



**US ROUTE 40**

**Formosa Road to IL Route 162**

PRELIMINARY ENGINEERING STUDY

**WELCOME!**

**Community Advisory Group (CAG)**

**Meeting #1**

***September 16<sup>th</sup>, 2024***

***Tri-Township Park District Office***





**US ROUTE 40**

**Formosa Road to IL Route 162**

PRELIMINARY ENGINEERING STUDY

# INTRODUCTIONS



**Illinois Department of Transportation**

**VOLKERT**



**US ROUTE 40 CAG MEMBERS**

**Formosa Road to IL Route 162**

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## **CAG BINDER**

- ◆ Copy of Today's Presentation
- ◆ PIM #1 Handout
- ◆ Community Context Audit Summary
- ◆ Current Stakeholder Involvement Plan

*\*Please bring to each meeting*





## US ROUTE 40

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# MEETING PURPOSE

- ◆ Introduce the US Route 40 Study to the Community Advisory Group.
- ◆ Discuss the purpose of the Community Advisory Group and participants' role in the Context Sensitive Solutions (CSS) process.
- ◆ Identify and discuss existing transportation, economic, and community issues and needs in the study corridor.
- ◆ Document existing conditions in the study corridor, including community characteristics important to residents, businesses, and stakeholders.







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# AGENDA

- ◆ Study Overview & Process
- ◆ Context Sensitive Solutions & the Community Advisory Group
- ◆ Project Specifics
- ◆ Community Context & Characteristics Exercise
- ◆ DRAFT Problem Statement
- ◆ Questions and Closing Remarks



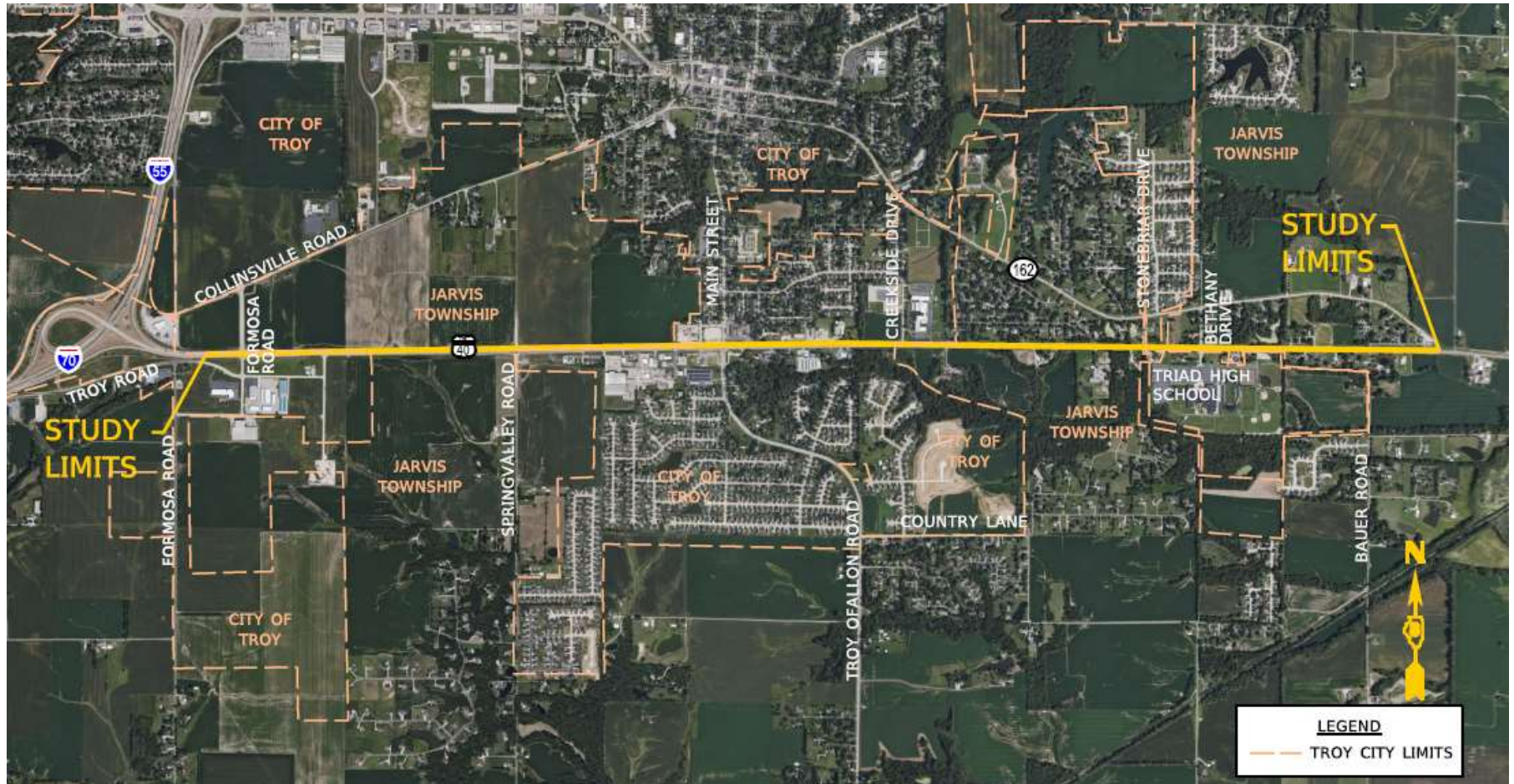


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# STUDY LIMITS



<https://idot.click/us-40-troy>



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# PROJECT DEVELOPMENT PROCESS

