

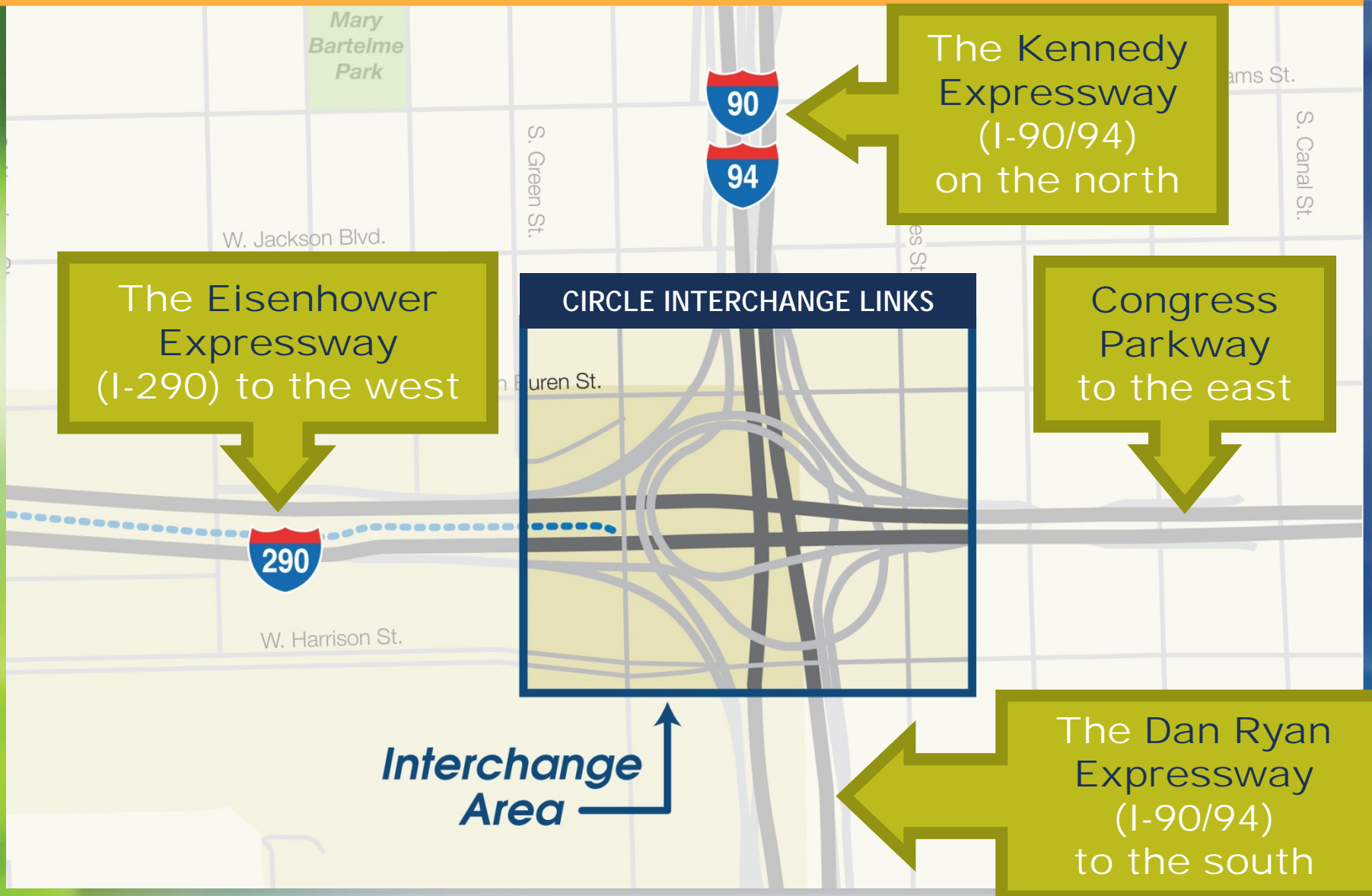


www.circleinterchange.org

February 2015

Jane Byrne Circle Interchange Project Overview

Project Location

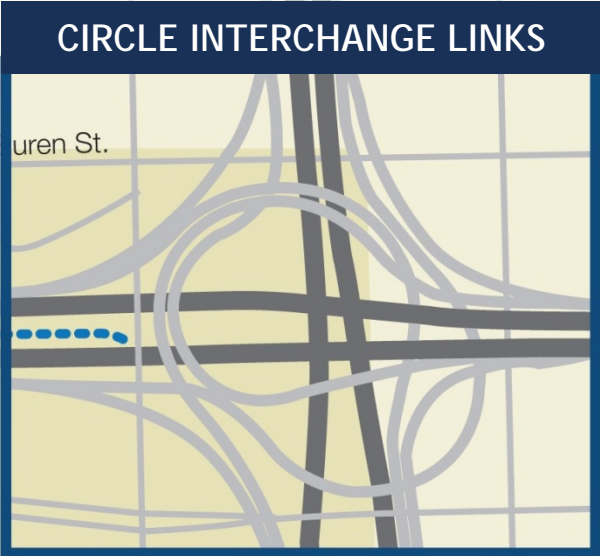


The Eisenhower Expressway (I-290) to the west

The Kennedy Expressway (I-90/94) on the north

Congress Parkway to the east

The Dan Ryan Expressway (I-90/94) to the south



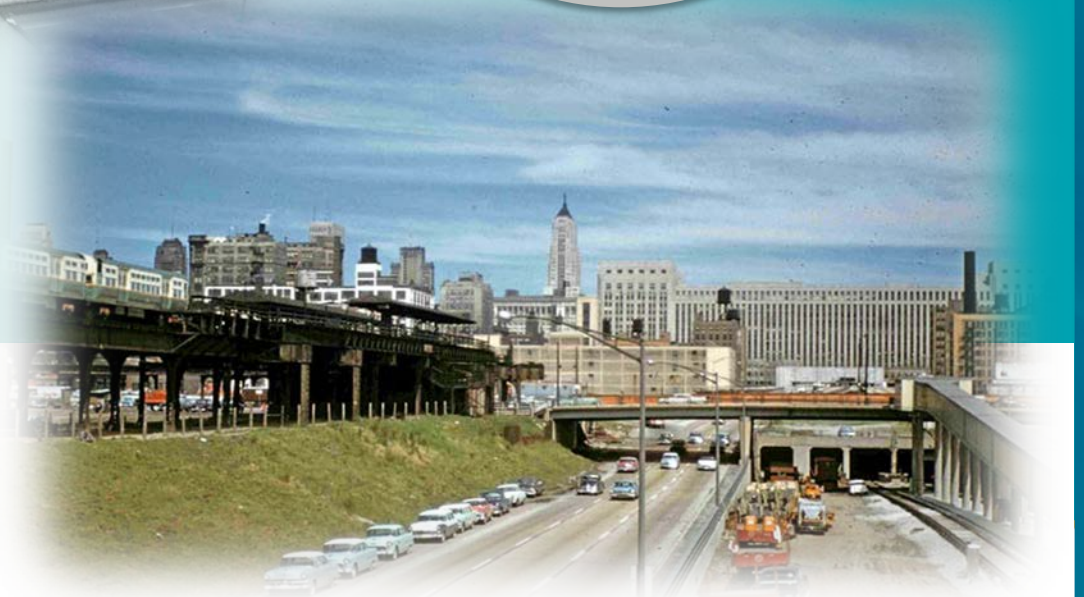
Interchange Area

Project Background



*Late 1950's
early
1960's*

*The facility is
in need of
major repair
and
reconstruction.*



Project Background *(continued)*

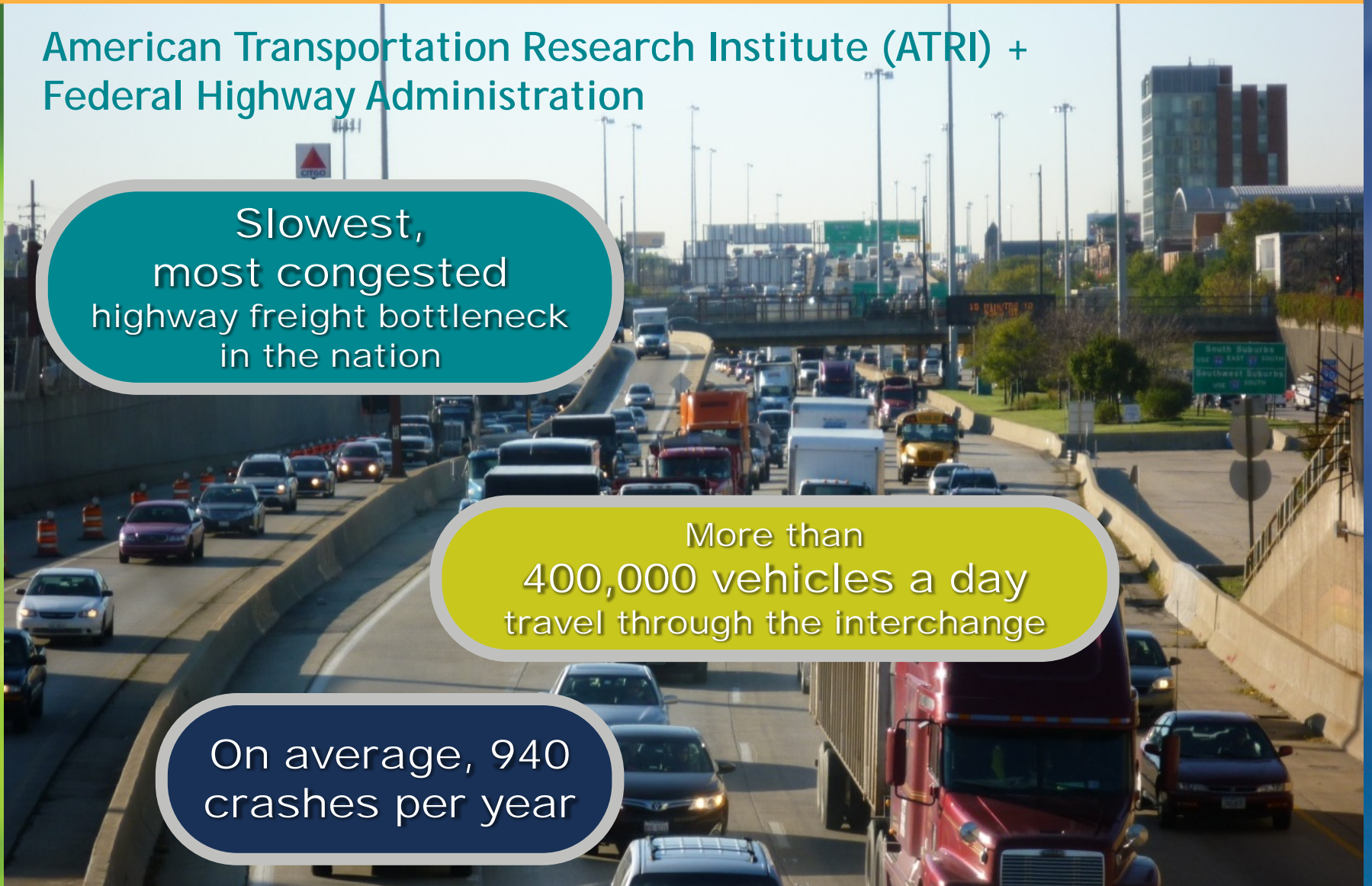


American Transportation Research Institute (ATRI) +
Federal Highway Administration

Slowest,
most congested
highway freight bottleneck
in the nation

More than
400,000 vehicles a day
travel through the interchange

On average, 940
crashes per year



Operational and Safety Deficiencies



Over Capacity:
Kennedy & Dan Ryan



Operational and Safety Deficiencies



Over Capacity:
Ramp NW

Operational and Safety Deficiencies



Over Capacity:
Ramp EN

Local Transportation



Pedestrians

Transit



Bicyclists

Purpose & Need



- To provide an improved transportation facility by addressing the existing & 2040 transportation needs.
 - Improving safety
 - Improving mobility
 - Improving the condition of the interchange

Stakeholder Involvement



3 Public Meetings/Hearings

8 Elected Officials Meetings



15 Agency Coordination Meetings

28 One-on-One Meetings

2 Workshops

1 Building Vibration Conference

4 Project Working Group Meetings

1 Design Charrette

• Stakeholder Involvement Continues



Surrounding Neighborhoods



- Connect Neighborhoods
- Bike/Pedestrian Accommodations
- Aesthetics
- Livability/Sustainability
- Air Quality & Noise
- Old Buildings

