE HAND” feature. At the appropriate time, you will then be unmuted and allowed to speak. You will be asked to give your name and address before making a comment or asking a question.
- Some questions may require further review. If your question is not answered today, a response will be provided after the comment period is closed.
- Please do not hold conversations in the Chat box, as this will be part of the public information meeting record.

# RANDALL ROAD AT HOPPS ROAD



## HOW TO USE ZOOM

The image shows a Zoom meeting window with several callouts explaining features. The main window displays the name "Melissa McGhee" and a toolbar at the bottom with icons for Mute, Start Video, Security, Participants, Chat, Share Screen, Reactions, and End. A sidebar on the right shows the "Participants (1)" list with "Melissa McGhee (Host, me)" and a "Chat" section with an "Invite" button, a "Mute All" button, and a text input field for messages.

**Participants Feature**

**Chat Feature**

**Melissa McGhee**

**Click here to open the Participants Feature**

**Click here to open the Chat Feature**

**Click here "Raise Hand"**

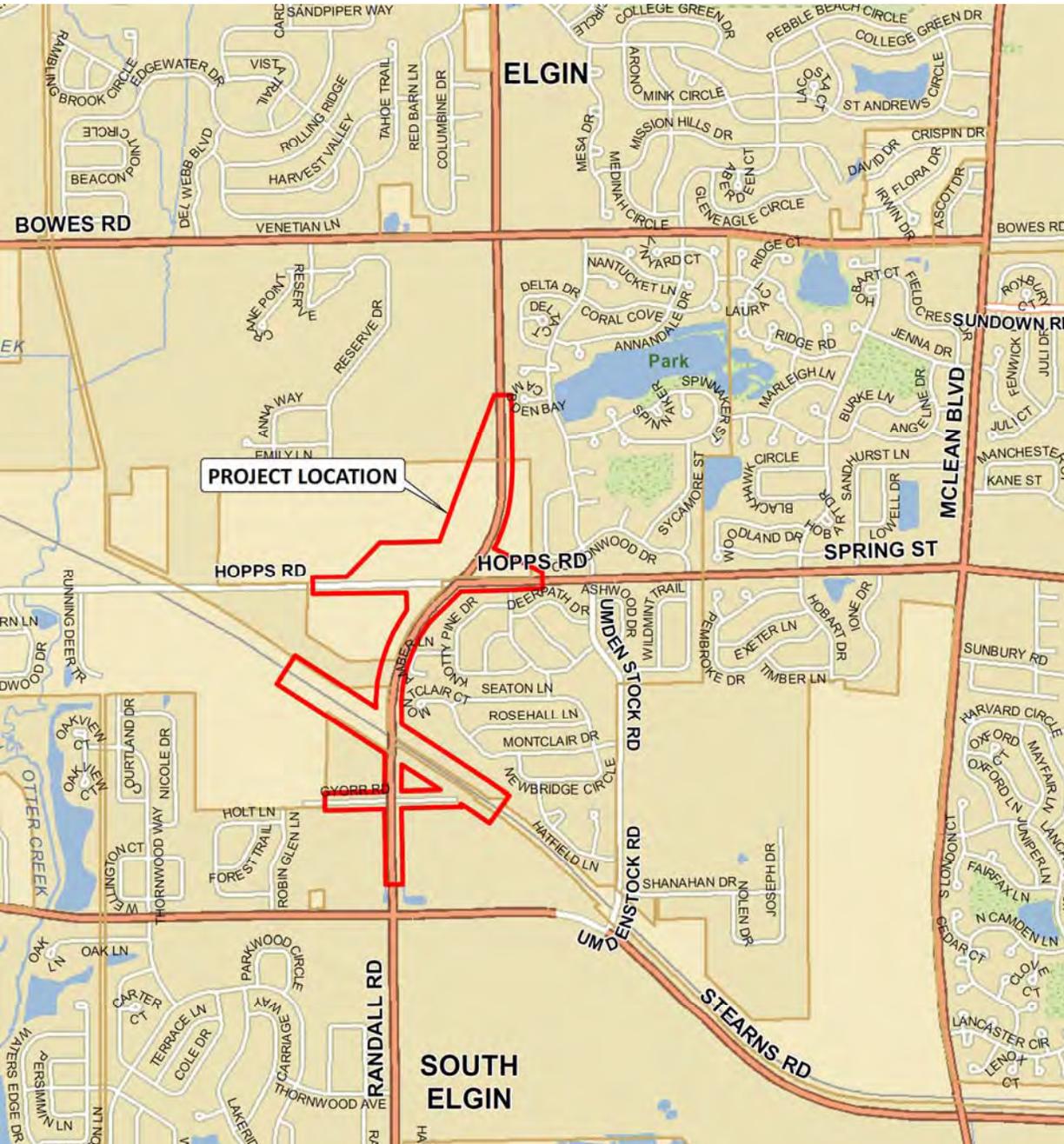
**Type your name, address, and question or comment to be included in the meeting record here (press enter to submit)**



