



Illinois 83/137 Study

WELCOME!

Community Advisory Group (CAG)

Meeting #2

September 5, 2012

Village of Libertyville Town Hall



Introductions



Illinois Department of Transportation

VOLKERT

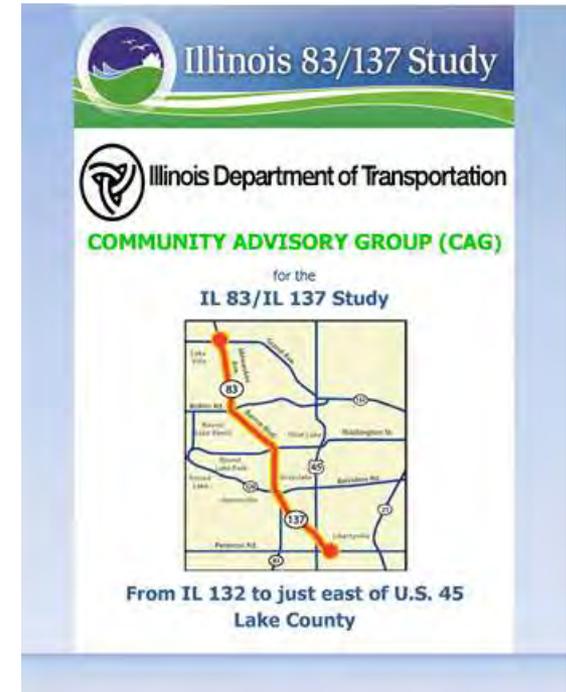


Binder *



- ◆ Presentation
- ◆ Agenda
- ◆ Meeting Minutes – CAG #1
- ◆ Draft Problem Statement

**Please bring to each meeting*



Meeting Purpose



- ◆ Review issues/concerns from CAG Meeting #1
- ◆ Obtain a general agreement on the Project Problem Statement
- ◆ Review and discuss Purpose and Need Statement
- ◆ Identify project goals



IL 83/IL 137 Study



- ◆ Along IL 83/IL 137 in Lake Co. from IL 132 to just east of U.S. 45
- ◆ Through Lake Villa, Round Lake Beach, Grayslake and Libertyville
- ◆ The existing lane configuration varies from 2 through lanes with various turn lanes to 5 lanes



Project Development Process



IL 83/IL 137 Study

PHASE I

Preliminary Engineering &
Environmental Studies



WE ARE HERE

Currently Not Funded

PHASE II

Contract Plan Preparation
& Land Acquisition



Currently Not Funded

PHASE III
Construction



CAG Meeting # 1 Overview



Topic	Level of Importance
Multi-Modal Transportation	
Pedestrian and bike paths	••••••••
Multi-modal transportation	••
Safety	
Safety (speed zones, multi-modal transportation, pedestrians, and sidewalks)	••••••••
Safety – turn lanes, pedestrians, speed limits	•••
Aesthetics	
Preserve community character (physical appearance)	•••
Aesthetic design	•
Aesthetics (sidewalks both sides, lighting, etc., signage)	•
Access and Mobility	
Improve movement of traffic	••••••••
Full movement access for all	•
Environmental Impacts	
Protect environmental features, including Rollins Savanna and streams	••••••••
Schools	
Schools - access, safety, and property impacts	••••••••
Economic Impacts	
Right-of-way acquisition and construction effect on business owners and property owners	•••
Economics and funding	••

Project Problem Statement



Draft Problem Statement:

“The environment surrounding IL 83 and IL 137 from IL 132 to U.S. 45 in Lake County is encompassed by homes, numerous schools, businesses, parks and open lands that have shaped the surrounding communities character and values. The restricted flow of traffic and lack of connectivity to these important resources creates an impediment to mobility and access for vehicles, pedestrians, and bicyclists. It is essential that the IL 83/IL 137 project preserve these community characteristics while improving the overall safety, identifying multi-modal opportunities, and reducing congestion.”