### *US Route 40 Study*

## PHASE I

Preliminary Engineering &  
Environmental Studies

**WE ARE HERE**

*Phase Identified in Current MYP*

## PHASE II

Contract Plan Preparation  
& Land Acquisition

*Phase Identified  
in Current MYP*

PHASE III  
Construction







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PRELIMINARY ENGINEERING STUDY

## PRELIMINARY ENGINEERING & ENVIRONMENTAL STUDIES

### Phase I Focus:

- ◆ Identify transportation needs along the corridor, the “Problem to be Fixed”
- ◆ Collect information about a variety of resources (wetlands, historic, socio-economic, etc.)
- ◆ Develop a broad range of transportation solutions to the “Problem” (widening, intersection, drainage, etc.)
- ◆ Study and document potential benefits along with effects and mitigate if feasible
- ◆ Determine and identify transportation improvements to US Route 40 that benefit the traveling public





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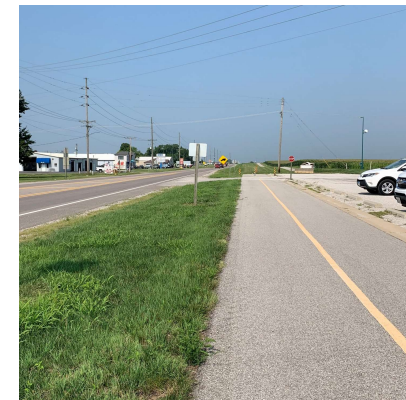
**Formosa Road to IL Route 162**

PRELIMINARY ENGINEERING STUDY

# ENVIRONMENTAL REVIEW

## What topics are being studied?

- Air quality
- Community and social resources
- Ecology and natural resources
- Economics
- Farmland
- Floodplains
- Historical and archaeological resources
- Land use
- Noise
- Parks and recreation
- Soils and geology
- Regulated substances
- Vegetation
- Visual resources
- Water quality
- Wetlands





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## CONTEXT SENSITIVE SOLUTIONS (CSS)

### CSS Process:

- ◆ Collaborative process to involve stakeholders in decision making
- ◆ Fits improvement into its surroundings, “its context”
- ◆ Maintains safety and mobility
- ◆ Addresses all modes of transportation
- ◆ Preserves scenic, economic, historic, and natural qualities





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## **PROJECT STUDY GROUP (PSG)**

### Project Study Group (PSG)

- ◆ An essential component of IDOT's CSS procedures is the Project Study Group (PSG).
- ◆ CAG to provide insight to IDOT on the concerns and challenges along the corridor
- ◆ FHWA provides project oversight to the PSG.

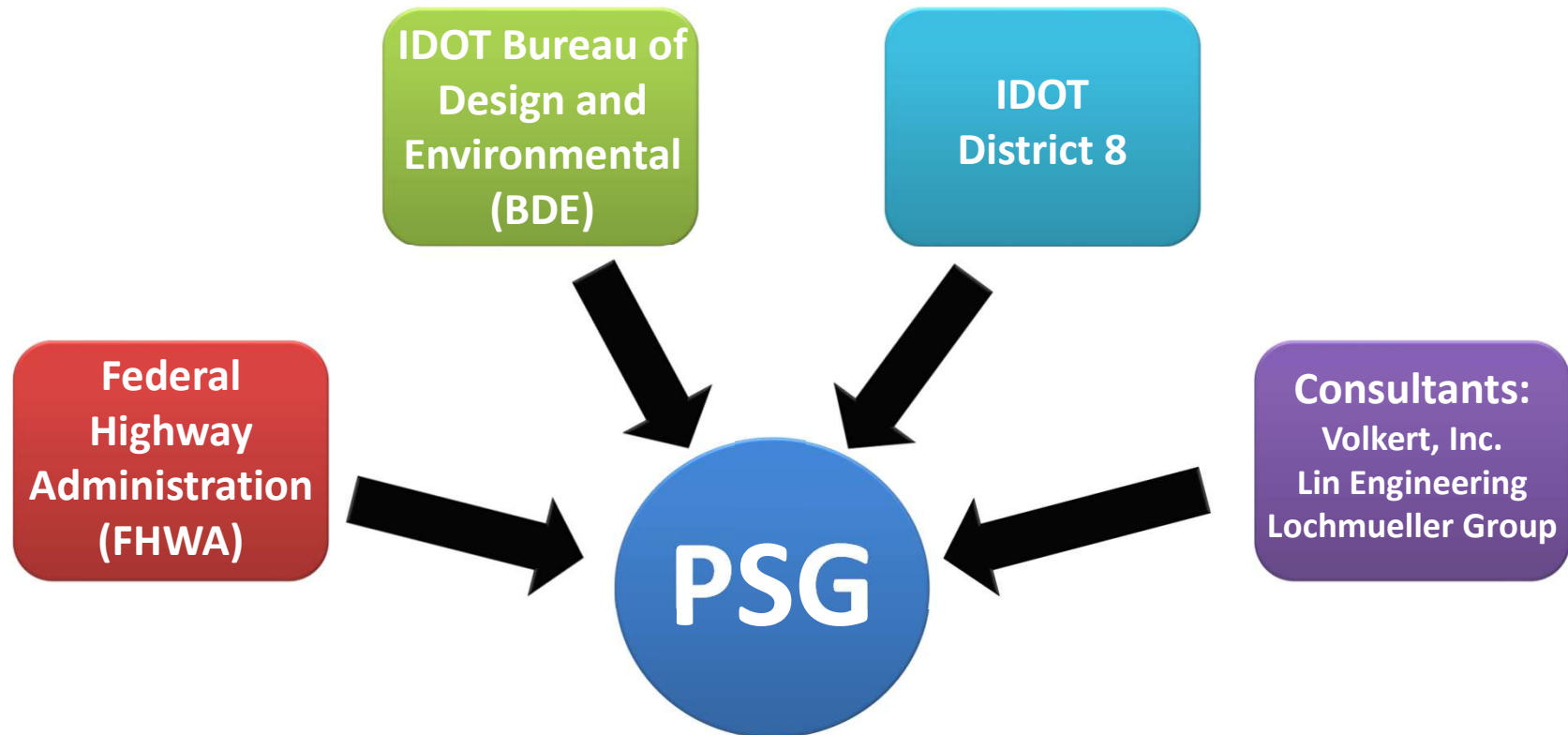




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# PROJECT STUDY GROUP (PSG)