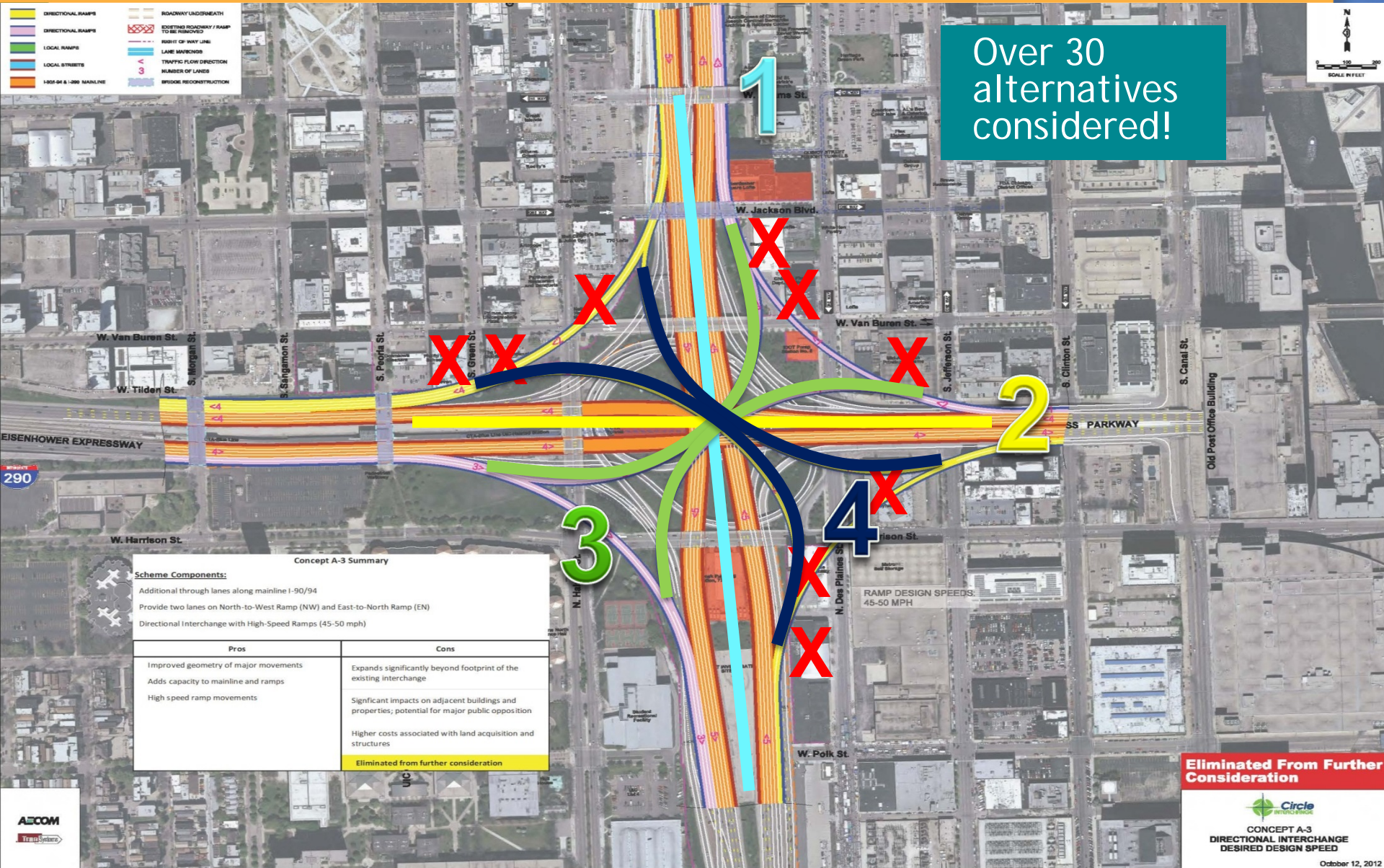


Traffic Needs: Alternative (A3)



Over 30 alternatives considered!

	DIRECTIONAL RAMPS		ROADWAY UNDERWEATH
	DIRECTIONAL RAMPS		EXISTING ROADWAY / RAMP TO BE REMOVED
	LOCAL RAMPS		RIGHT OF WAY LINE
	LOCAL STREETS		LANE MARKINGS
	I-90/94 & I-290 MAINLINE		TRAFFIC FLOW DIRECTION
			NUMBER OF LANES
			BRIDGE RECONSTRUCTION



Concept A-3 Summary

Scheme Components:

- Additional through lanes along mainline I-90/94
- Provide two lanes on North-to-West Ramp (NW) and East-to-North Ramp (EN)
- Directional Interchange with High-Speed Ramps (45-50 mph)

Pros	Cons
Improved geometry of major movements	Expands significantly beyond footprint of the existing interchange
Adds capacity to mainline and ramps	Significant impacts on adjacent buildings and properties; potential for major public opposition
High speed ramp movements	Higher costs associated with land acquisition and structures
	Eliminated from further consideration