Purpose and Need Statement

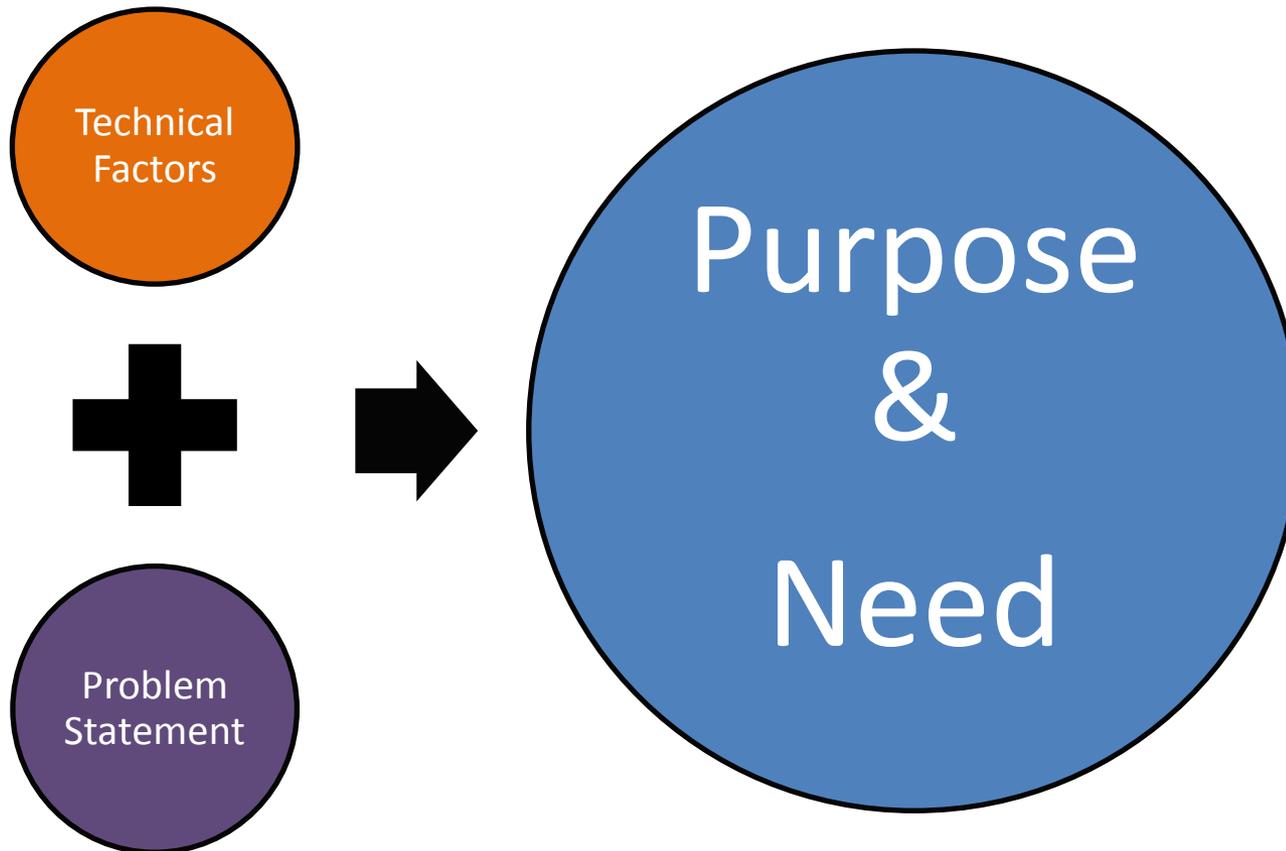


- ◆ Required as part of an Environmental Assessment (EA)
- ◆ Consists of three parts:
 - Purpose
 - Need
 - Goals/Objectives
- ◆ Serves as the foundation for the identification and evaluation of project alternatives
 - How does a proposed solution address the **PURPOSE** of the project?
 - How does the proposed solution address the **NEED** for improvements?



Purpose and Need Statement

What goes into the Purpose & Need?



Purpose and Need Statement

Process Steps



Regulatory Agency & Public Input

Technical Factors & Problem Statement

Purpose & Need

Reasonable Alternatives

Preferred Alternative



Purpose and Need Statement



Why is the Purpose & Need Important?

- ◆ Required by the National Environmental Policy Act (NEPA)
- ◆ Identifies what action needs to be taken
- ◆ Demonstrates problems that already exist or which will exist if a project is not implemented
- ◆ Justifies the need for action
- ◆ Helps define what constitutes a reasonable alternative
- ◆ Does not recommend a preferred alternative



Purpose and Need Statement

Draft Project Purpose



The purpose of the proposed action is to increase safety, relieve traffic congestion, and improve multi-modal opportunities along IL 83/IL 137 from IL 132 to just east of U.S. 45.



Purpose and Need Statement

Draft Project Need



The proposed project is needed to improve the safety of the roadway, address traffic congestion, and increase multimodal opportunities.