# Project Overview

# RANDALL ROAD AT HOPPS ROAD

## PROJECT OVERVIEW



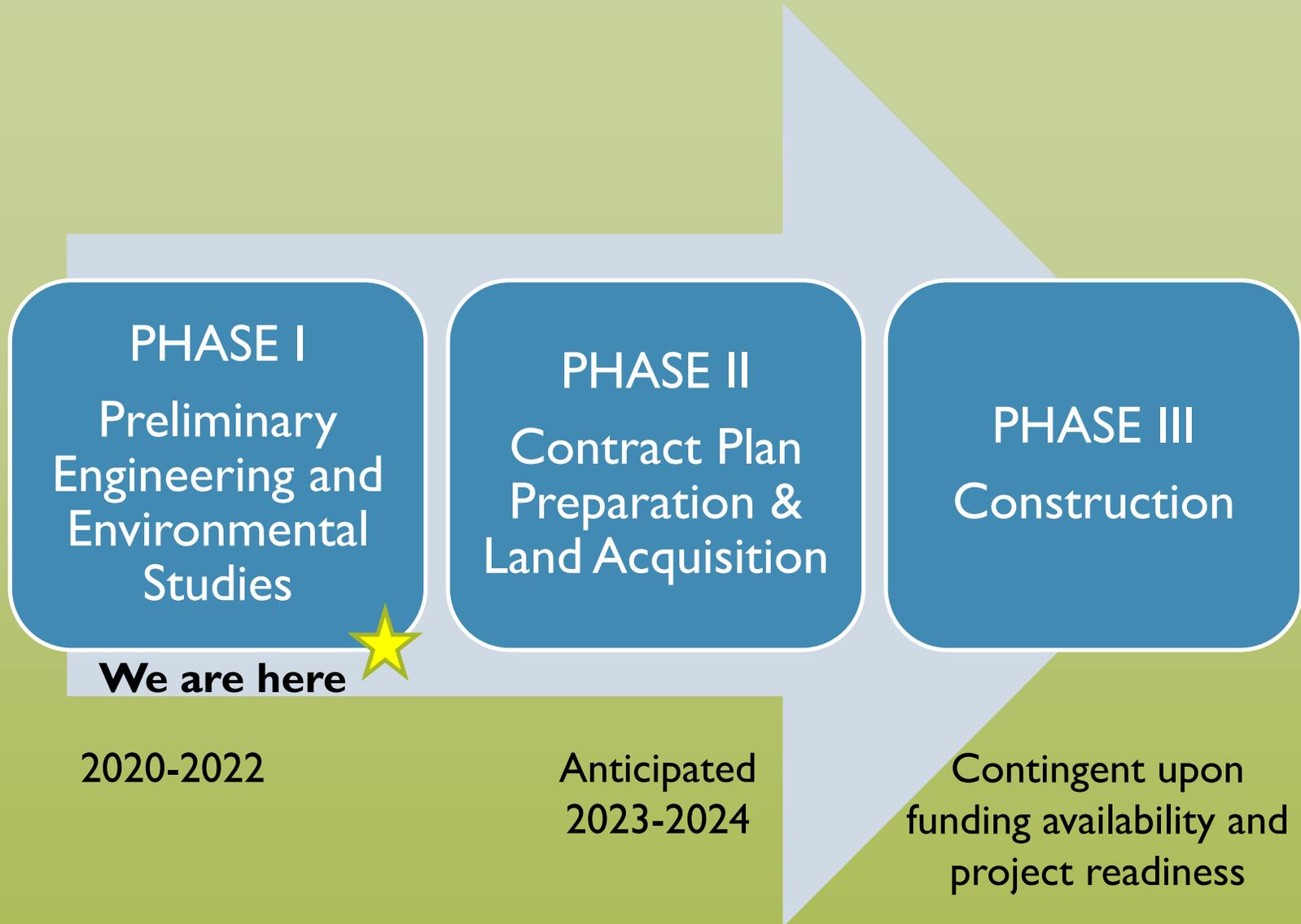
## Anticipated Scope of Improvements

- Reconstruction of Randall Road
  - 30' Median
  - Closed Drainage
- Add 3<sup>rd</sup> lane between Gyor Avenue and Walmart
- Intersection Realignment at Randall Road/Hopps Road
- New Bridge carrying Randall Road over the Canadian National Railroad (CNRR)

