

Corridor Advisory Group and Task Force Meeting #19

September 24, 2014



AGENDA

- 9:00 ■ CAG #18 Recap
- 9:10 ■ Round 3 Evaluation - *Continued*
- 9:15 ■ Environmental Impact Statement Overview
- 9:30 ■ Existing Drainage Review
- 9:55 ■ Next Steps

CORRIDOR ADVISORY GROUP AND TASK FORCE MEETING #18 RECAP



Round 3 Evaluations to date:

- ✓ Arterial Traffic
- ✓ Travel Times
- ✓ Safety
- ✓ Transit Ridership
- ✓ Construction Costs
- ✓ Geometry and Operations

Round 3 includes:

- ✓ Engineering/Design
- ✓ Environmental Studies
- ✓ Stakeholder Outreach
- ✓ Aesthetics

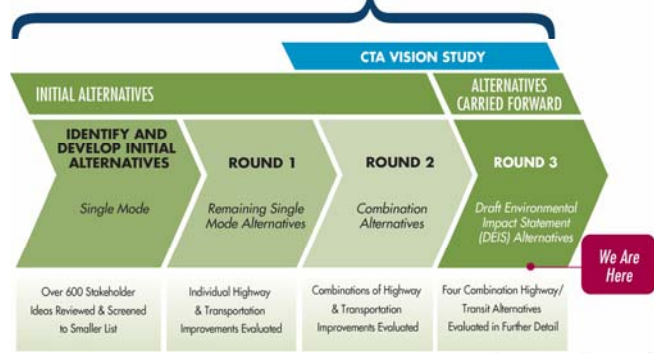
- Noise Analysis Overview
- Aesthetics Materials
- Ramp Geometrics
- CTA Vision Study Update



SCHEDULE



We Are Here



We Are Here



ROUND 3 EVALUATION: PERSON THROUGHPUT

Illinois Department of Transportation

**2040 Daily Person East-West Throughput:
I-290, Arterials, Transit**

GP Lane	HOV 2+	HOT 3+	HOT 3+ & TOLL
+25,200	+31,900	+34,800	+29,500

HOT 3+ provides the greatest person throughput improvement, followed by HOV2+

- HOT 3+ best “manages” added capacity by encouraging HOV3+ vehicles and allowing SOVs who pay tolls when capacity is available
- HOV 2+ encourages carpools, but does not allow SOVs, which may result in underutilization of added capacity
- HOT 3+ & TOLL encourages HOV 3+, but results in diversions for those not wanting to pay tolls

ROUND 3 EVALUATION: ACCESSIBILITY



2040 # of additional Jobs Accessible within 60 minutes from Study Area (compared to 2040 No Build)

Additional # of Jobs Accessible	GP Lane	HOV 2+	HOT 3+	HOT 3+ & TOLL
Auto	+82,000	+341,000	+373,000	+310,000
Transit	+24,000	+24,000	+24,000	+24,000