Existing Conditions

Roadway Safety



- ◆ A total of 1,188 crashes were reported
- ◆ Rear end crashes account for the highest percentage of crashes, followed by turning crashes
- ◆ Of the 1,188 crashes
 - * 257 resulted in minor injuries
 - * 41 resulted in severe injuries
 - * 2 resulted in a fatality
- ◆ The Intersection of IL 83 and Rollins Road identified as a “top five percent crash location”

CRASH TYPE (2006-2009)	%
Rear End	58%
Turning	19%
Fixed Object	6%
Angle	5%
Sideswipe (Same Direction)	4%
Animal	3%
Sideswipe (Opposite Direction)	1%
Other Object	1%
Overtaken	1%
Other (non-collision)	1%
Head on	1%
Parked Vehicle	1%

CRASH SEVERITY (2006-2009)	TOTAL
Injury (Minor)	257
Injury (Severe)	41
Fatality	2



Existing Conditions

No-Build Scenario



- ◆ Under the terms of the National Environmental Policy Act (NEPA), all actions must be compared against the base case of doing.
- ◆ The “No Build” alternative, however, does not imply that existing facilities will not be maintained as needed. Maintenance of existing facilities will continue no matter what alternative is selected.
- ◆ The impacts, benefits, and costs of all alternatives associated with each alternative are compared to the "No Build" alternative.
- ◆ In this way, various build alternatives under consideration will have reasonable and realistic conditions to which alternatives’ projected effects can be compared.

Existing Conditions

Traffic



- ◆ Along IL 83 and IL 137, the average daily traffic (ADT) ranges from 15,000 to 23,200 vehicles per day
 - * 16,600 vehicles per day at north end of project, near IL 132
 - * Increases to 23,200 vehicles per day just north of Washington Street
 - * Decreases to 15,000 vehicles per day at south end of project, near the intersection of IL 137 and U.S. 45

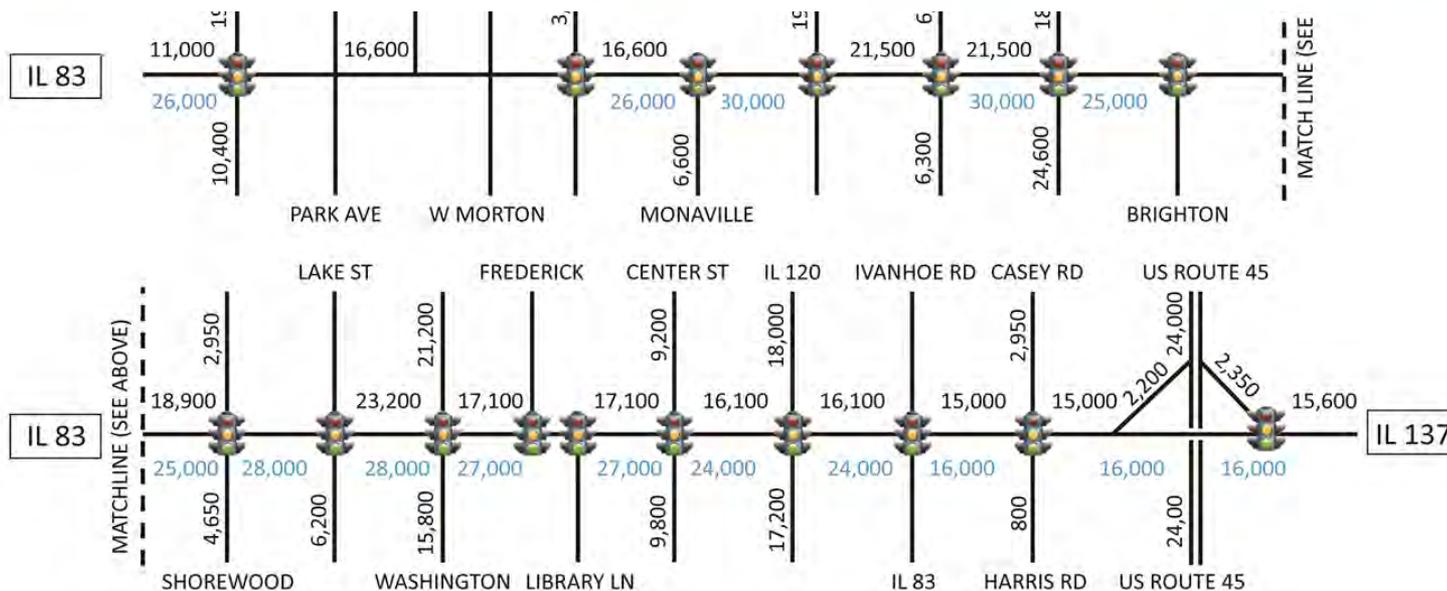
Existing Conditions

Projected Traffic by CMAP



Existing Conditions

Projected Traffic by CMAP



LEGEND

 EXISTING SIGNALIZED INTERSECTION	00,000 EXISTING (2009) AVERAGE DAILY TRAFFIC ROUNDED TO NEAREST 100 VEHICLES	00,000 PROJECTED (2040) AVERAGE DAILY TRAFFIC
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Existing Conditions