# RANDALL ROAD AT HOPPS ROAD



## PROJECT DEVELOPMENT PROCESS

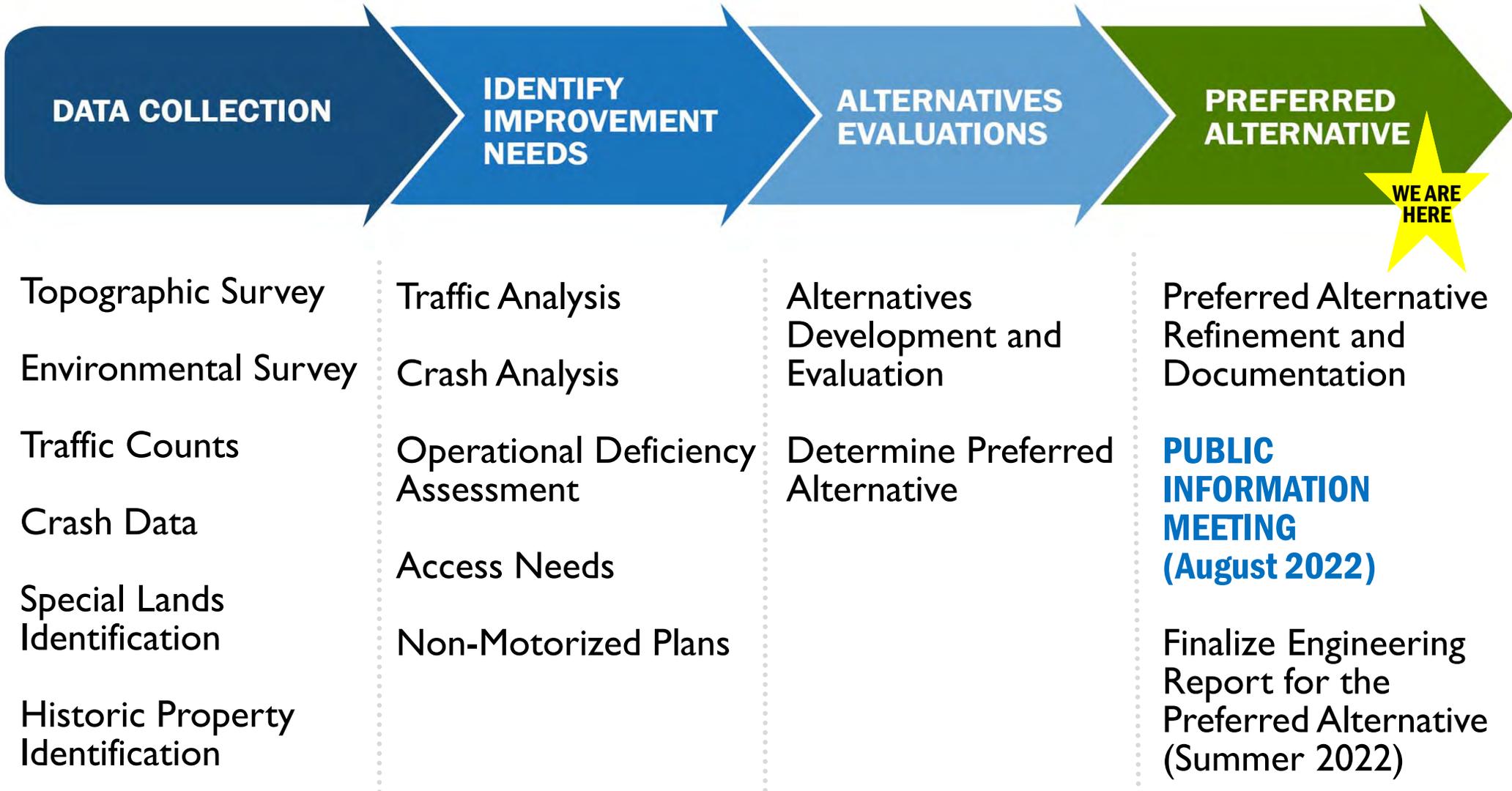


# RANDALL ROAD AT HOPPS ROAD



## WHAT IS A PHASE I ENGINEERING STUDY

### Phase I Engineering Process





# Project Purpose & Need

# RANDALL ROAD AT HOPPS ROAD



## PROJECT PURPOSE & NEED



The study area is growing in Population and Employment with **145% Growth in Population and 135% Growth in Employment** projected by the year 2050.

Randall Road is classified as a **Strategic Regional Arterial (SRA)** based on high traffic volumes and roadway continuity. Improvements are needed to address **Recent Growth** in traffic volumes and **Additional 45% Growth** projected by the year 2050.

*Strategic  
Regional  
Arterial*



Building on recent safety improvements at the Randall Road/Hopps Road intersection, **Geometric changes are needed to further increase intersection safety.**

A grade separation of the Canadian National Railroad (CNRR) is proposed to ensure **Mobility & Safety** will be maintained with projected future growth along Randall Road.