HOT 3+ provides the greatest accessibility improvement, followed by HOV 2+

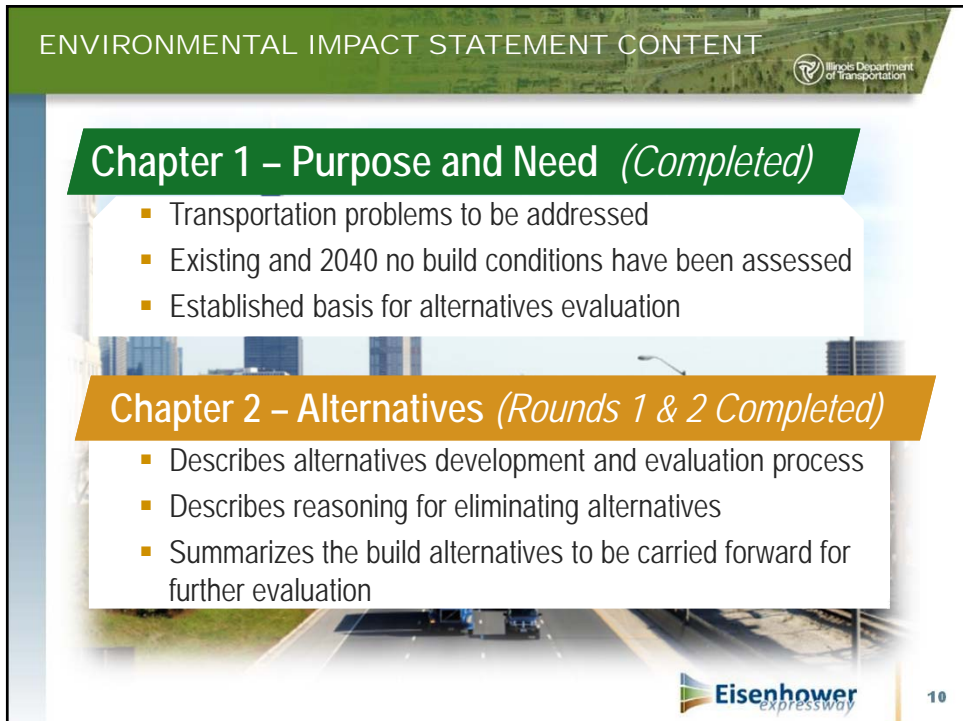
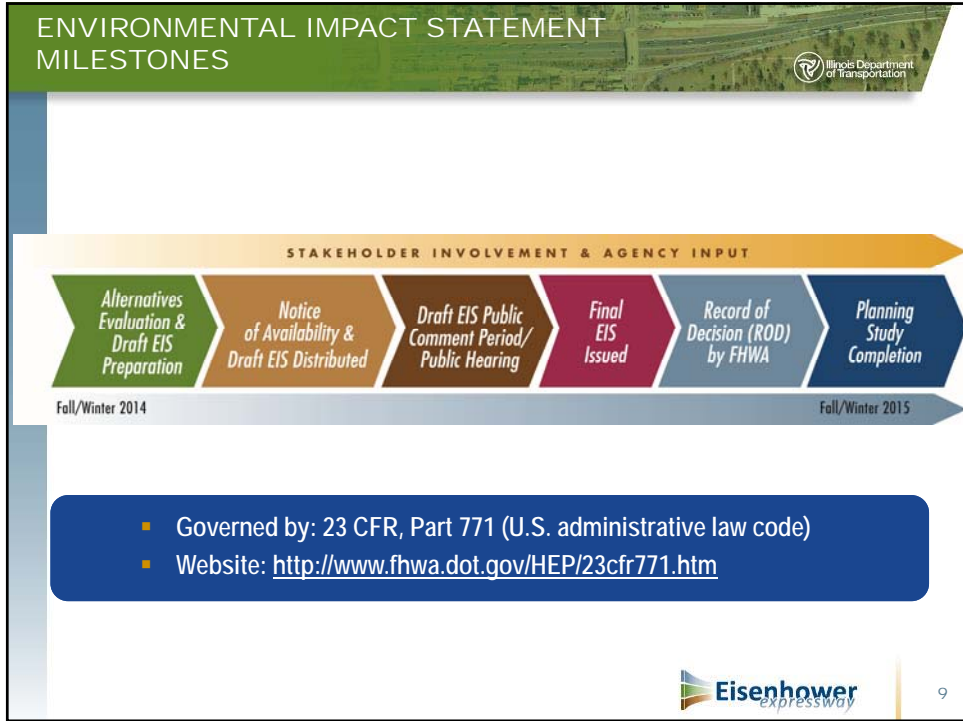
- Improvement related to overall travel time improvements on I-290 and arterials
- HOT 3+ provides best balance of I-290 and arterial travel time improvements.