Other Major Projects



- ◆ Lake County – Rollins Road Reconstruction
<http://rollinsroadgateway.com>
- ◆ Lake County - Proposed Central Lake Thruway
<http://www.120now.com>
- ◆ Illinois Tollway – IL 53 Extension
<http://illnoistollway.com>
- ◆ Village of Grayslake – Atkinson Road Extension
<http://www.villageofgrayslake.com>





LAKE COUNTY

Rollins Road Reconstruction

Other Major Projects



Rollins Road

83

1 inch = 208 feet

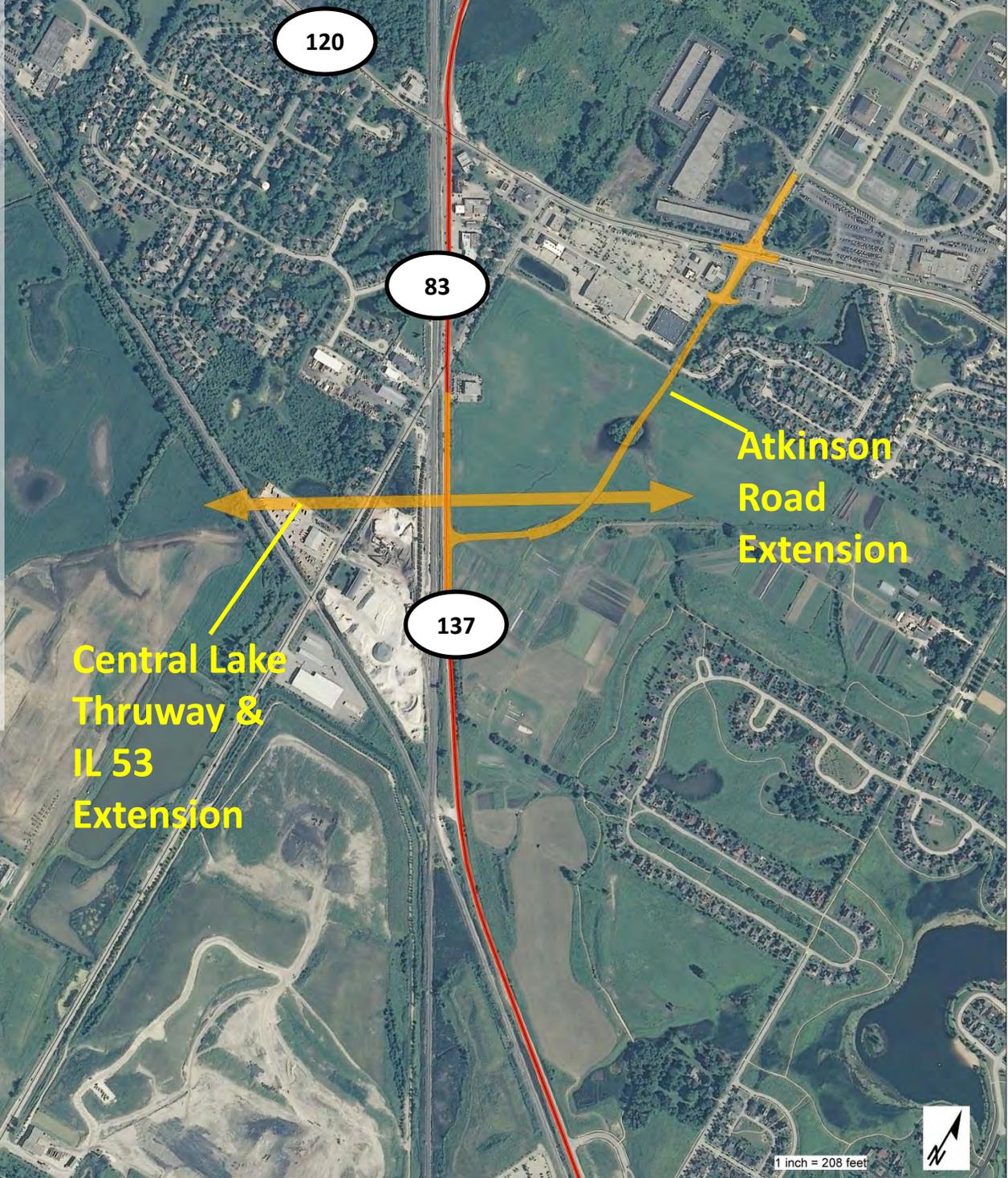




LAKE COUNTY/ ILLINOIS TOLLWAY/ VILLAGE OF GRAYSLAKE

Proposed Central Lake Thruway/ IL 53/Atkinson Road Extension

Other Major Projects



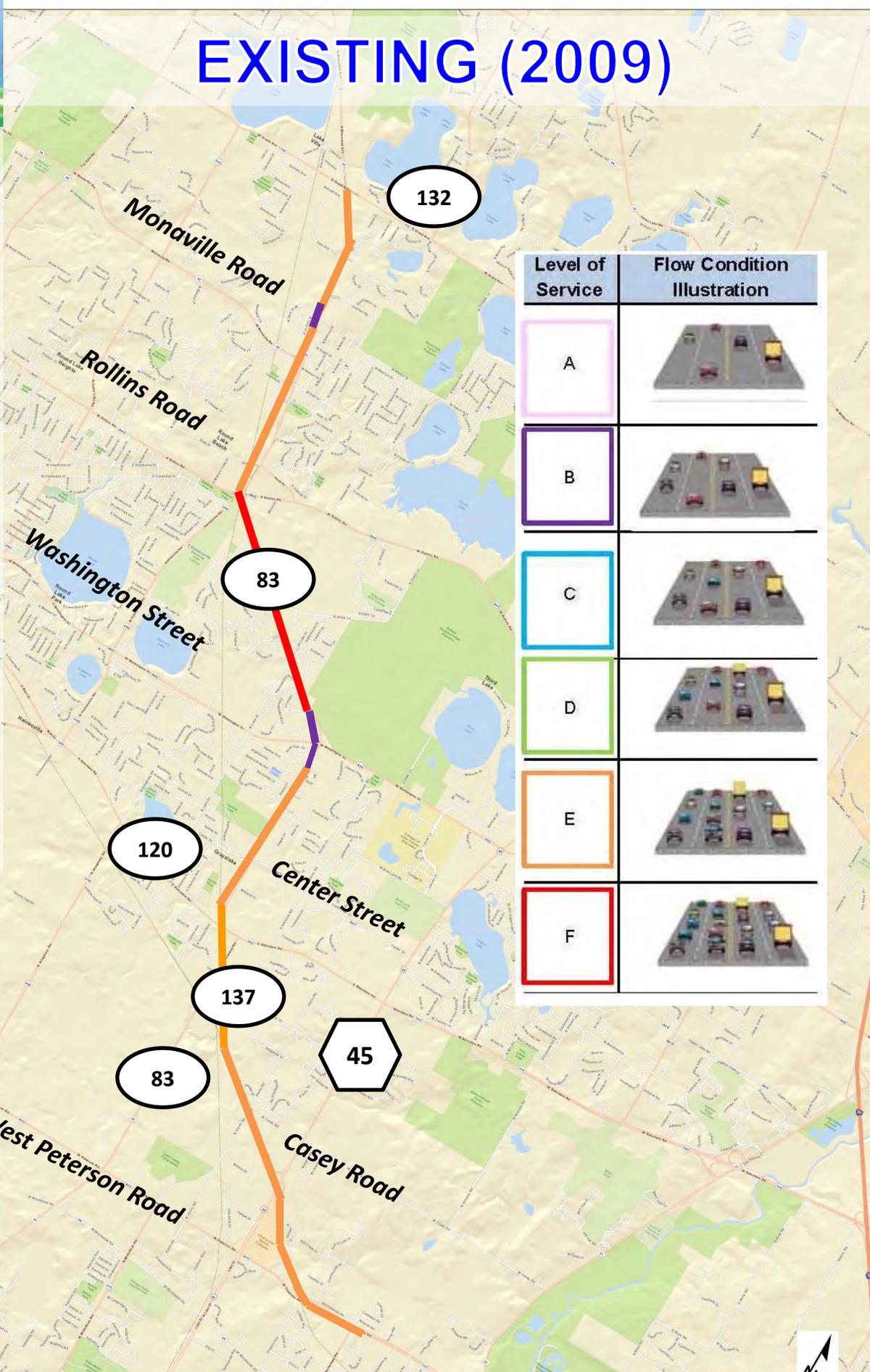
1 inch = 208 feet





EXISTING (2009)

