I-90 Jane Addams Memorial Tollway
Rebuilding and Widening Project
Fox River Bridge

April 24, 2014
Bridge Overview

- Originally opened in 1958
- *Move Illinois* = complete rebuilding and widening
- Construction scheduled to begin in mid-summer and be complete by end of 2016
Bridge Reconstruction Highlights

- Bridge removal and reconstruction
  - Widening bridge from six to eight lanes plus full shoulders
- Removal and replacement of pedestrian bridge
  - In cooperation with Forest Preserve District of Kane County
- Stormwater management improvements will protect Fox River and forested fen
  - In cooperation with the Illinois Nature Preserve Commission
- Comply with IDNR April 1 – June 15 water restrictions

<table>
<thead>
<tr>
<th></th>
<th>Existing Structure</th>
<th>Future Structure</th>
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</thead>
<tbody>
<tr>
<td>Span</td>
<td>6 lanes</td>
<td>8 lanes</td>
</tr>
<tr>
<td>Length</td>
<td>1,383 feet</td>
<td>1,315 feet</td>
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<tr>
<td>Width</td>
<td>115 feet</td>
<td>162 feet</td>
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Benefits of Larger Contracts for Complex Construction Sites

- Reduces impact to the customer
  - Ability to better coordinate maintenance of traffic
  - Shorter construction duration affecting mainline traffic
- Improves efficiency
  - Improved accountability, coordination and response
  - Less mobilization and demobilization
  - More schedule flexibility within the contract
- Promotes contractor innovation
- Decreases costs
  - Reduced administration and overhead costs
  - Improved economies of scale
  - Improved schedule control
Construction Challenges

- Limited work space due to:
  - Fox River
  - Forested fen (east bank)
  - Com Ed lines (north side)

- Restricted access to water from April 1 – June 15
  - Annual water management period for fish spawning

- Complex maintenance of traffic

- Building new structure while maintaining existing bridge

- Multiple construction seasons
Innovative Construction Opportunity
Benefits of Overhead Gantry System

- Extends the life of bridge by reducing longitudinal joints
  - Reduction in maintenance costs (saving more than $2.2 million over 75 years)
  - Eliminates construction materials and stage changes (saving $3.6 million)

- Reduces impact to customers
  - Maintain same number of traffic lanes throughout construction
  - Simplify maintenance of traffic
Construction Benefits for the Environment

- Fewer piers in Fox River
  - Reduced from six to three
  - Longer spans through use of 90” beams
Construction Benefits for the Environment

- Improved stormwater treatment
  - Eliminates direct stormwater discharge into river
  - Stormwater will be captured and filtered
  - Prevents cross-contamination of stormwater with forested fen groundwater

“There is no place like it in the whole state.”
Dr. Henry Cowles (1923)
Construction Benefits for the Environment

- Replacing pedestrian bridge
  - Pedestrian bridge spans Fox River and is part of the Forest Preserve District of Kane County bike path system
  - New pedestrian bridge will accommodate lift trucks to conduct bridge inspections
  - Bridge will be reopened for public use after construction
THANK YOU