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Environmental Impact Statement (EIS) Overview





Chapter 3 – Environmental Resources, Impacts, and Mitigation *(Round 3 – in progress)*

- Collected inventory of existing environmental conditions
- Documented existing environmental conditions and constraints
- Will evaluate Build Alternatives and the No-Build Alternative
- Describes impacts associated with the alternatives
- Describes mitigation commitments

Chapter 3 – Areas of study include:

- Socioeconomic
- Environmental Justice
- Air Quality
- Noise
- Cultural Resources
- Special Lands
- Indirect and Cumulative Effects
- Visual Resources
- Floodplains
- Energy
- Water Resources
- Special Waste
- Natural Resources
- Groundwater
- Wetlands

Primary I-290 Environmental Study Areas

- *Urban/built corridor*
- *Limited or no existing natural resources*

Chapter 4 – Agency Coordination and Public Involvement *(ongoing)*

- Describes stakeholder involvement, results of stakeholder involvement

Chapters 5 & 6

- Provides lists of references, EIS preparers, and EIS distribution list

Section 4(f)/6(f) technical report (if applicable)

- Provides analysis of impacts to public lands or Section 106 resources



Drainage Overview

DRAINAGE STUDY PROCESS



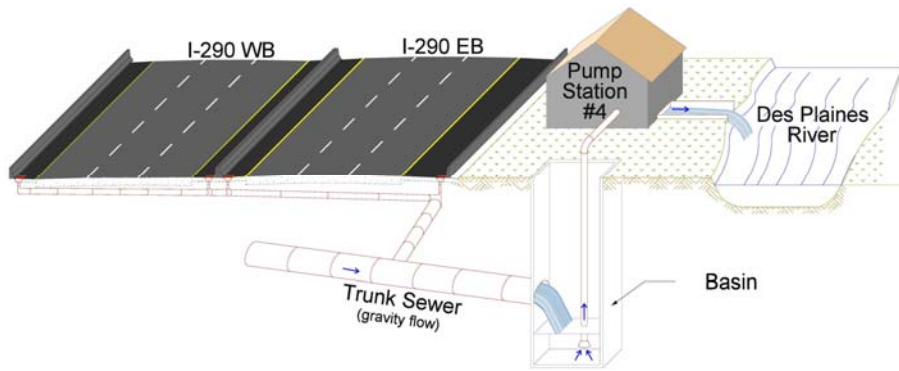
- Gather Existing Conditions
- Local Agency Data Requests
- Identify Tributary Areas and Outlets
- Understand How Existing System Performs
- Prepare Existing Drainage Plan
- Local Agency and Public Involvement
- Present Drainage Alternatives
- Develop Proposed Drainage Plan
- Local Agency and Public Involvement



HOW I-290 DRAINS



HOW I-290 DRAINS



WHY I-290 FLOODS

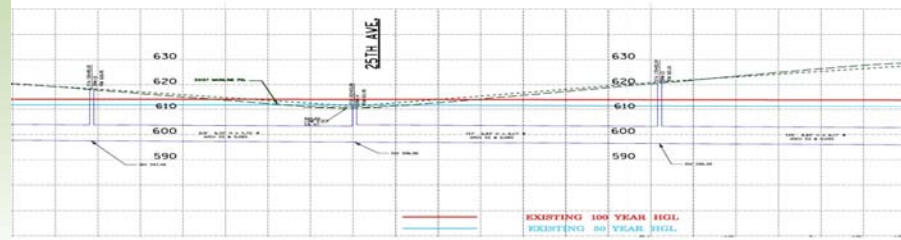
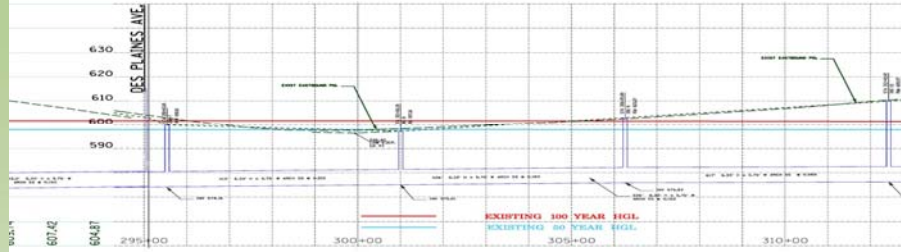