Level of Service



Level of Service	Flow Condition Illustration
A	
B	
C	
D	
E	
F	

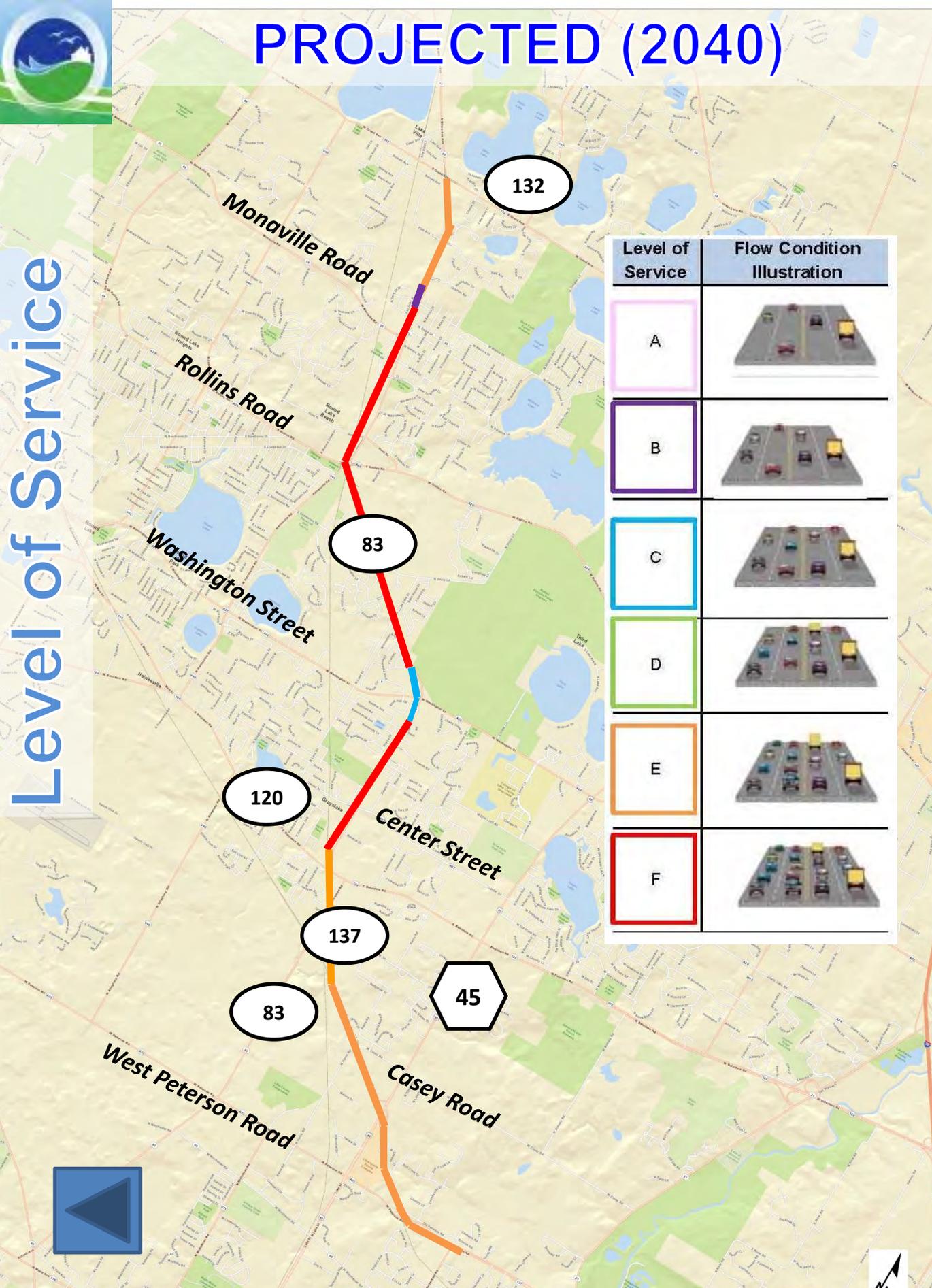
1 inch = 1,200 feet





PROJECTED (2040)

Level of Service



Level of Service	Flow Condition Illustration
A	
B	
C	
D	
E	
F	



Existing Conditions

Multimodal



- ◆ Discontinuous bicycle paths and sidewalks along with pedestrian crossing accommodations at signalized intersections are sporadic.
- ◆ Connection of the roadway to pedestrian & bicycle paths, bus routes and Metra stations.



