



Illinois Department of Transportation

Community Advisory Group (CAG)

Meeting #3

November 3, 2011

McHenry County College
Shah Center



ILLINOIS

31



Illinois Route 31

ROUTE 176 TO ROUTE 120

www.ILRoute31.com

McHenry County

Introductions

- Illinois Department of Transportation
- STV Incorporated & Sub-Consultants
- Christopher B. Burke Engineering, Ltd.
- Community Advisory Group Members
 - » Please refer to list provided in Binder.
 - » Introduce yourself and state the community in which you live and/or which group and/or government agency you represent.



Meeting Agenda Overview & Housekeeping Items

- Meeting Agenda Overview
 - » CAG Meeting #2 Overview
 - » Review of Project Problem Statement
 - » Review of Updated Project Purpose and Need
 - » Review Engineering Toolbox
 - » Workshop: Alternatives Workshop

- CAG Meeting #3 Housekeeping
 - » Meeting Duration
 - » CAG Folder Handouts



Summary of CAG Meeting #2

- Reviewed Project Problem Statement
- Presented Project Purpose and Need
- Discussed Design Constraints
- Introduced Engineer's Toolbox
- Workshop: Identify Project Constraints
 - » Environmental, Cultural and Social Resources
 - » Please refer to the CAG Meeting #2 Summary documents in your binder



Review of Project Needs

Project Problem Statement

“The transportation problems along Illinois Route 31, from Illinois Route 176 to Illinois Route 120, to be solved by this project are: congestion (existing and future), safety for multi-modal users, accessibility for all users, and existing design deficiencies; in addition, minimize overall environmental impacts (e.g. storm water runoff and water quality).”



Review Project Purpose

■ Project Purpose

“The purpose of the proposed action is to address transportation safety, capacity, multi-modal transportation needs, and geometric deficiencies along Illinois Route 31 from the intersection of Illinois Route 176 to the intersection of Illinois Route 120, in eastern McHenry County.”



Review Identified Needs

- Needs Statement
 - Improve Roadway Safety
 - Expand Roadway Capacity and Address Traffic Issues
 - Correct Existing Roadway Design Deficiencies
 - Improve opportunities for multimodal connectivity



Review Alternatives Development

- Alternatives development combines:
 - » Stakeholder input to date
 - » Project Purpose and Need
 - » Project elements
 - » Analysis of existing conditions
 - » Technical analysis of design requirements and constraints



Environmental, Social, and Cultural Resources

- Wetlands
- Floodplains
- Threatened and Endangered Species
- Parks / Recreation Areas
- Agricultural Land
- Ground Water
- Special Waste
- Air Quality
- Traffic Noise
- Multi-use trails
- Trees and Vegetation
- Surface Water Resources
- Historical and Archeological Properties



Engineering Toolbox

- A collection of design “tools” to improve safety and mobility along the highway system.
- Pedestrian Safety Improvement Tools
 - » Sidewalks / Bike / Multi-use Paths
 - » Crosswalks / Crosswalk Signals
- Roadway Safety Improvement Tools
 - » Raised Medians
 - » Left Turn Lanes
 - » Access Management
 - » Improved Sight Distance
 - » Geometric Realignment
 - » Traffic Signal Installation / Modernization
 - » Roadway Lighting



Engineering Toolbox

- Capacity Improvement Tools
 - » Add Lanes
 - » Add Turn Lanes at Intersections
 - » Modify Turn Lane Storage Lengths and Tapers



Review of Previous Studies

■ IL Route 31 - Previous Study

- » IL Route 176 to Bull Valley Road/Charles Miller Road
- » Preferred Alternative Developed

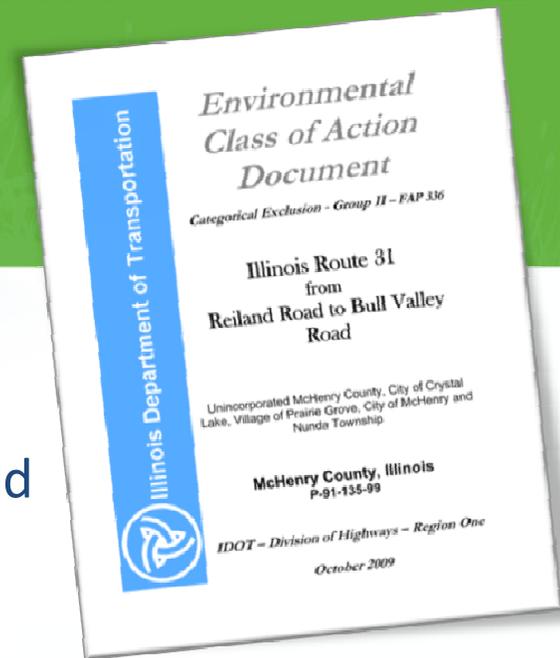
- 4-lane cross section with 30' raised median (SRA Standard)

- » IL 176, Half Mile Trail and Bull Valley Intersection Design Studies

- Intersections require dual left turn lanes to accommodate 2030 traffic

■ Considerations Moving Forward

- » Review recommended alternate from previous study
- » Regional Context of Project - SRA Route Designation