Aging Infrastructure

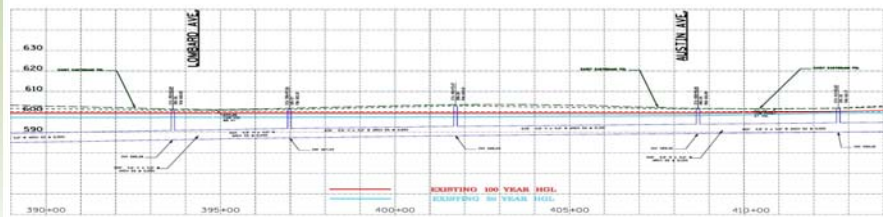
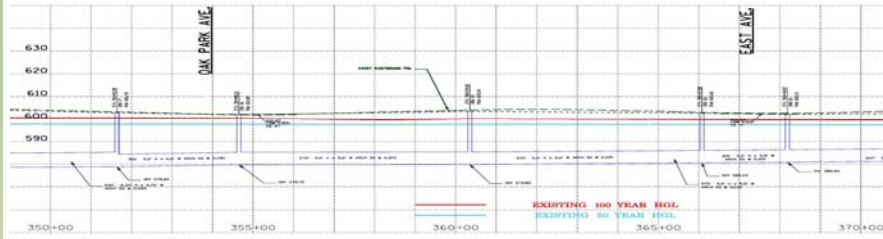
Drainage Design Criteria based on 1950's when I-290 was constructed

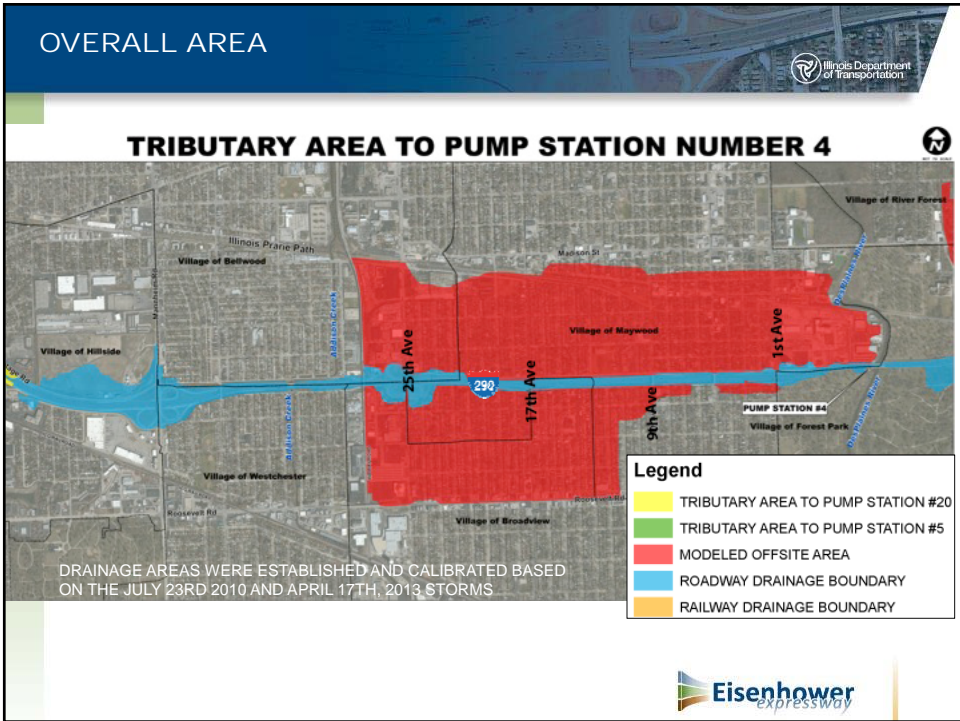
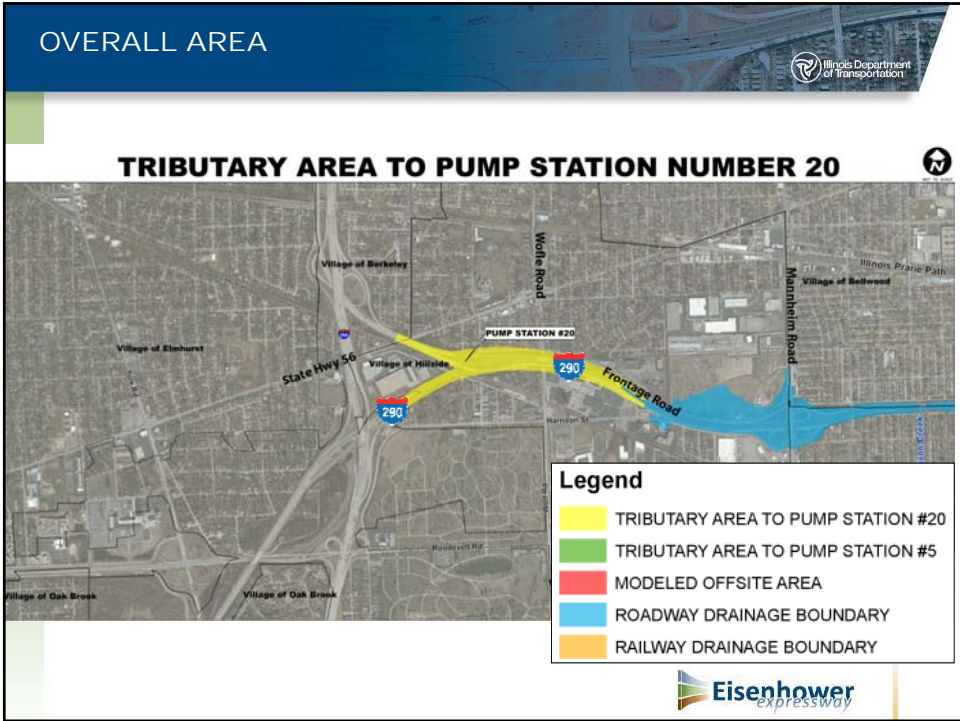