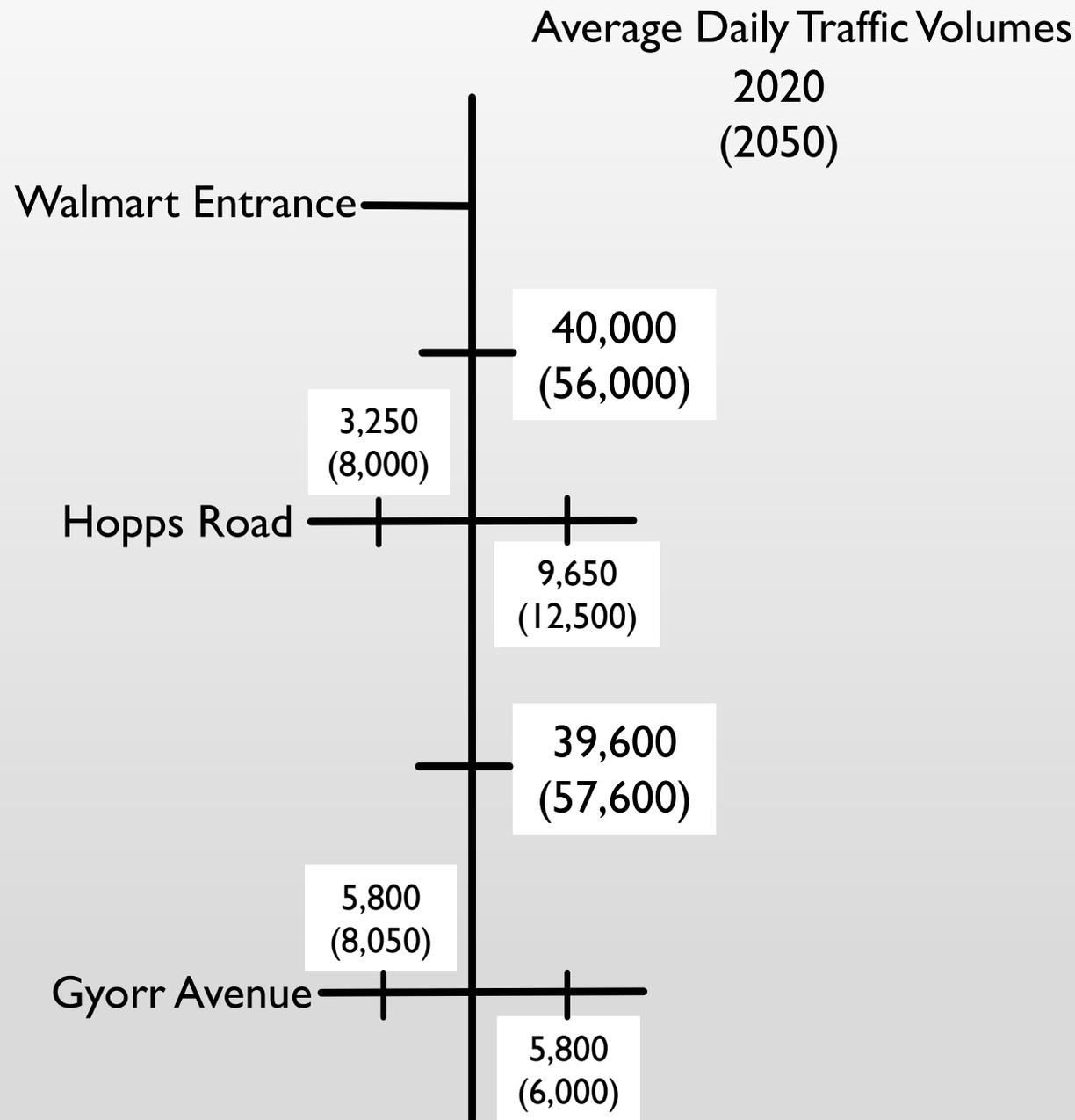


# RANDALL ROAD AT HOPPS ROAD



## WHAT ARE THE PROJECTED FUTURE TRAFFIC VOLUMES ALONG RANDALL ROAD?

- Design for Year 2050 Traffic Projections based on Federal Project Development Requirements
- 40% to 45% Growth by Year 2050
- Growth in Average Daily Traffic Volumes Reinforces Need for Reconstruction with Capacity Improvements



# RANDALL ROAD AT HOPPS ROAD

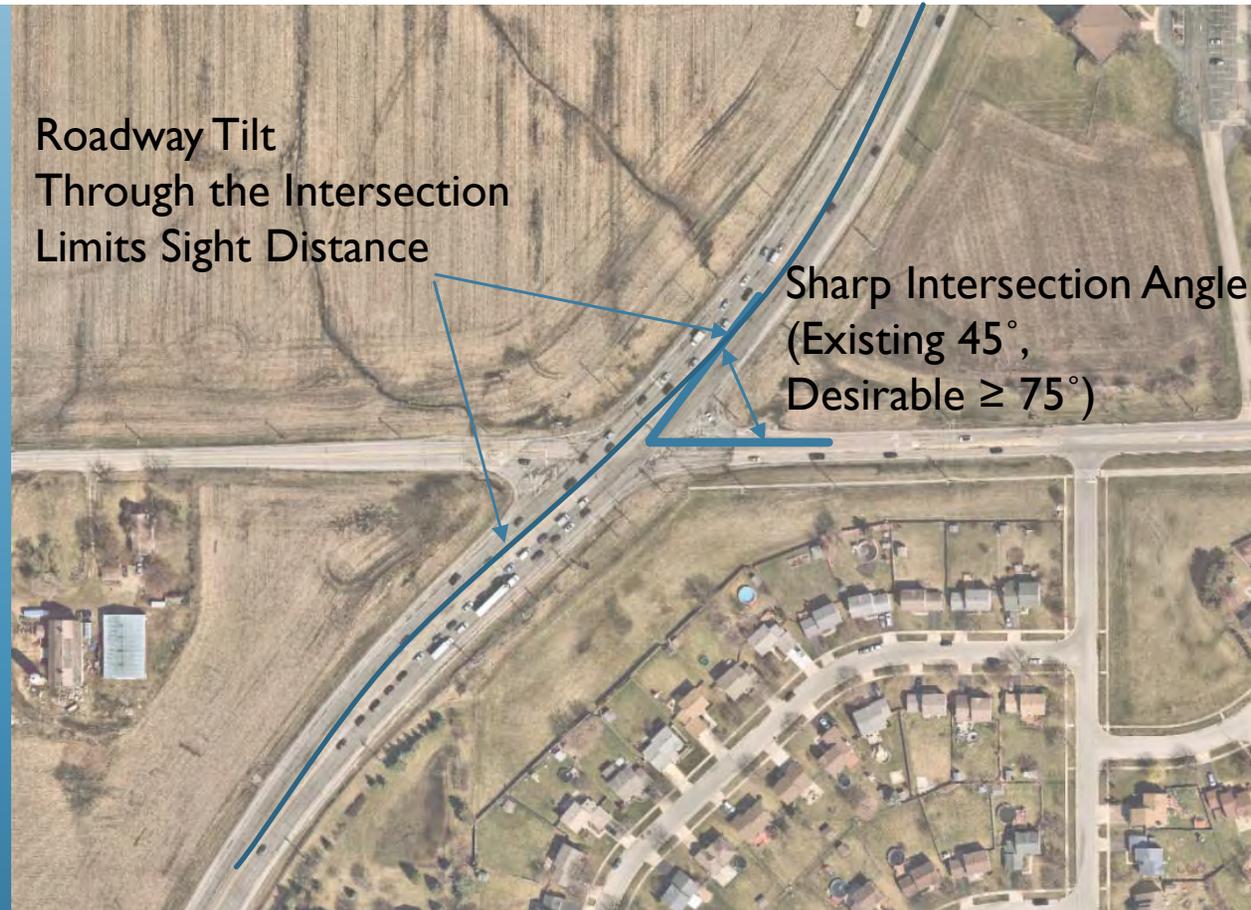


## SAFETY CONCERNS/GEOMETRIC DEFICIENCIES

### 2016-2020 Intersection Crash Data

Year	Total Crashes	Fatal	Injury Crashes
2016	30		15
2017	26		12
2018	21	1	11
2019	19		9
2020	16		5
<b>TOTAL</b>	<b>112</b>	<b>1</b>	<b>52</b>

An interim intersection improvement was completed in 2019 to improve intersection visibility. This project will further improve safety by realigning the roadways to improve intersection alignment and capacity.