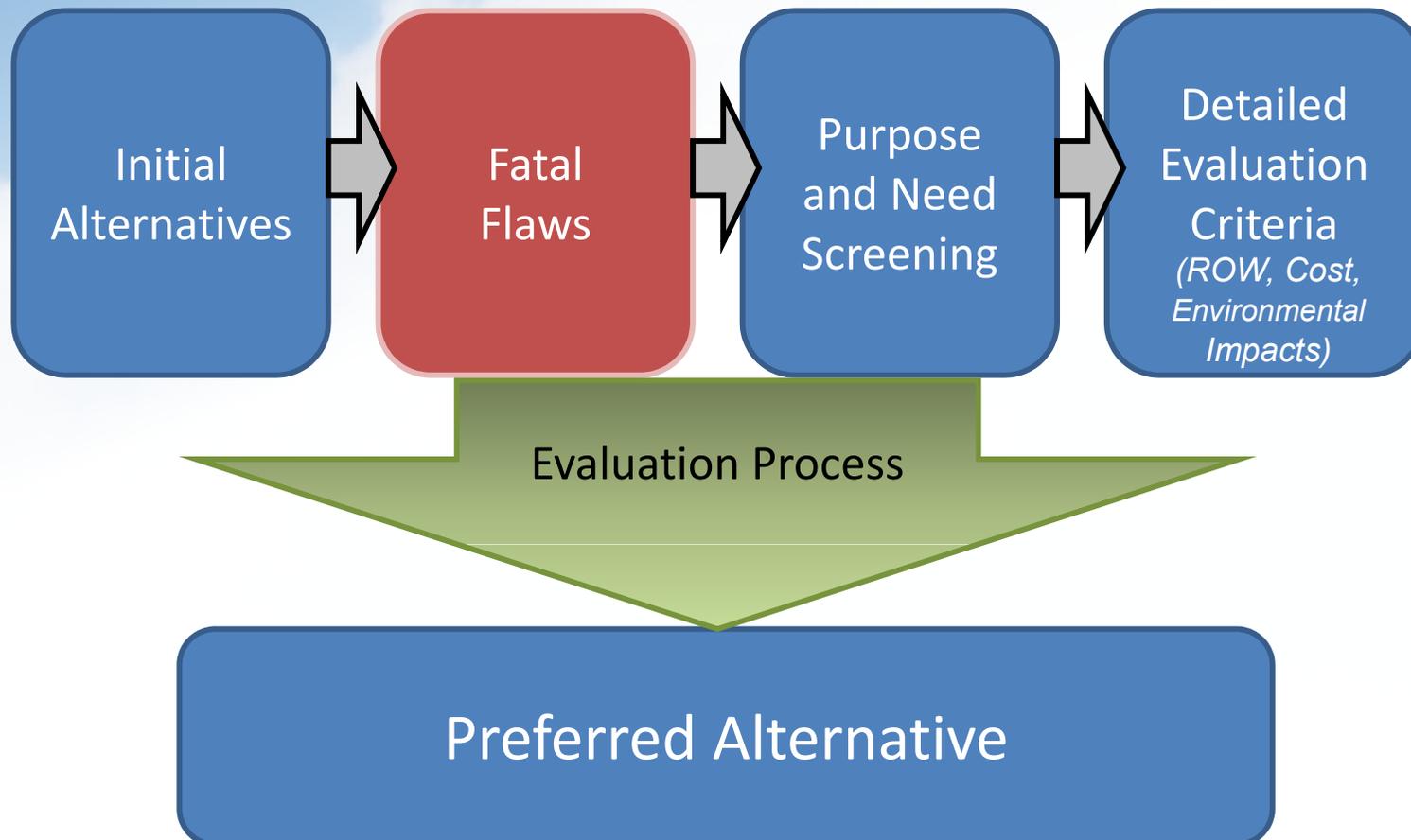


Workshop: Alternatives Development

- What will be accomplished during this workshop?
 - » Develop proposed roadway design alternatives that will be considered for further evaluation and refinement.
 - » Alternatives can include both on-alignment and off-alignment options
- Group Exercise
 - » Develop alternatives to be considered (60 minutes)
 - » Report back to large group by approximately 2:30 p.m.



Alternates Development Evaluation Process



Evaluation Criteria

- **Meets Identified Needs**
 - » Safety, Traffic and Capacity, Accessibility / Pedestrian & Bicyclist Accommodations, Corrects Existing Design Deficiencies
- **Environmental, Social, and Cultural Impacts**
 - » Drainage, Wetlands, Parks, Historic Buildings, Etc.
- **Property Impacts / Right-of-way**
 - » Residential, Commercial, Land Use Plans
- **Construction Costs**
 - » Construction, Maintenance



Next Steps and Future Meetings

■ Next Steps

- » Ongoing Engineering Project Development activities:
 - » Traffic Analysis / Projections
 - » Crash Analysis
 - » Environmental Surveys
- » Development of complete Project Purpose and Need document per NEPA requirements

■ Future Meetings

- » CAG Meeting #4: Mid-January 2012
- » Public Meeting #2: Early February 2012
 - Present and obtain input on Purpose and Need and initial range of alternatives



Thank You!

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