RAMP DESIGN SPEEDS:
45-50 MPH

Eliminated From Further Consideration

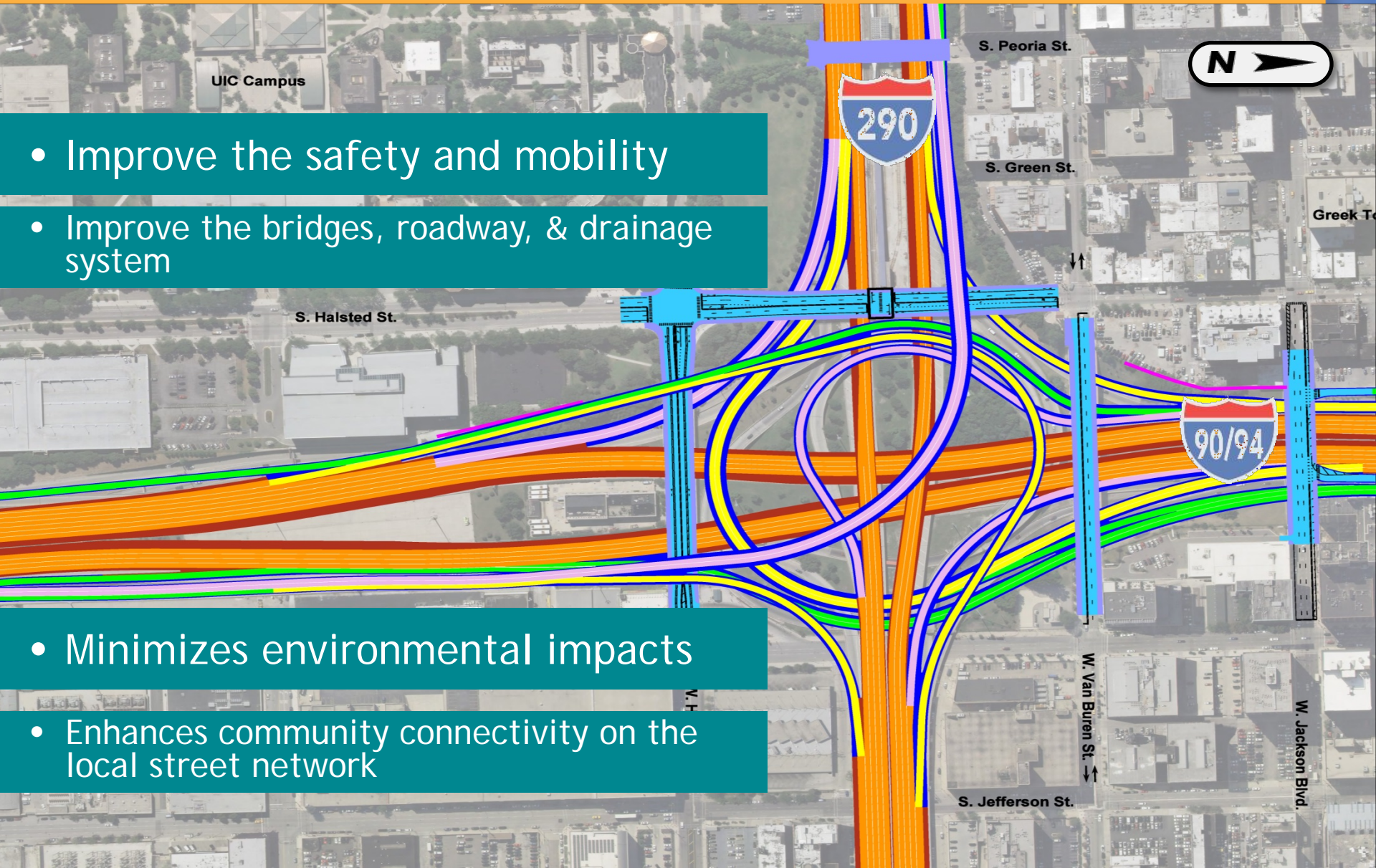


Preferred Alternative



- Improve the safety and mobility
- Improve the bridges, roadway, & drainage system

- Minimizes environmental impacts
- Enhances community connectivity on the local street network



Key Features of the Preferred Alternative



- Southbound C-D Lanes Providing Local Access
- Northbound C-D Lanes Providing Local Access

Key Features of the Preferred Alternative



New Bridges

- Cross Road Bridges
- Flyover Ramps
- Other Bridges



Morgan Street

Peoria Street

Halsted Street

Taylor Street

Harrison Street

Van Buren Street

Jackson Blvd.

Adams Street

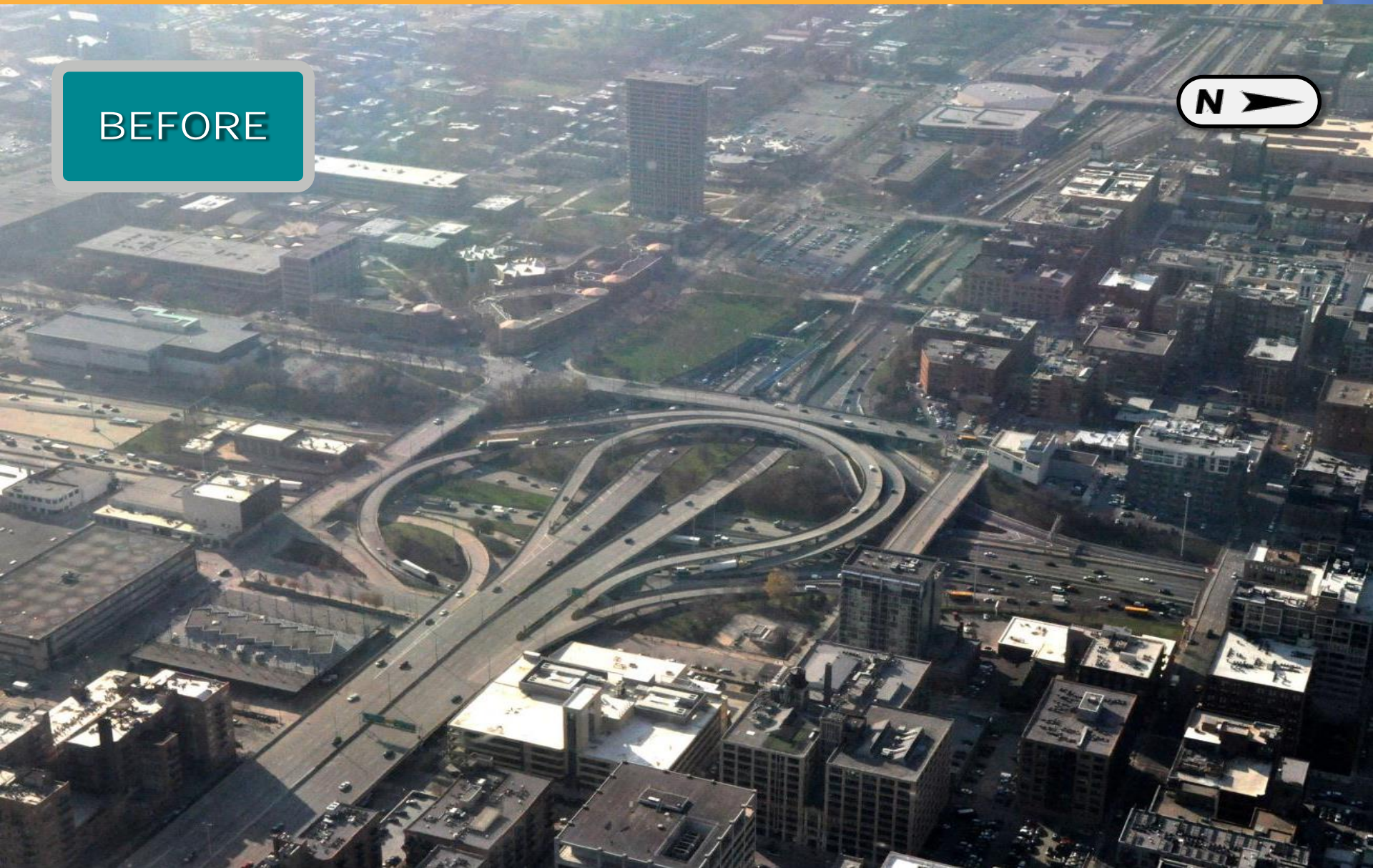
Monroe Street



Circle Interchange Before



BEFORE



Circle Interchange After



AFTER



Current Projects



<u>Contracts</u>	<u>Letting Date</u>	<u>Award Amounts</u>
• Morgan Street Bridge	8/3/2013	\$18,459,602.10
• Tunnel Bulkheading and Watermain	9/20/2013	\$4,983,836.25
• Watermain Procurement	9/20/2013	\$1,261,462.00
• West Halsted/Harrison Street Bridge (Over SB I-90/94)	11/8/2013	\$42,559,659.58
• Congress Street Surveillance	1/17/2014	\$706,137.35
• Landscaping - 1 of 4 Contracts	1/17/2014	\$221,009.00
• Peoria Street Bridge/CTA Station	2/28/2014	\$23,622,193.00
• East Harrison Street Bridge (Over NB I-90/94)	4/25/2014	\$9,185,000.00
• Northwest Flyover	7/11/2014	\$55,827,813.68
<u>Future Contracts</u>		
• Taylor Street	03CY15	Estimated Cost \$19,230,000.00
• West I-290 Auxiliary Lanes from Peoria Street to Morgan Street	03CY15	Estimated Cost \$15,065,000.00