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## WHO IS A STAKEHOLDER?

- ◆ Property Owners
- ◆ Residents
- ◆ Businesses
- ◆ Local Officials
- ◆ Regulatory Agencies
- ◆ Policy Advocates
- ◆ Special Interest Groups
- ◆ Commuters/Travelers
- ◆ General Public
- ◆ Fire & Emergency Services





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# COMMUNITY ADVISORY GROUP (CAG)

A **Community Advisory Group (CAG)** is a group of voluntary community members, including study area residents, businesses, and property owners, representing a broad range of interests.

The community-based working group provides input to the PSG during the planning and design process to identify:

- stakeholder interests and values
- improvement options
- evaluate the potential effects of those options on community resources





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# **CAG GROUND RULES**

- ◆ Stakeholder input is duly considered in order to yield the best solutions to problems identified by the process.
- ◆ Input from all participants in the process is valued and considered.
- ◆ All participants must keep an open mind and participate openly, honestly, and respectfully.
- ◆ **All participants work collaboratively and cooperatively to seek a consensus solution. Consensus is defined as “when a majority of the stakeholders agrees on a particular issue, while the remainder of stakeholders agrees their input has been heard and duly considered and that the process as a whole was fair.” *Note: The Project Study Group may elect to move the process forward in instances where consensus cannot be achieved.***





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## **CAG GROUND RULES [CONT.]**

- ◆ All participants in the process must treat each other with respect and dignity.
- ◆ The project must progress at a reasonable pace, based on the project schedule.
- ◆ IDOT will serve as the lead agency and make final project decisions with FHWA oversight.
- ◆ Meetings will be documented, and meeting summaries will be made available to the public.
- ◆ Participants should express their ideas, feelings, and concerns so that the group can consider them during the study.
- ◆ Participants should support the guidance provided by the CAG facilitator.





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## PROJECT SPECIFICS

**So what do we know about US Route 40  
from Formosa Road to IL Route 162?**





## US ROUTE 40

Formosa Road to IL Route 162

PRELIMINARY ENGINEERING STUDY

# US ROUTE 40 ROADWAY

- ◆ A primary East-West corridor in Madison County
- ◆ Increasing traffic volumes
- ◆ Varies from two lanes with various medians, shoulders and turn lanes to four lanes at west end of study limits
- ◆ Serves both local and regional traffic





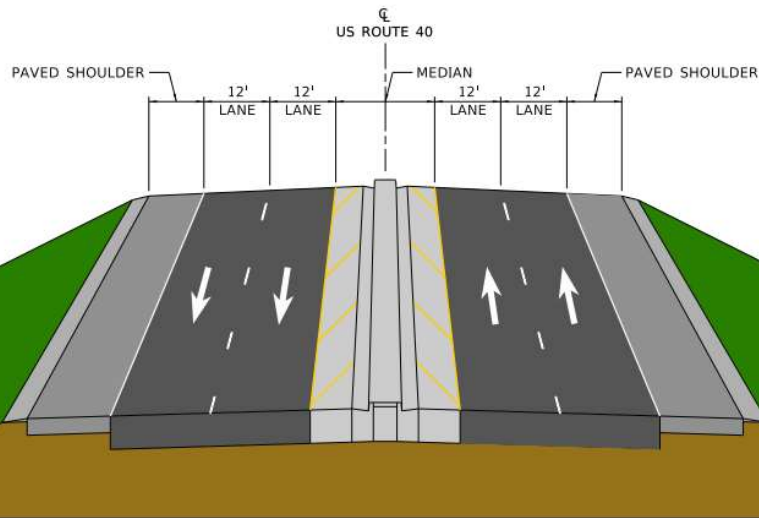


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Formosa Road to IL Route 162

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# US ROUTE 40 ROADWAY



EXISTING US ROUTE 40 TYPICAL SECTION



<https://idot.click/us-40-troy>



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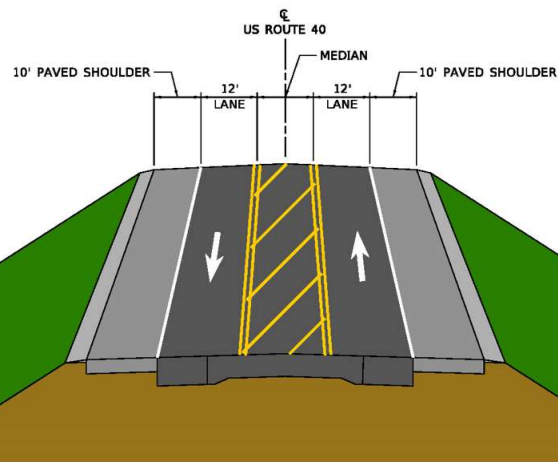