### Safety Improvement Needs:

- Reduce Angle of the Intersection to Improve Sight Distance
- Remove Roadway Tilt from Intersection
- Add Capacity to Reduce Congestion and Delay (Additional Through/Turn Lanes)

# RANDALL ROAD AT HOPPS ROAD



## NEED FOR RAILROAD GRADE SEPARATION

- 40% Projected Increase in Randall Road Traffic
- Number of Trains Crossing Per Day and Train Length is Expected to Increase

### CNRR Crossing Traffic Delay

	2020	2050 No-Build	2050 Build with At-Grade
Daily Traffic Delay (hours)	425	2,028	1,547

\*2050 Build with At-Grade maintains at-grade CNRR crossing with added 3rd travel lane



Randall at Gyorr SB Queue Lengths

### Railroad Crossing Needs:

- Reduce Congestion and Delay at the CNRR Crossing
- Optimize Safety of Crossing by Eliminating Vehicles Queuing Over the CNRR Tracks



# Alternatives Considered

# RANDALL ROAD AT HOPPS ROAD

## INTERSECTION ALTERNATIVES



Alternative 1 - Hopps Road Realignment



Alternative 2 - Split Intersection



Alternative 3 – Grade Separation

## Evaluation Criteria Linked to Purpose and Need

- Travel Performance
- Safety
- Footprint
- Cost

## Preferred Alternative Alternative 1

- Improves operations at the intersection by adding a 3<sup>rd</sup> lane
- Improves Safety by increasing the intersection angle and eliminating “tilt” from the intersection
- Avoids residential relocations
- Relatively smallest cost

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## GRADE SEPARATION ALTERNATIVES

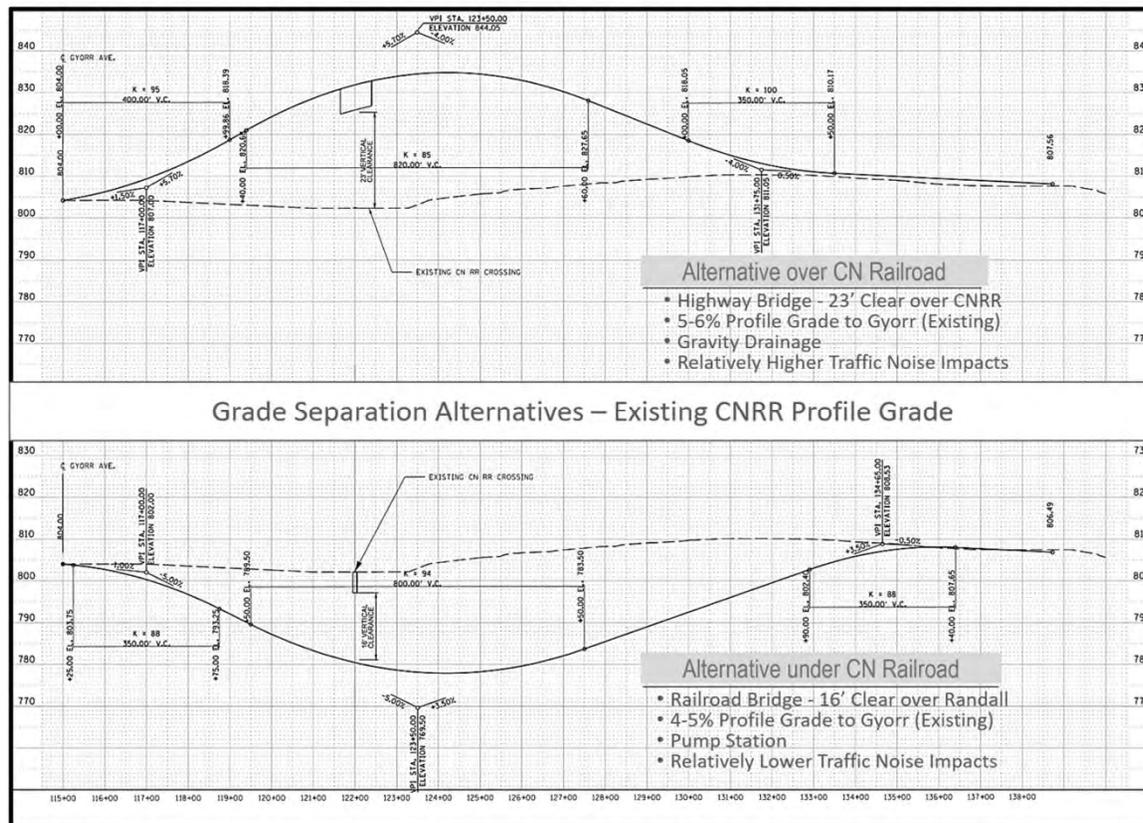


### Evaluation Criteria Linked to Purpose and Need

- Constructability
- Cost

### Preferred Alternative Randall Road over CNRR

- Eliminates need for temporary CNRR track relocation and a pump station
- Lower upfront and long-term costs
- Minimized impacts to CNRR