www.circleinterchange.org



Morgan Street Bridge Reconstruction



Contract 60W25

- Letting: 8/3/2013
- Contractor: F.H. Paschen, S.N. Nielsen & Associates LLC
- Low bid: \$18,459,602.10
- DBE Percentage: 16%
- Award: 8/22/2013
- Execution: 8/29/2013
- Start date: 9/10/2013
- Completion date: 10/6/2014
- TPG Trainees: 1,500 hours
- HCCTP Trainees: 1,500 hours



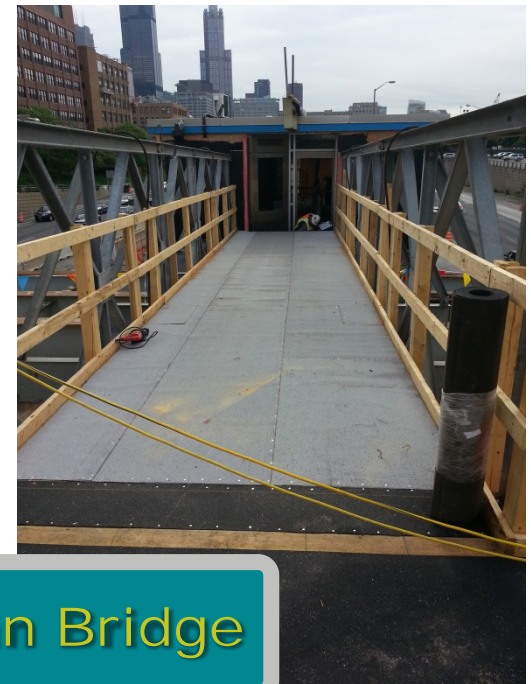
Currently this Contract
is 99.5% complete



Morgan Street Bridge Reconstruction



- Temporary Pedestrian Bridge
 - ComEd Required Building West Side of Bridge First
 - Desire to Open Station Entrance as Soon as Possible to Allow Peoria Entrance to Close



Temporary Pedestrian Bridge



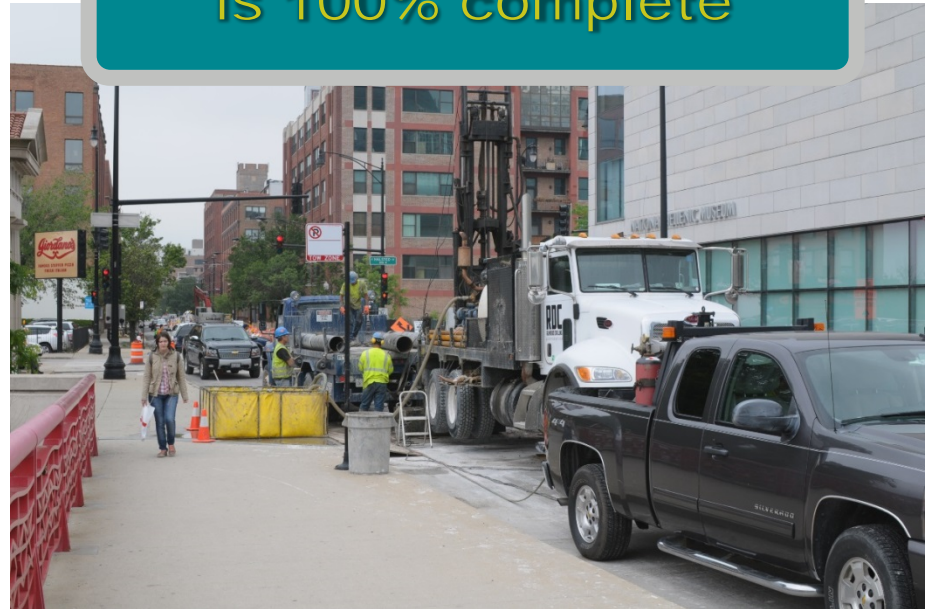
Water Supply Tunnel Bulkheading



Contract 60W36

- Letting: August 2, 2013
- Contractor: Kenny Construction Co.
- Low bid: \$4,983,836.65
- DBE Percentage: 5%
- Award: 9/10/2013
- Execution: 9/25/2013
- Start date: 10/1/2013
- Completion date: 7/6/2014
- HCCTP Trainees: 1,500 hours