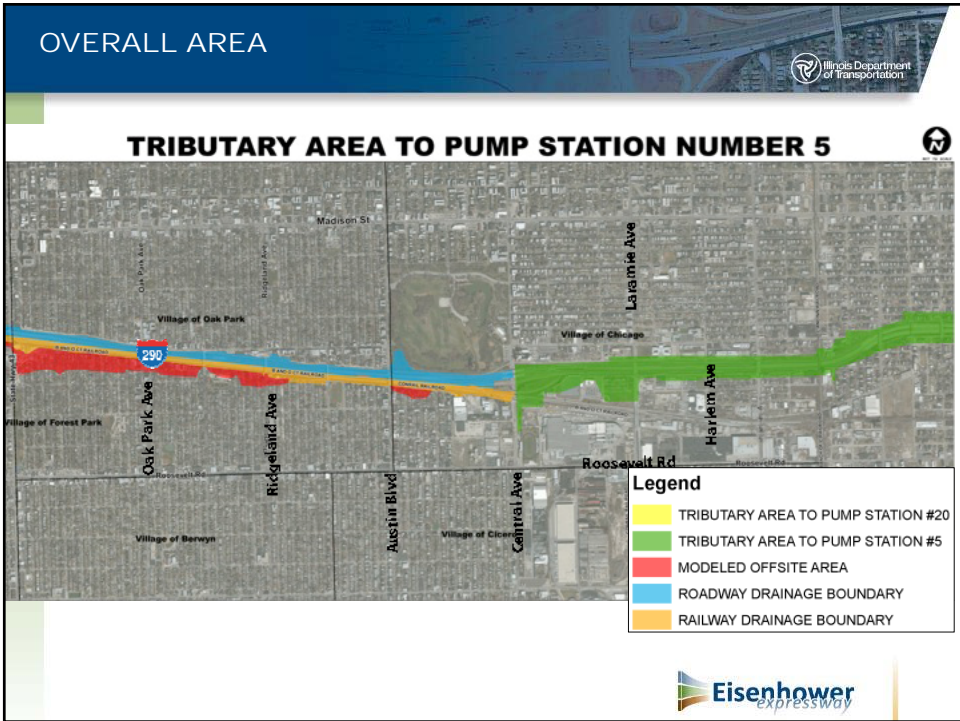
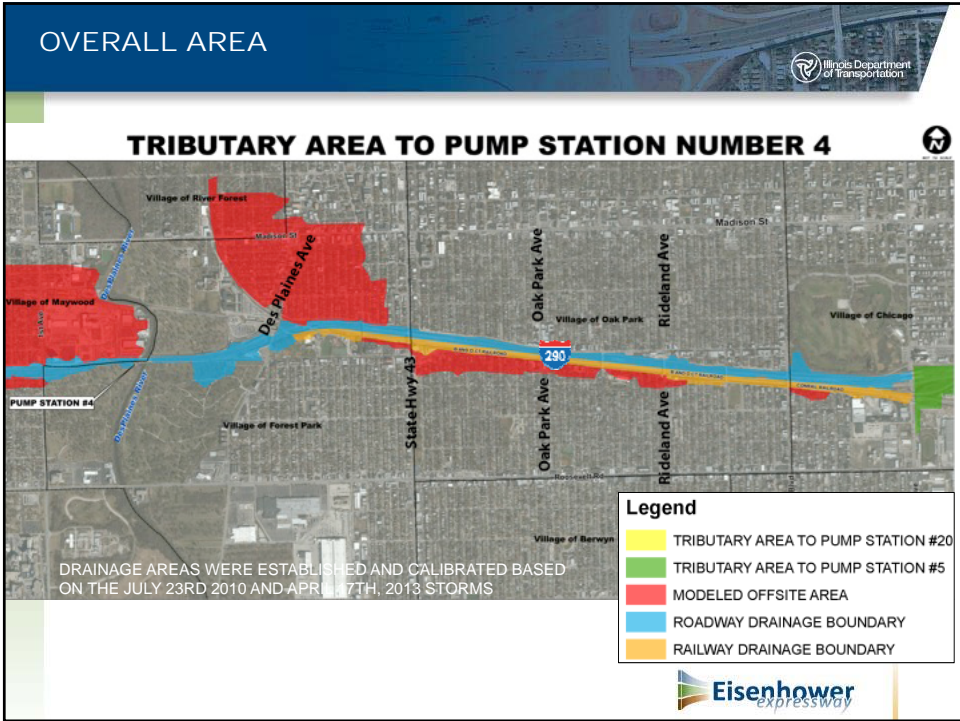
TRUNK SEWER HYDRAULIC GRADE LINE