# Preferred Alternative

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## PREFERRED ALTERNATIVE

### Proposed Improvement Elements

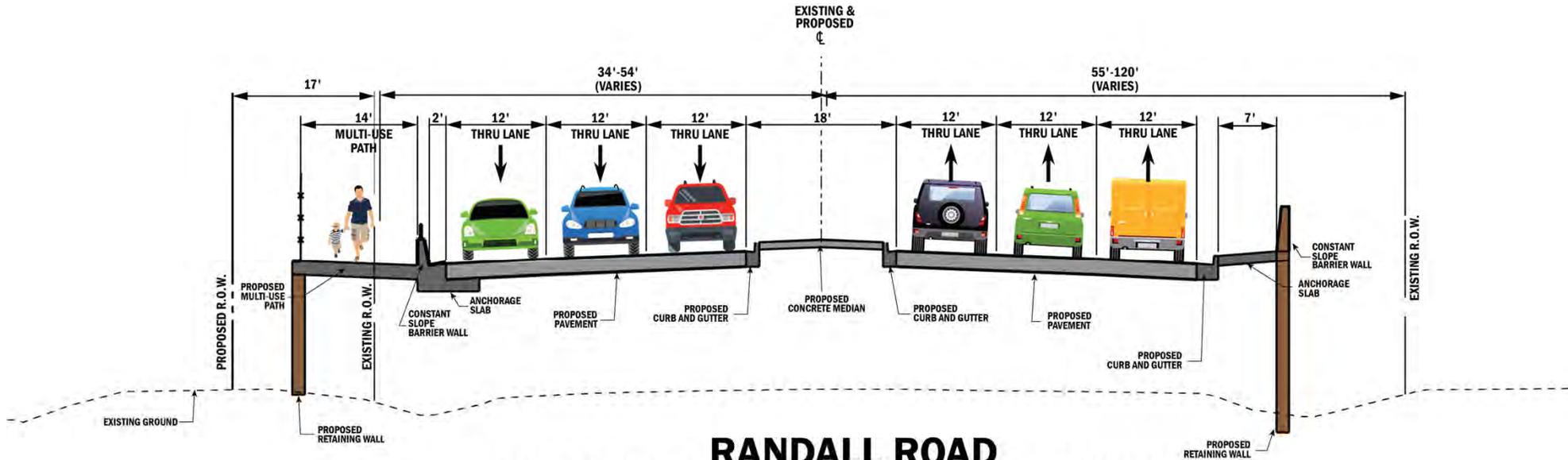
- Realignment of Randall Road and Hopps Road
- Grade Separation of Randall Road over CNRR
- Added 3rd Travel Lane in each direction
- Multi-Use Path along west side of Randall Road
- Landscaped Barrier Median
- Enclosed Drainage System