Currently this contract is 100% complete



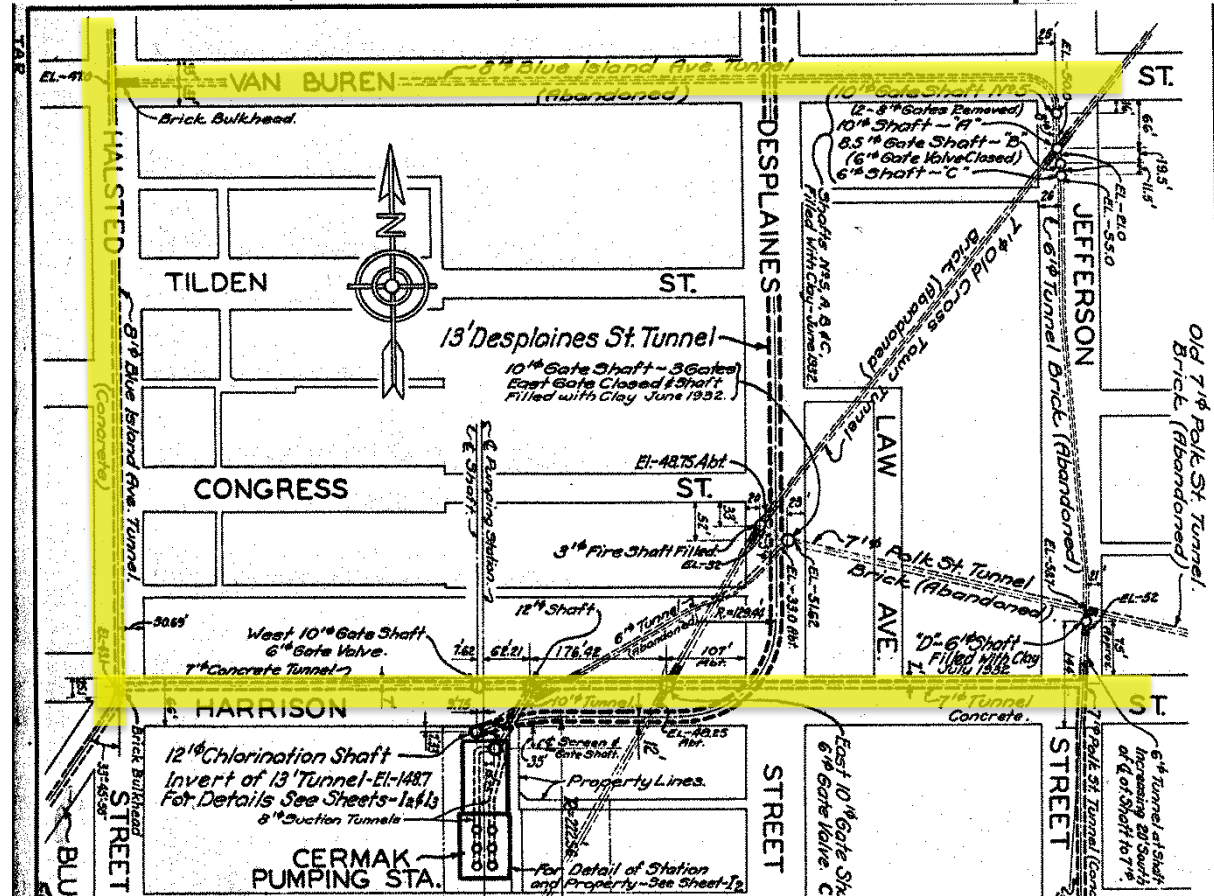
www.circleinterchange.org



Water Supply Tunnel Bulkheading



- Network of Abandoned (Shallow) and Active (Deep) Water Supply Tunnels
- Affect Layout of Proposed Bridge Foundations
- Required the Filling of the Tunnels Prior To Shaft Construction



www.circleinterchange.org



Halsted and West Harrison Street



Contract 60W26

- Letting: November 8, 2013
- Contractor: Walsh Construction
- Low bid: \$42,559,659.58
- DBE Percentage: 23%
- (Participation goal resulting in 10 DBE firms totaling \$9.8M.)
- Award: 12/10/2013
- Completion: Fall 2015
- TPG Trainees: 1,500 hours
- HCCTP Trainees: 1,500 hours



Currently this contract
is 42% complete



Halsted Street Bridge Reconstruction



- Challenges Dealing with Existing Infrastructure
 - City, ComEd and AT&T Existing Facilities Used Asbestos
 - More than Ten Foot Elevation Difference Between Roadway and CTA Blue Line Level

Asbestos Duct Removal
Per Env. Requirements



Temporary Earth Retention
Installed Next to Live Tracks

www.circleinterchange.org



Halsted Street Bridge Reconstruction

Existing View Looking South



www.circleinterchange.org



Halsted Street Bridge Reconstruction

Proposed View Looking South



www.circleinterchange.org



Halsted Street Bridge Reconstruction

Proposed View Looking North



Harrison Street Bridge Reconstruction



- Began Construction in March 2013
 - Same Contract as Halsted Street - Shared Halsted/Harrison Intersection
 - Harrison Street Fully Closed, Access to Cermak Pumping Station Provided from Other Bridge over I-90/94



Deck Removal



Beam Removal

www.circleinterchange.org



East Harrison Street



Contract 60W71

- Letting: April 25, 2014
- Contractor: Walsh Construction
- Low bid: \$9,185,000
- DBE Percentage: 20%
- Award: 6/3/2014
- Completion: Fall 2015
- TPG Trainees: 1,000 hours
- Trainees: 1,000 hours



Peoria Street Bridge Reconstruction



Contract 60W29

- Letting: February 28, 2014
- Contractor: Kiewit Infrastructure Co.
- Low bid: \$23,622,193
- DBE Percentage: 20%
- Award: 3/31/2014
- Completion: Spring 2015
- TPG Trainees: 2,500 hours
- HCCTP Trainees: 2,500 hours