## US ROUTE 40

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# US ROUTE 40 ROADWAY



EXISTING TYPICAL SECTION





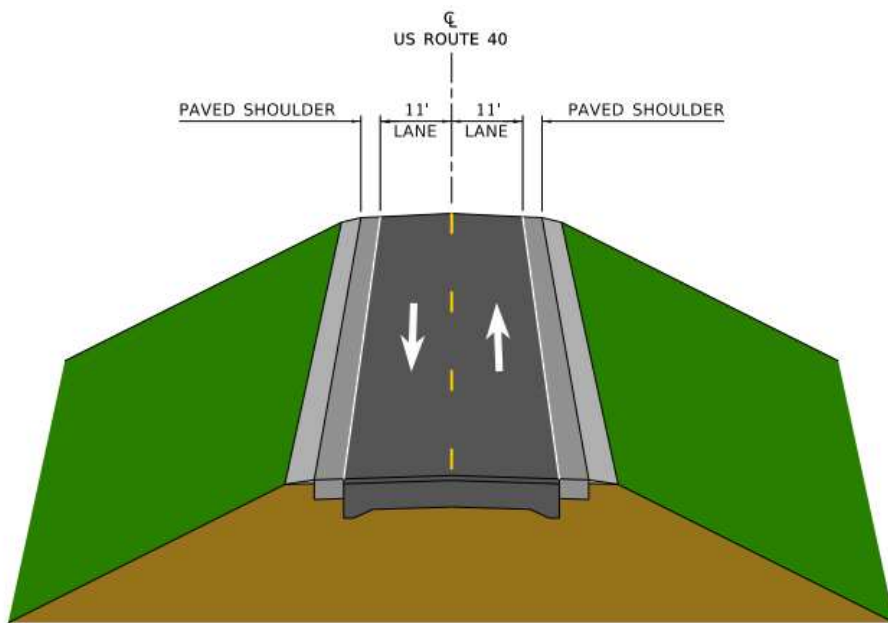


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# US ROUTE 40 ROADWAY



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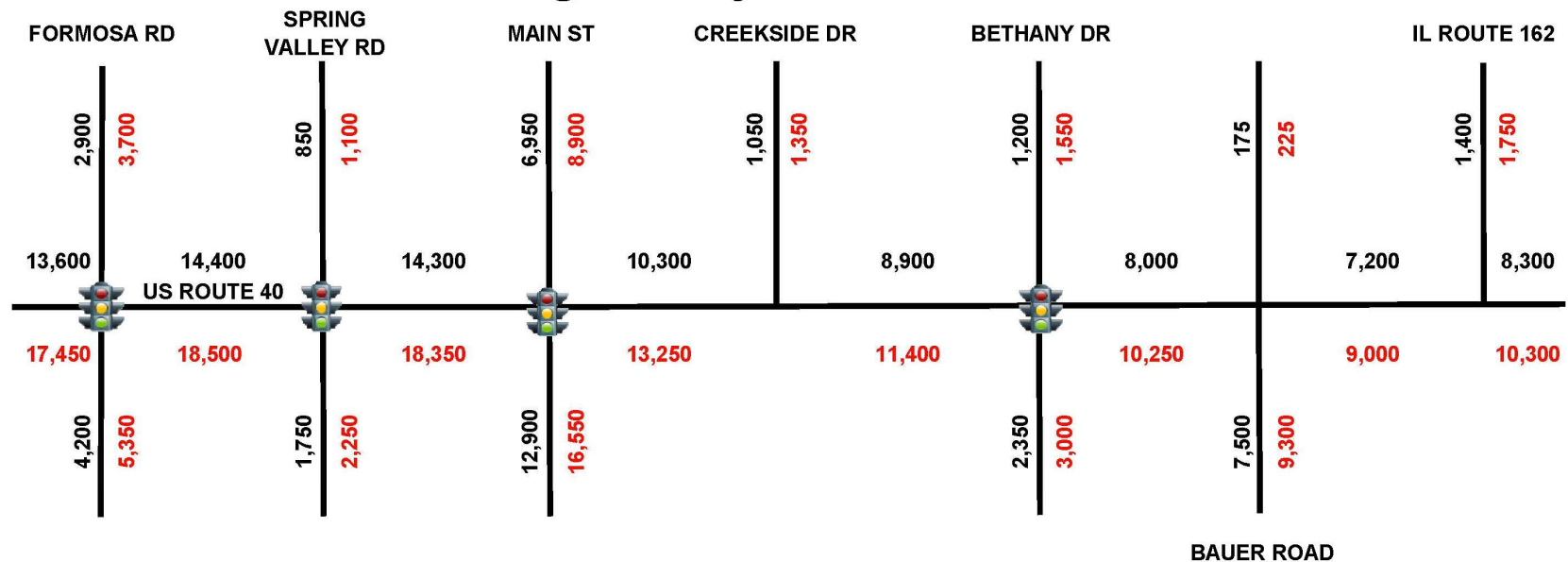
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# TRAFFIC VOLUMES US ROUTE 40

## Average Daily Traffic Volumes



XX,XXX EXISTING (2021) AVERAGE  
DAILY TRAFFIC

**LEGEND**  
XX,XXX PROJECTED (2046) AVERAGE  
DAILY TRAFFIC



EXISTING SIGNALIZED  
INTERSECTION







## US ROUTE 40

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# TRAFFIC VOLUMES US ROUTE 40