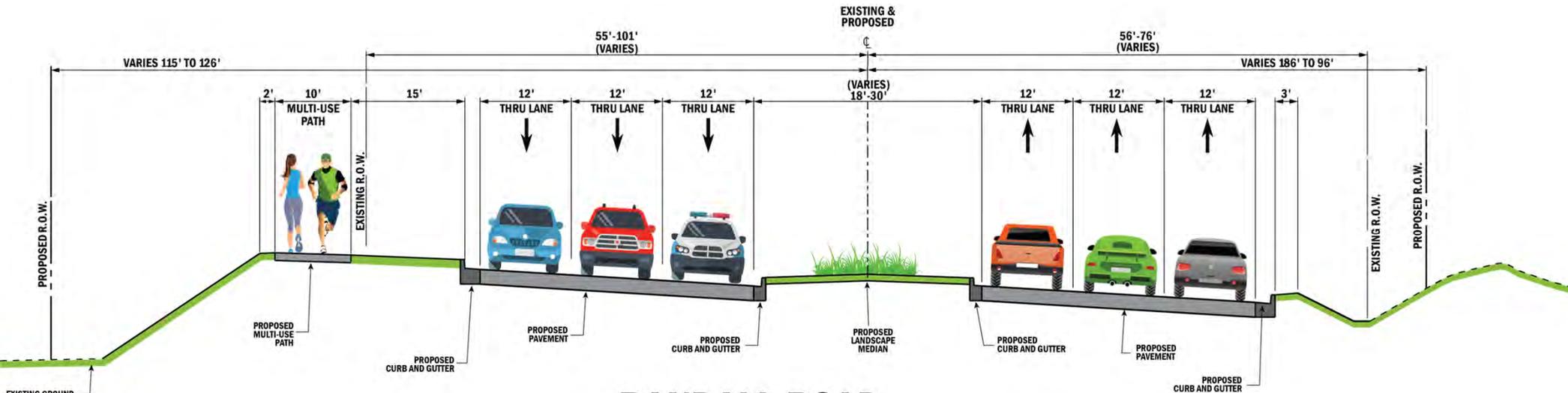
# RANDALL ROAD AT HOPPS ROAD



## TYPICAL SECTIONS



**RANDALL ROAD  
OVER CN RAILROAD (LOOKING NORTH)**



**RANDALL ROAD  
AT GRADE (LOOKING NORTH)**

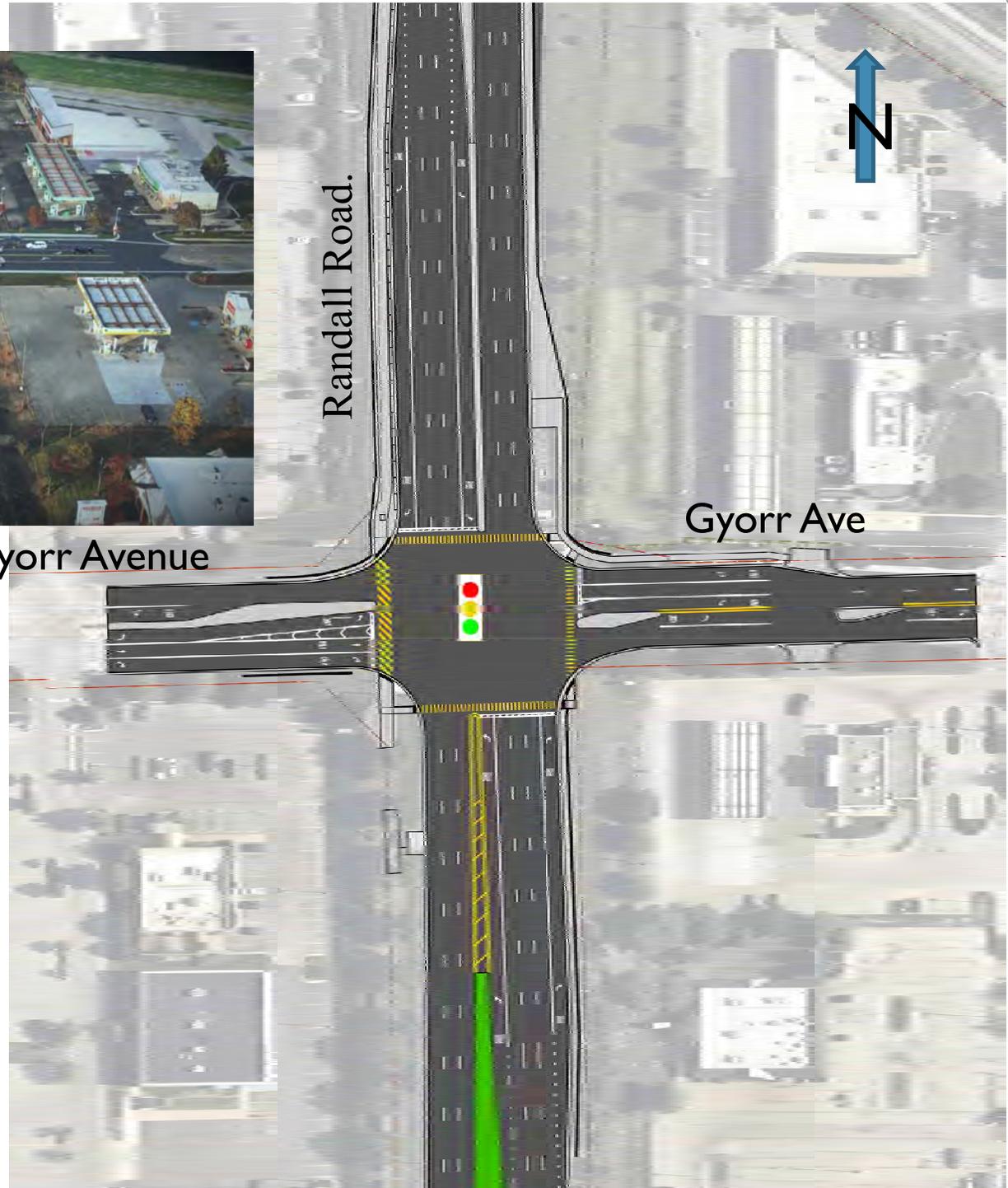
# RANDALL ROAD AT HOPPS ROAD



## PREFERRED ALTERNATIVE



Randall Road looking north at Gyorr Avenue



# RANDALL ROAD AT HOPPS ROAD

## PREFERRED ALTERNATIVE



Randall Road looking north Hopps Road



# RANDALL ROAD AT HOPPS ROAD

## PREFERRED ALTERNATIVE

### Proposed CNRR Grade Separation



# RANDALL ROAD AT HOPPS ROAD

## PROPERTY ACQUISITION AND IMPACTS





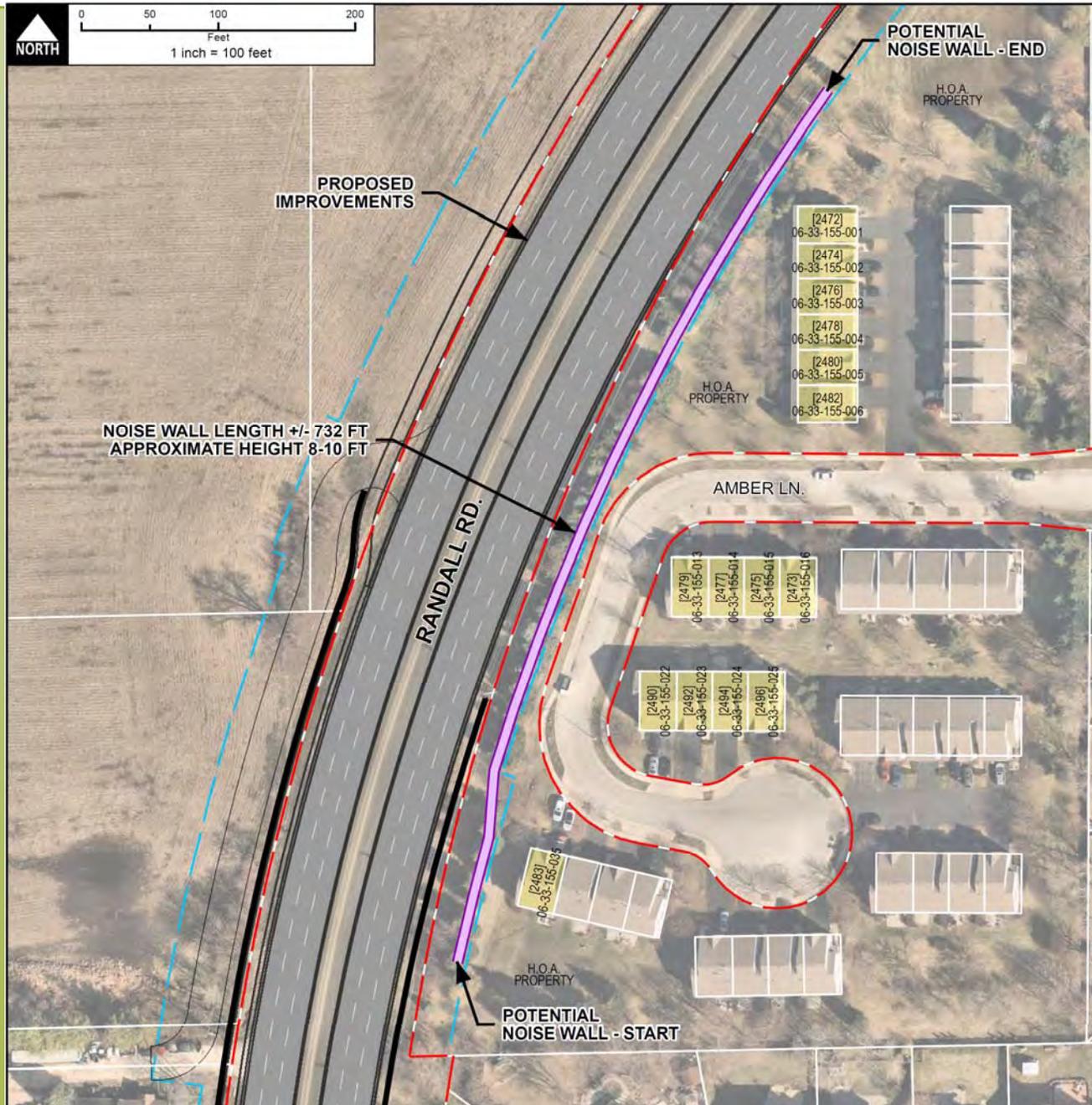
# Traffic Noise Study

# RANDALL ROAD AT HOPPS ROAD



## TRAFFIC NOISE ANALYSIS RESULTS

- An  $\pm 8$  to 10-foot high (avg) traffic noise abatement wall may be constructed along the east side of Randall Road, south of Hopps Road.
- Additional coordination with the benefitted properties will occur as part of Phase II Engineering to determine if the noise wall will be constructed.



### Legend

- POTENTIAL NOISE WALL
- PROPOSED RETAINING WALL
- EXISTING RIGHT-OF-WAY
- PROPOSED RIGHT-OF-WAY
- BENEFITED RECEPTORS

# RANDALL ROAD AT HOPPS ROAD



## TRAFFIC NOISE ANALYSIS RESULTS

Potential Noise Wall





# Land Acquisition

# RANDALL ROAD AT HOPPS ROAD



## LAND ACQUISITION

- Land acquisition is required for this project from a total of **11 property owners**. It includes Fee Simple acquisition of **7.19 acres from 8 property owners** and Temporary Easement of **0.09 acres from 6 properties**.
- The land acquisition process will follow the Federal Uniform Relocation Assistance and Real Property Acquisition Act.
- The County anticipates beginning the land acquisition process for the project during the 2023/2024 timeframe.



### 3 TYPES OF LAND ACQUISITION

### LAND ACQUISITION PROCESS

#### FEE SIMPLE ACQUISITION –

or the acquisition of all rights and interest of real property (i.e. right-of-way)

The land acquisition process involves the following steps:

#### TEMPORARY EASEMENTS –

where underlying ownership is retained by the property owner but access is temporarily allowed only during construction for items such as grading work, driveway construction, and other minor improvements.

1. The ownership of the property is confirmed;
2. A plat of survey drawing is prepared to show the dimensions and amount of property that is being acquired;