Currently this contract
is 45% complete



www.circleinterchange.org



Peoria Street Bridge Reconstruction



- CTA Station Entrance Rehabilitation
 - Move Off the Bridge; Add Elevator

Station Entrance Demolition



www.circleinterchange.org



Peoria Street Bridge Reconstruction

Existing View Looking North



www.circleinterchange.org



Peoria Street Bridge Reconstruction

Proposed View Looking North



www.circleinterchange.org



Peoria Street Bridge Reconstruction

Existing View Looking South



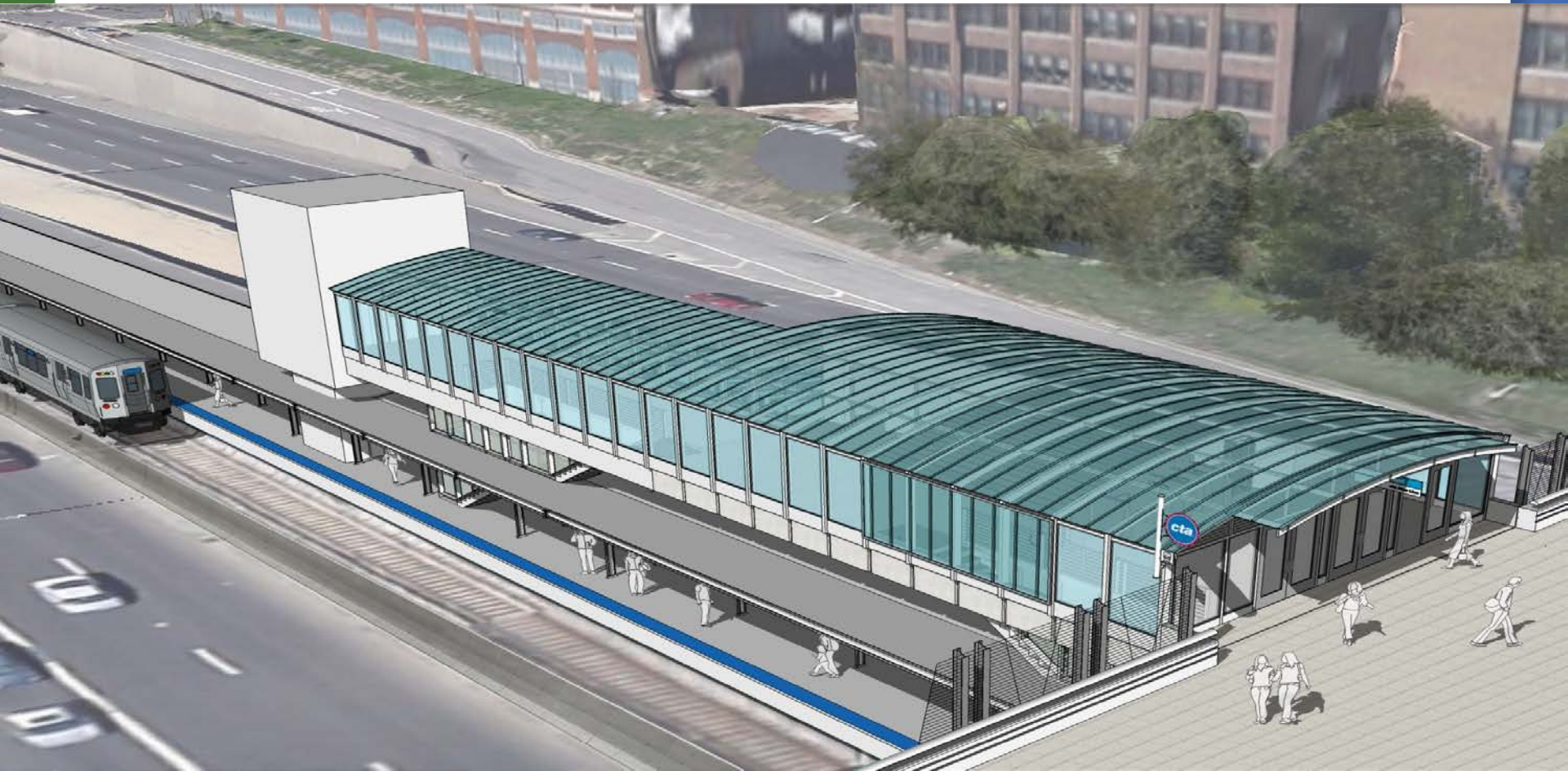
Peoria Street Bridge Reconstruction

Proposed View Looking South



Peoria Street Bridge Reconstruction

Proposed CTA Station Entrance



www.circleinterchange.org

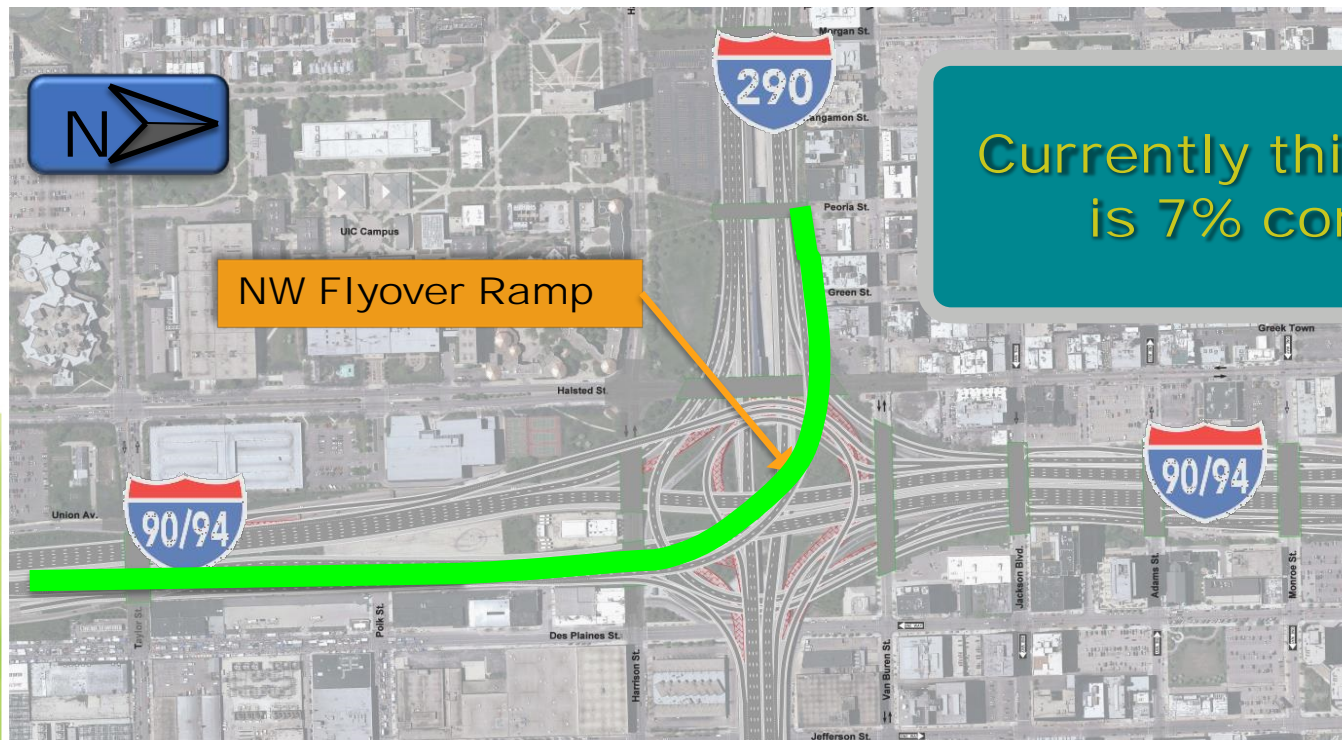


Northwest Flyover



Contract 60W28

- Letting: July 11, 2014 (Special Letting Date)
- Contractor: James McHugh Const. Co.
- Low bid: \$55,827,813.68
- DBE Percentage: 17%
- Award: 8/12/2014
- Completion: Fall 2016
- TPG Trainees: 2,000 hours