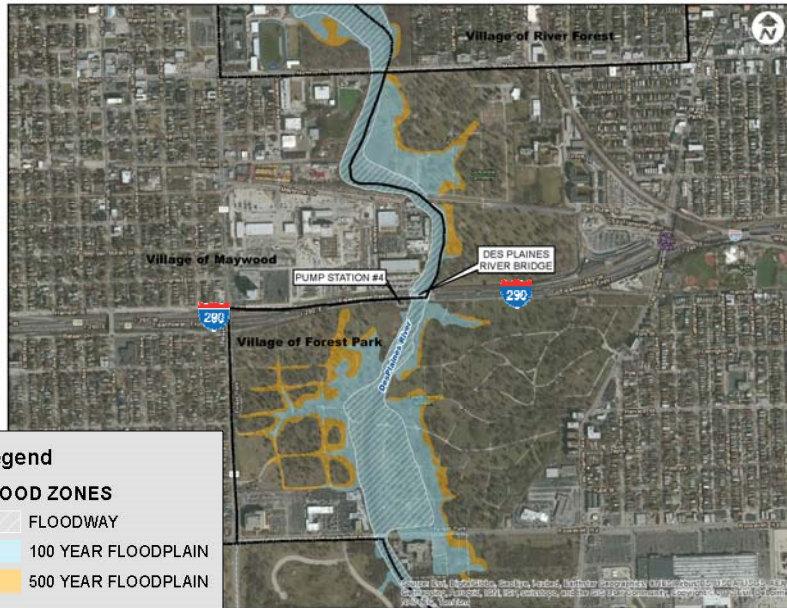
TRUNK SEWER HYDRAULIC GRADE LINE cont.