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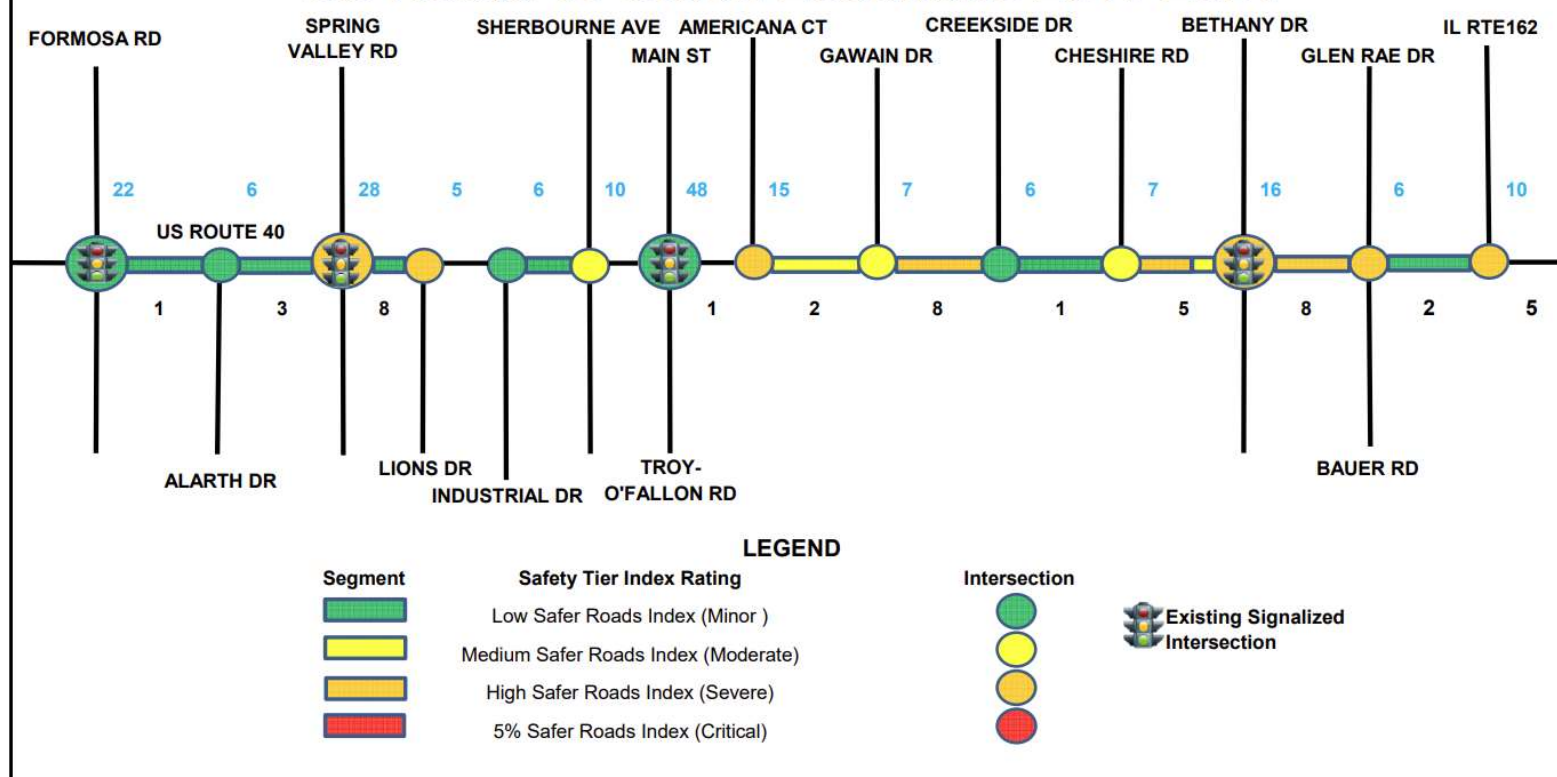
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# CRASHES

### US Route 40 Crash Locations 2017-2021





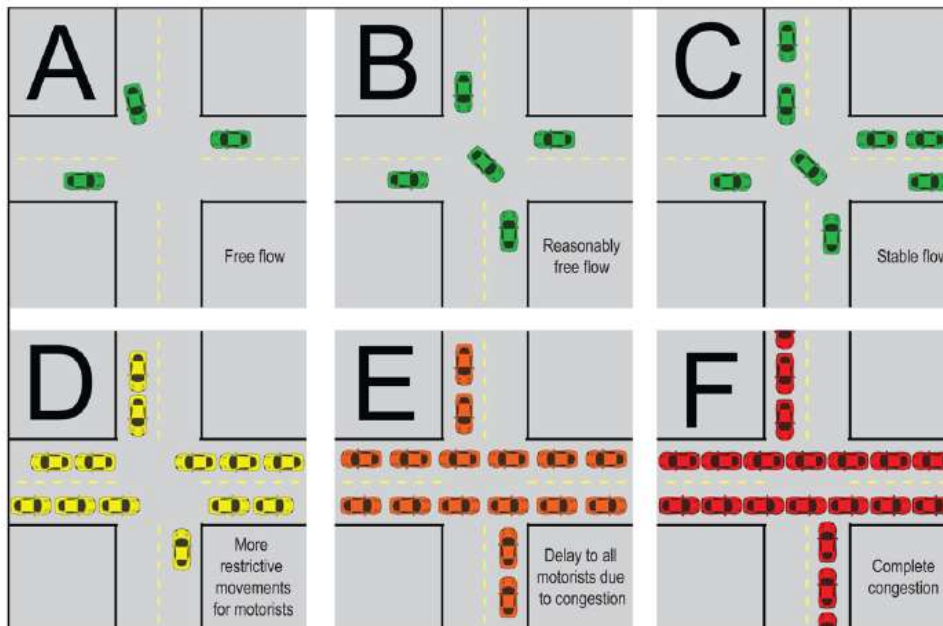


## US ROUTE 40

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# LEVEL OF SERVICE US ROUTE 40