Project Goals

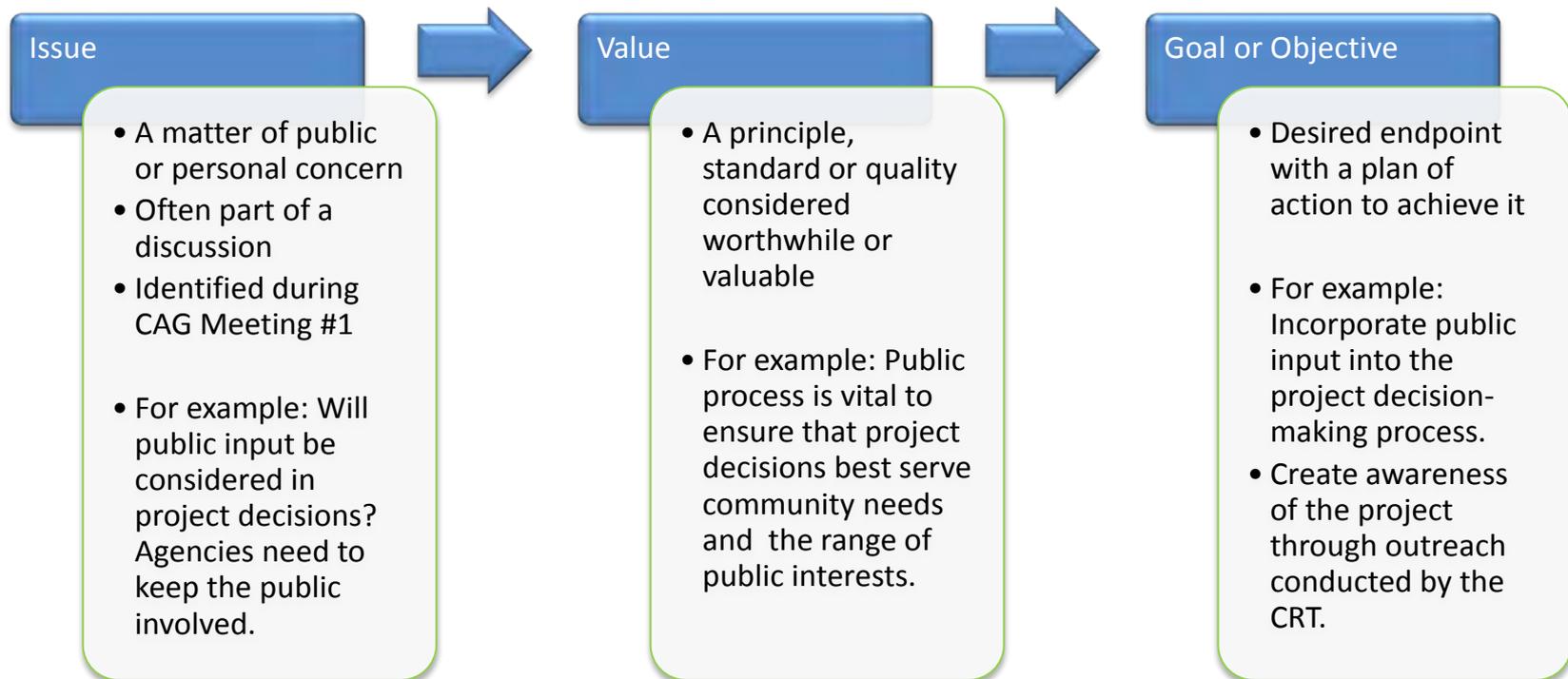


- ◆ Link to Problem Statement
- ◆ Addresses specific goals for:
 - Community
 - Economic
 - Environmental
- ◆ Problem statement and project goals create a framework and vision for desired project outcomes

Project Goals



Turning Issues Into Outcomes



Project Goals

Example Goals



- ◆ Create a safe environment for bicyclists and pedestrians.
- ◆ Provide safe access to property owners.
- ◆ Reduce the number of crashes along the corridor.
- ◆ Upgrade roadway to meet current design standards.
- ◆ Protect recreational opportunities and nature features.
- ◆ Promote greater community interactions/unity.
- ◆ Support current and future needs of businesses and enhance economic development goals.

Project Goals

Group Exercise



- ◆ Meet in small groups to discuss issues and develop goals
- ◆ Report out to large group
- ◆ Comments will be used to identify the overall goals of the IL 83/IL 137 study

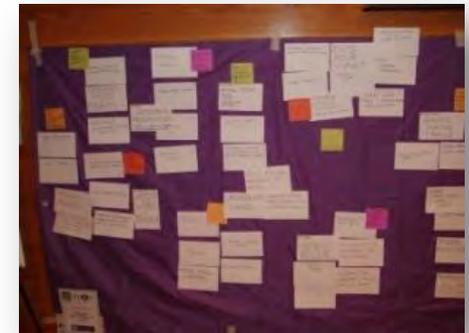


Project Goals

As a Small Group: 15 minutes



- ◆ Review issues developed at CAG #1
- ◆ Develop goals for the IL 83/IL 137 Study
- ◆ Record goals on index cards
- ◆ Select 3-5 goals that are most important
- ◆ Report out your group's findings
- ◆ Place the index cards on the purple sticky wall