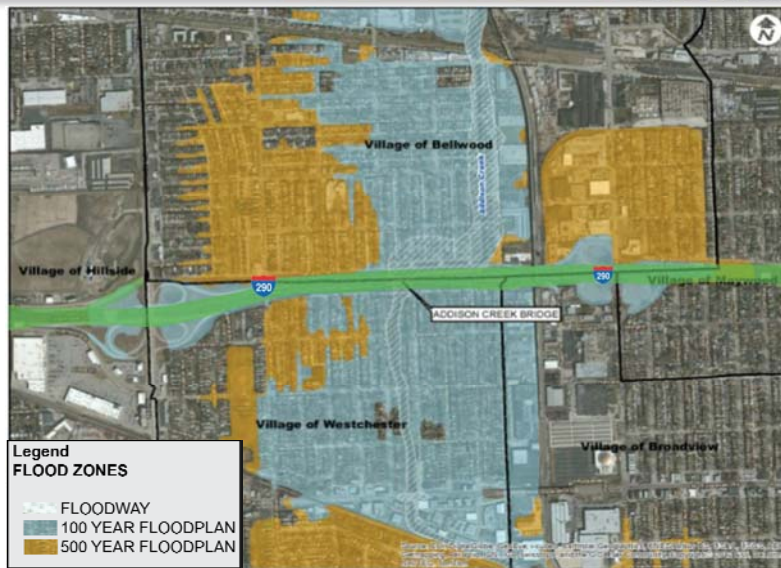




DES PLAINES RIVER



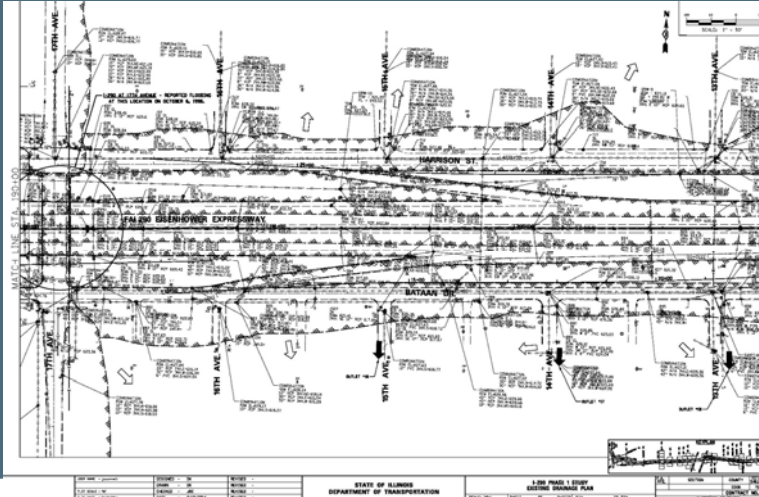
ADDISON CREEK



EXISTING DRAINAGE PLAN (EDP)



- Distributing the Existing Drainage Plans Today



EXISTING DRAINAGE PLANS: NEXT STEPS



- Verify Existing Drainage and Utilities Conditions
- One-on-One Meetings to be Scheduled with Each Village/City Engineer- Late October



NEXT STEPS



- One-on-One meetings
- CAG Meetings: Winter - Spring
 - Round 3 alternatives performance evaluation completion
 - Blue Line Vision Study results
 - Geometry and drainage
 - Sustainability
 - Environmental effects
 - Travel performance
 - Intelligent Transportation System
 - Cost
 - Aesthetics
 - Funding/financing
 - Construction staging scenarios

The slide features a background image of a multi-lane highway with traffic. A white diagonal banner on the left contains the "Eisenhower expressway" logo. The text "Thank You" is centered in a white, italicized font. A horizontal row of colorful icons representing various transportation modes (car, bus, train, bicycle, etc.) is positioned in the upper right. The Illinois Department of Transportation logo is in the bottom right corner.

Eisenhower
expressway

Thank You