## What is Level of Service (LOS)?



Level of Service	Intersections	
	Signalized	Unsignalized
Delay per Vehicle (sec/veh)		
A	<10	0-10
B	>10-20	>10-15
C	>20-35	>15-25
D	>35-55	>25-35
E	>55-80	>35-50
F	>80	>50

Level of Service	2-Lane Facility	
	Posted Speed ≥ 50 mph	Posted Speed < 50 mph
Follower Density (followers/mi)		
A	≤ 2.0	≤ 2.5
B	> 2.0-4.0	> 2.5-5.0
C	> 4.0-8.0	> 5.0-10.0
D	> 8.0-12.0	> 10.0-15.0
E	> 12.0	> 15.0
F	Demand exceeds capacity	





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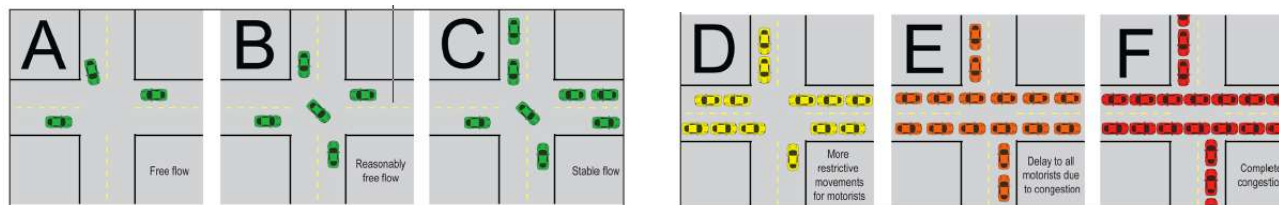
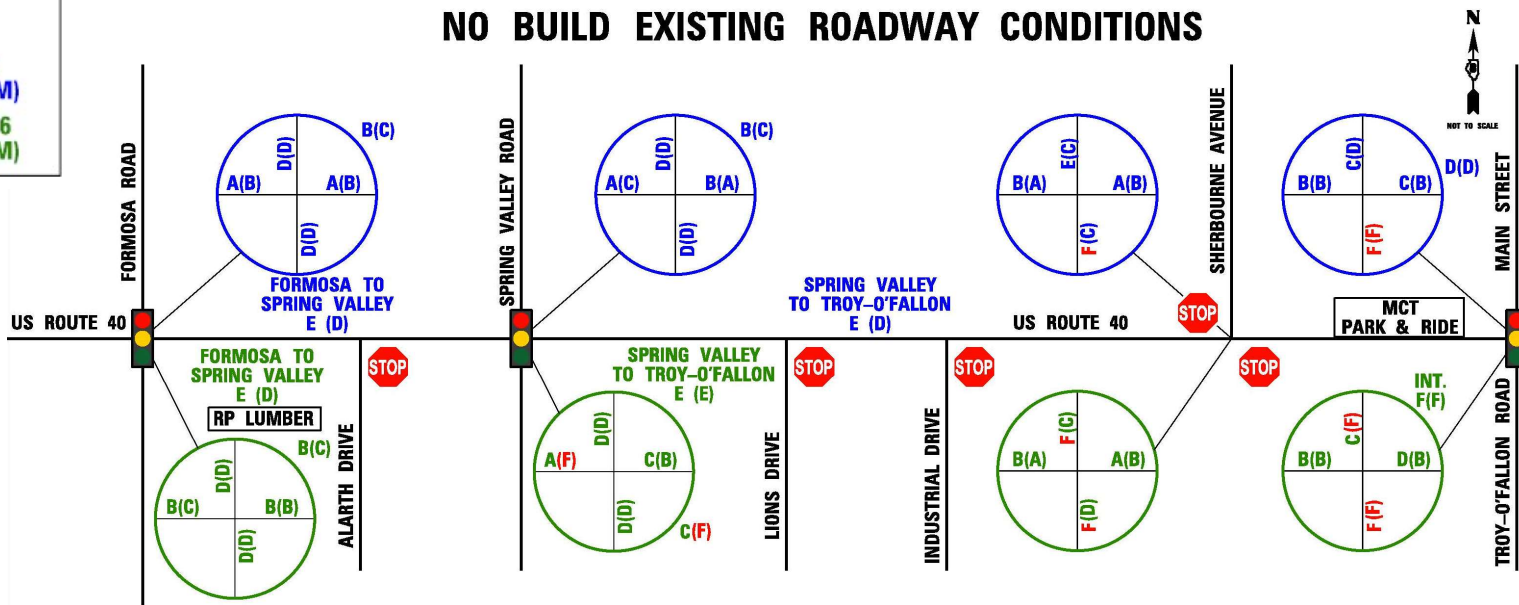
# LEVEL OF SERVICE US ROUTE 40

### LEGEND

BASE YEAR 2026  
NO BUILD AM (PM)

DESIGN YEAR 2046  
NO BUILD AM (PM)