3. An independent appraisal is made to determine the fair market value of the property to be acquired;
4. Negotiations begin with an offer to acquire the necessary property at the appraised value;
5. If a settlement cannot be reached, the matter is referred to the courts for acquisition under the law of eminent domain, in which property owners are compensated fair market value for the acquired property.

#### PERMANENT EASEMENTS –

where underlying ownership is retained by the property owner, but access is permanently allowed during and after construction for maintenance of facilities such as drainage structures.



# Zoom Discussion/ Comments





## Questions Submitted via Chat box

1. Please finish typing your questions in the Chat box (3-minute break)
  - All attendees will be able to see other participants questions.
2. We will try to answer the questions “Chatted” during the presentation first.
3. We request that if you have a question pertaining your property, that you contact the project team to setup a time to discuss 1-on-1.

**If you would like to verbally speak, please “RAISE HAND” to be added to the participant speaker list. Verbal comments and questions will be fielded following “Chatted” comments.**



## Verbal Questions and Comments

1. Please “RAISE HAND” to be added to the participant speaker list
  - If a meeting attendee is calling by telephone without using the Zoom Meeting app, the “Raise Hand” option can be controlled by entering \*9 on your phone’s dial pad.
2. Participants will be unmuted one at a time, so everyone has the opportunity to speak and be heard:
  - All participants are encouraged to ask questions and make comments as it relates to the Randall Road at Hopps Road Phase I Study.
  - You will be asked to give your name and address before making a comment or asking a question.
  - Be courteous to fellow participants, even if their opinion may differ from yours.
  - Non-courteous participants can be dismissed from the meeting.

If not addressed within the allotted time today,  
Questions and comments received by:

**August 16, 2022**

will be included in the record for this virtual  
Public Information Meeting

Questions and comments can be submitted via post mail or  
scan and e-mail to:

**Melissa McGhee, PE**  
**Project Manager**

**9575 W Higgins Road, Suite 600**

**Rosemont, IL 60018**

**Email: [mmcghee@cbbel.com](mailto:mmcghee@cbbel.com)**