Project Goals

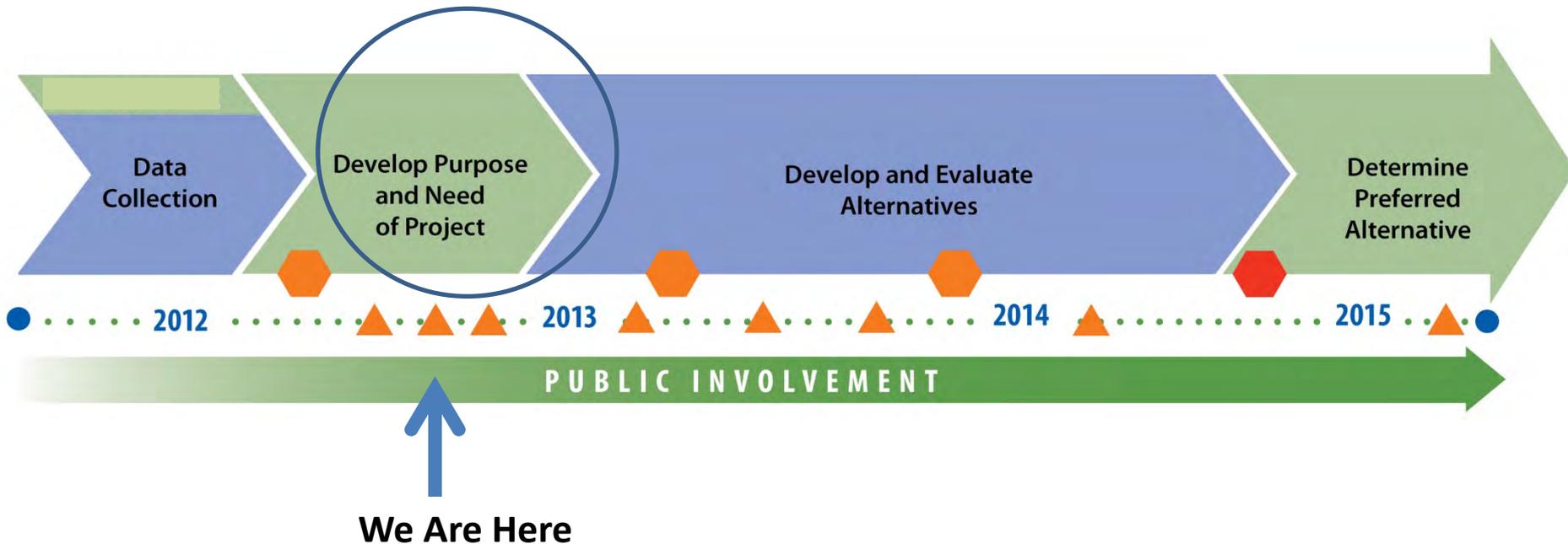
As a Large Group: 15 minutes



- ◆ Group the common issues
- ◆ Rank the common issues from most to least important
- ◆ Identify and discuss project goals



Study Schedule



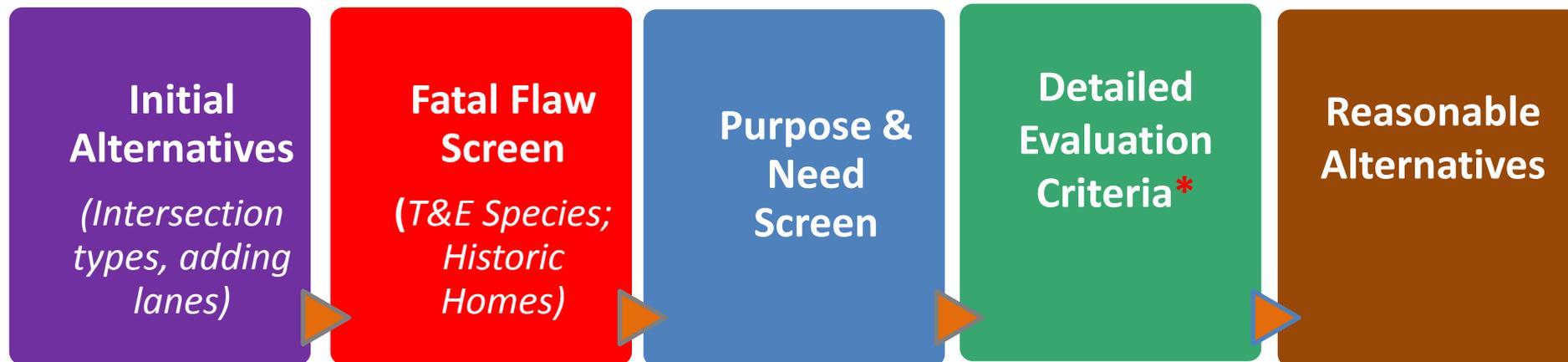
Next CAG Meeting



- ◆ November 7th; 9:00-11:00a.m. at Libertyville Village Hall
- ◆ Review of Purpose & Need Statement
- ◆ Development of Alternatives:
 - ◆ Stakeholder input
 - ◆ Purpose & Need
 - ◆ Existing & Projected Roadway Conditions
 - ◆ Analysis of design requirements and environmental constraints

Next CAG Meeting

Alternative Development Process



* Evaluation Criteria examples includes: land acquisition impacts, environmental impacts, cost, engineering factors.

Thank You!



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www.IL83andIL137.org