## NO BUILD EXISTING ROADWAY CONDITIONS





## US ROUTE 40

Formosa Road to IL Route 162

PRELIMINARY ENGINEERING STUDY

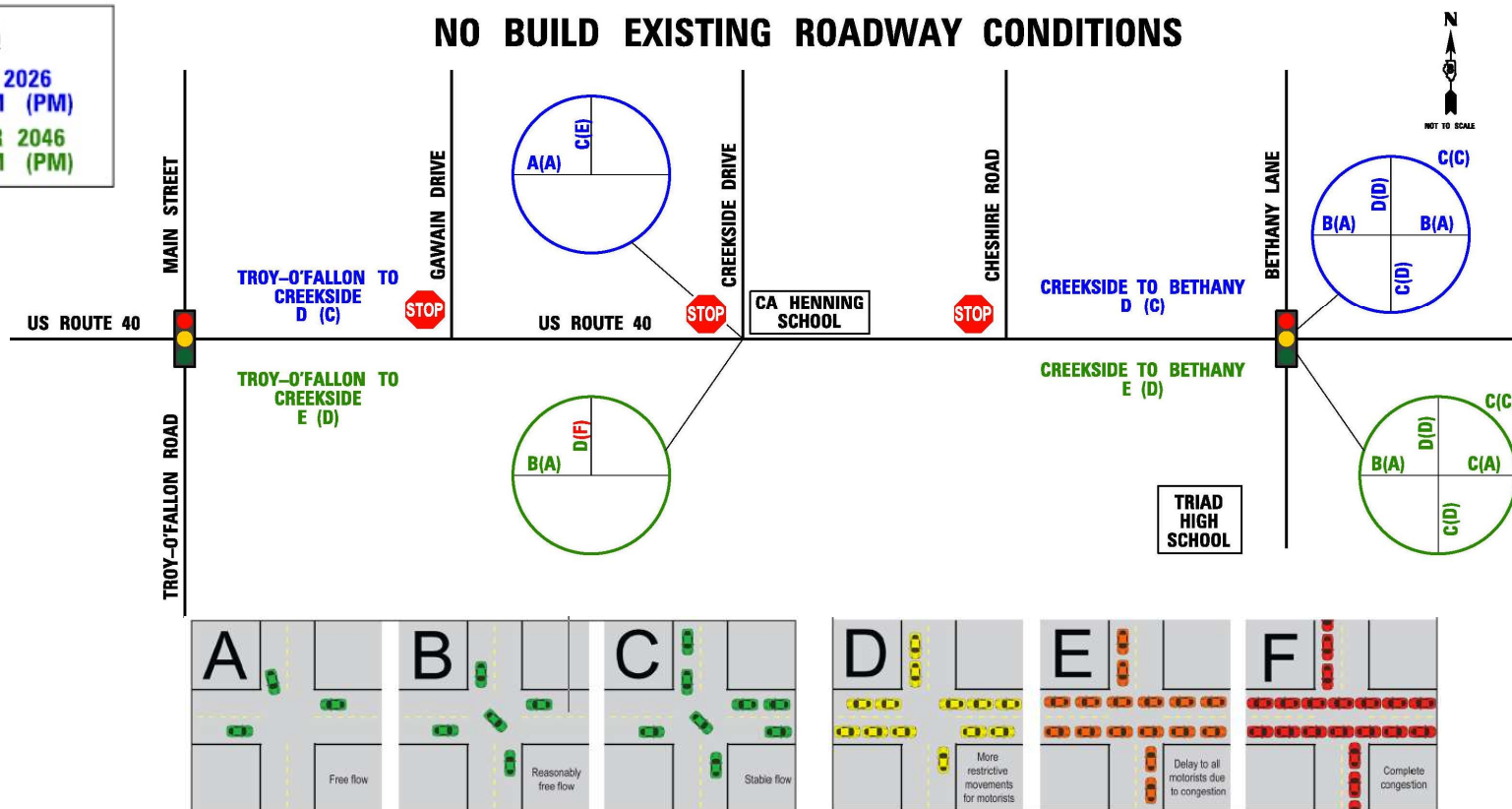
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## BICYCLE & PEDESTRIAN ACCOMMODATIONS

- IDOT considers the travel needs of all users of a transportation corridor, including bicyclists and pedestrians.
  - ✓ Discontinuous bicycle paths and sidewalks along with pedestrian crossing accommodations at signalized intersections are sporadic.
  - ✓ Connection of the roadway to pedestrian & bicycle paths, and bus routes







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# PUBLIC MEETING COMMENTS

- ◆ Congestion, access and safety issues
- ◆ Crosswalks, sidewalks, and street lighting concerns
- ◆ Access to businesses
- ◆ Speed limit reductions along the corridor
- ◆ Extend Project Limits to the East
- ◆ Work with property owners along the route
- ◆ ROW Concerns





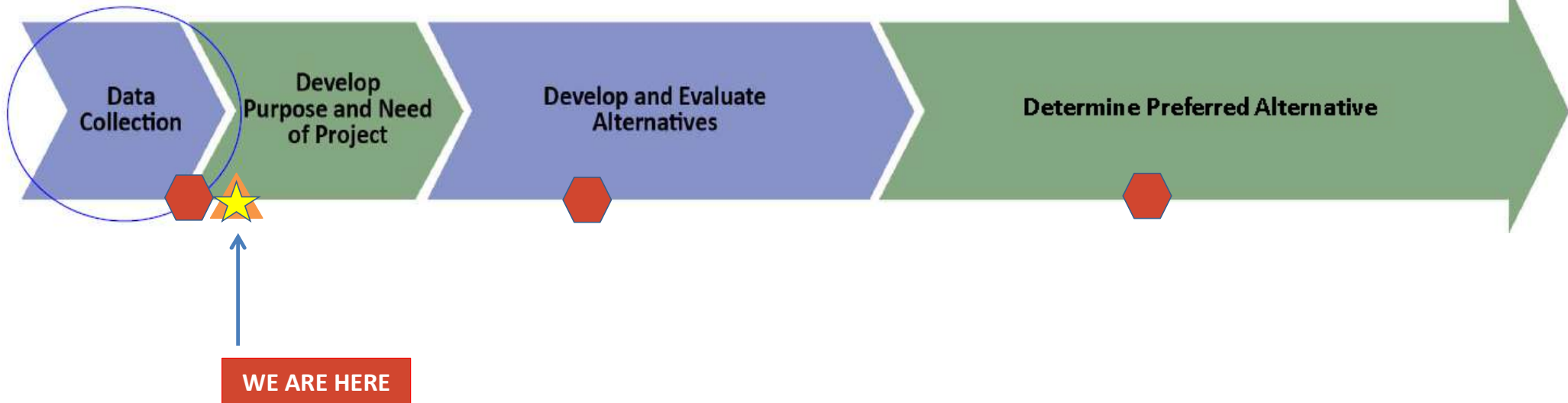
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# PHASE I SCHEDULE

## PUBLIC INVOLVEMENT



PUBLIC INVOLVEMENT MEETING (PIM)



COMMUNITY ADVISORY GROUP MEETING (CAG)



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PRELIMINARY ENGINEERING STUDY

## STUDY CORRIDOR ISSUES & NEEDS *GROUP EXERCISE*

### Group Exercise:

- ◆ Individually list issues and needs
- ◆ Meet in small groups to discuss and identify prominent issues
- ◆ Share your ideas with small group
- ◆ Report out to large group





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## STUDY CORRIDOR ISSUES & NEEDS

***LARGE GROUP: 5 MINS***

- ◆ List issues and needs along the study corridor that are important to you
- ◆ Topics may be general or specific
- ◆ No limit to the number of issues and needs, although not all can be resolved by this improvement or IDOT
- ◆ There are no wrong answers





## US ROUTE 40

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## STUDY CORRIDOR ISSUES & NEEDS *AS A SMALL GROUP:*

**20 MINS**

- ◆ Share your ideas with small group
- ◆ Select 5-7 most prominent issues/needs
- ◆ Document issues/needs on provided poster board
- ◆ Choose a representative to present results





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Formosa Road to IL Route 162

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## STUDY CORRIDOR ISSUES & NEEDS AS A LARE GROUP:

**15 MINS**

- ◆ Each small group reads aloud the top 5-7 issues/needs
- ◆ The group discusses the comments
- ◆ Facilitator groups similar issues/needs for review and discussion







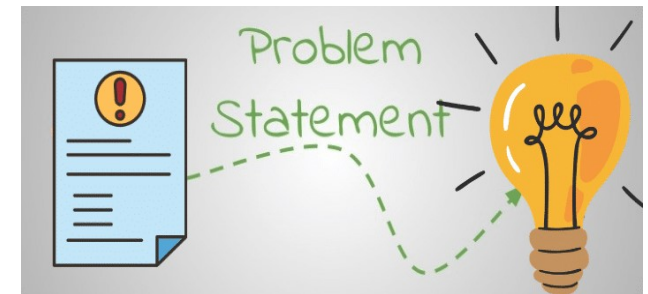
**US ROUTE 40**

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PRELIMINARY ENGINEERING STUDY

# PROJECT PROBLEM STATEMENT

- A project Problem Statement is a concise narrative which is prepared for a project to define the problem to be solved.
- The important point is to focus on addressing the underlying transportation problems. Examples are age of infrastructure, unacceptable traffic congestion, crashes, etc. in the study area.
- Alternatives to be developed will be evaluated for how well they address the issues identified in the Problem Statement.





## US ROUTE 40

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# PROJECT PROBLEM STATEMENT

## EXAMPLES

“The existing bridge carrying I-270 over the Missouri River connecting Illinois and Missouri is aging and in need of continual repairs. There is a need to provide a sustainable, long-term solution that increases safety, accommodated future traffic growth, and provides for the continues movement of regional and national goods and services while preserving the environmental, recreational and economic viability within the project area.”

“The transportation problem along Illinois Route 3 between Vandebrook Drive and North Market Street in Waterloo is poor intersection performance and traffic congestion throughout the corridor resulting in traffic delays and safety concerns for the users of the corridor.”

“The problem with US 30 in Whiteside County from Fulton to Rock Falls is increasing traffic volume and congestion which overloads the area-wide traffic system, compromises safety, mobility and reduces the quality of life of the adjacent communities. There is a need for improved economic development and accessibility to the region while preserving agricultural and environmentally significant areas.”







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## **PROJECT PROBLEM STATEMENT**

### **DRAFT PROBLEM STATEMENT**

**“The transportation concerns with US Route 40 from Formosa Road to IL Route 162 are increasing traffic volumes and congestion along the corridor, along with a number of crashes, which overloads the area-wide traffic system. This in turn compromises safety, mobility and impacts the quality of life of the community which could be enhanced through improvements to the corridor.”**





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## **COMMUNITY CONTEXT AUDIT SUMMARY**

### **BASED ON FEEDBACK FROM THE CCA FORMS:**

- Speed Limit
- Entrances
- Traffic Congestion
- Crashes
- Mobility
- Pedestrian Accommodations
- Street Lighting
- Economic Development





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# MEETING SUMMARY & NEXT STEPS

- ◆ Summary
- ◆ Next CAG Meeting
  - ◆ Finalize Problem Statement
  - ◆ Potential Solutions
  - ◆ Typical Section Alternatives
- ◆ Contact Sarah Wiskon from IDOT
  - ◆ Email: [sarah.wiskon@illinois.gov](mailto:sarah.wiskon@illinois.gov)
  - ◆ Phone: 618-346-3309





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***THANK YOU FOR  
YOUR ATTENDANCE***