Currently this contract
is 7% complete



Northwest Flyover



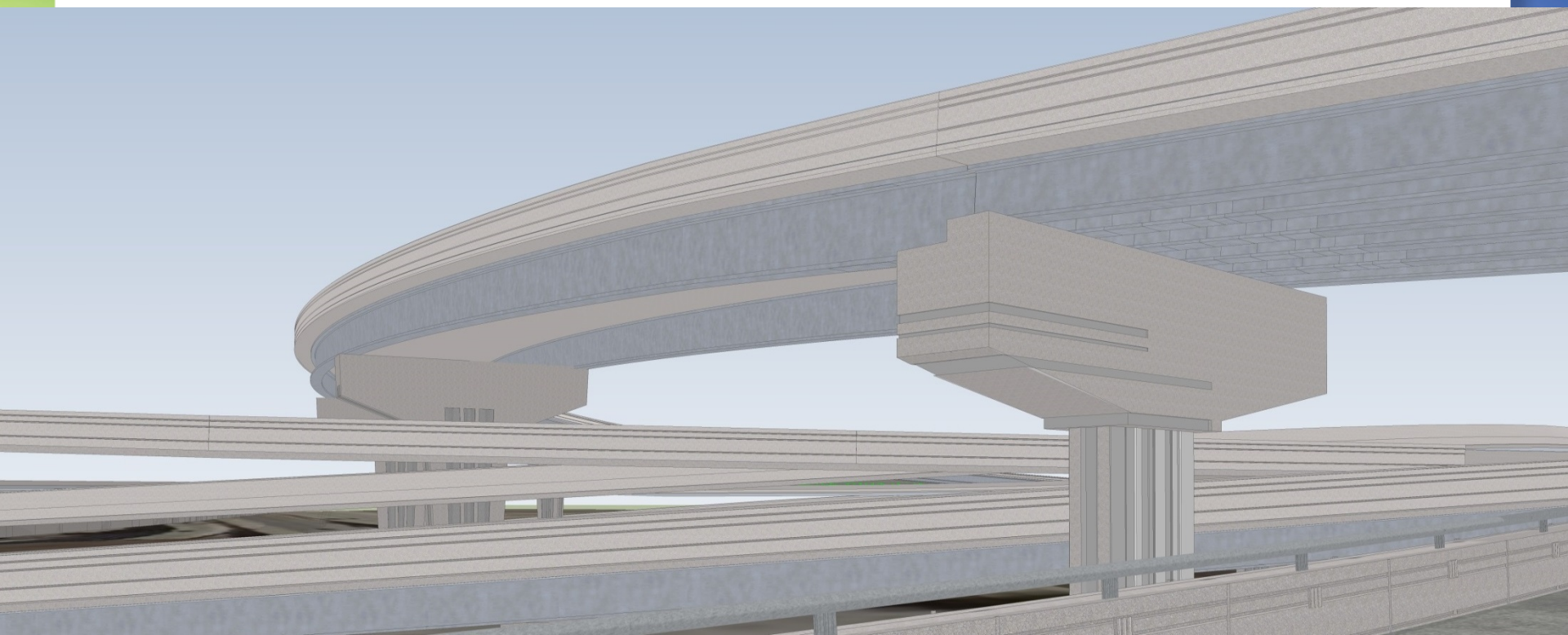
www.circleinterchange.org



Northwest Flyover



- Curved Steel Girders Divided in 6 Units
 - Girder Depths Varies from 48 inch to 90 inches
- Pier Locations to accommodate future CTA tunnel extension



www.circleinterchange.org

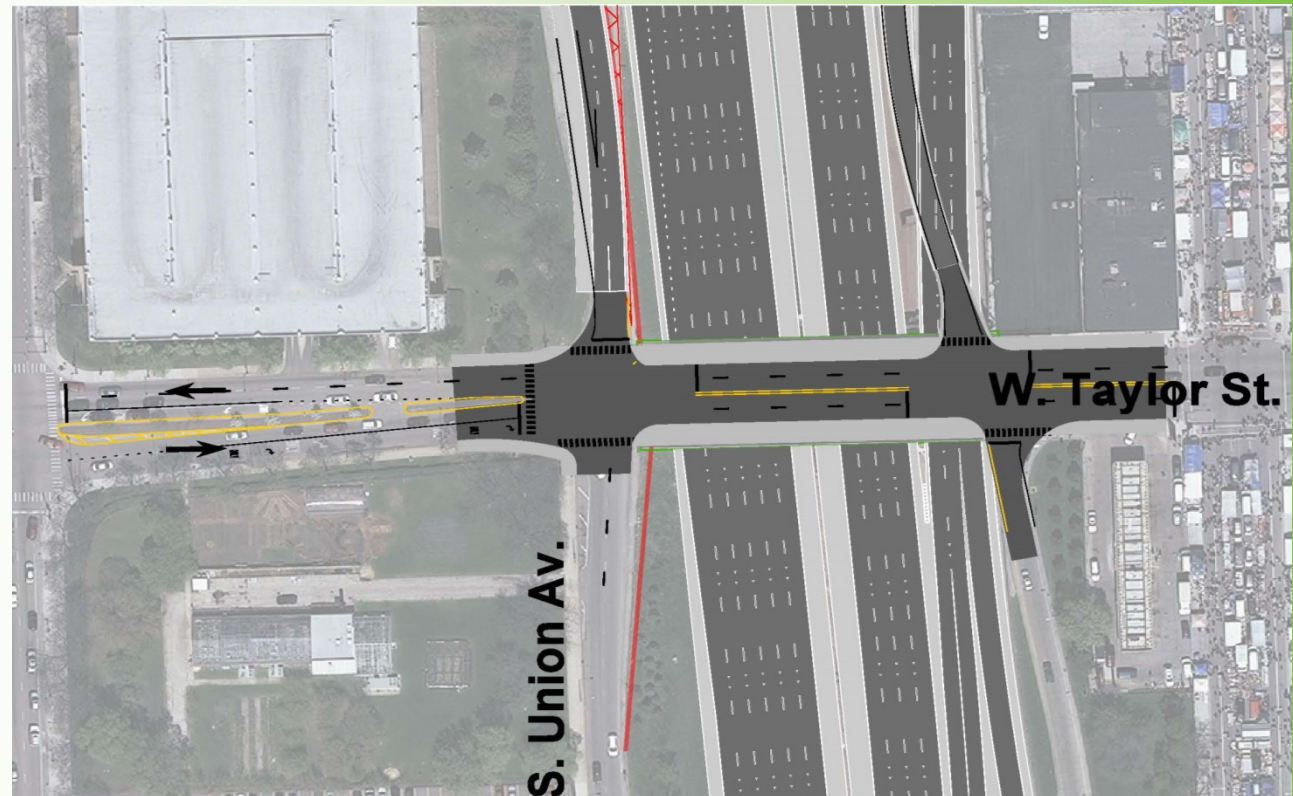


Taylor Street Over I-90/94



Contract 60W30

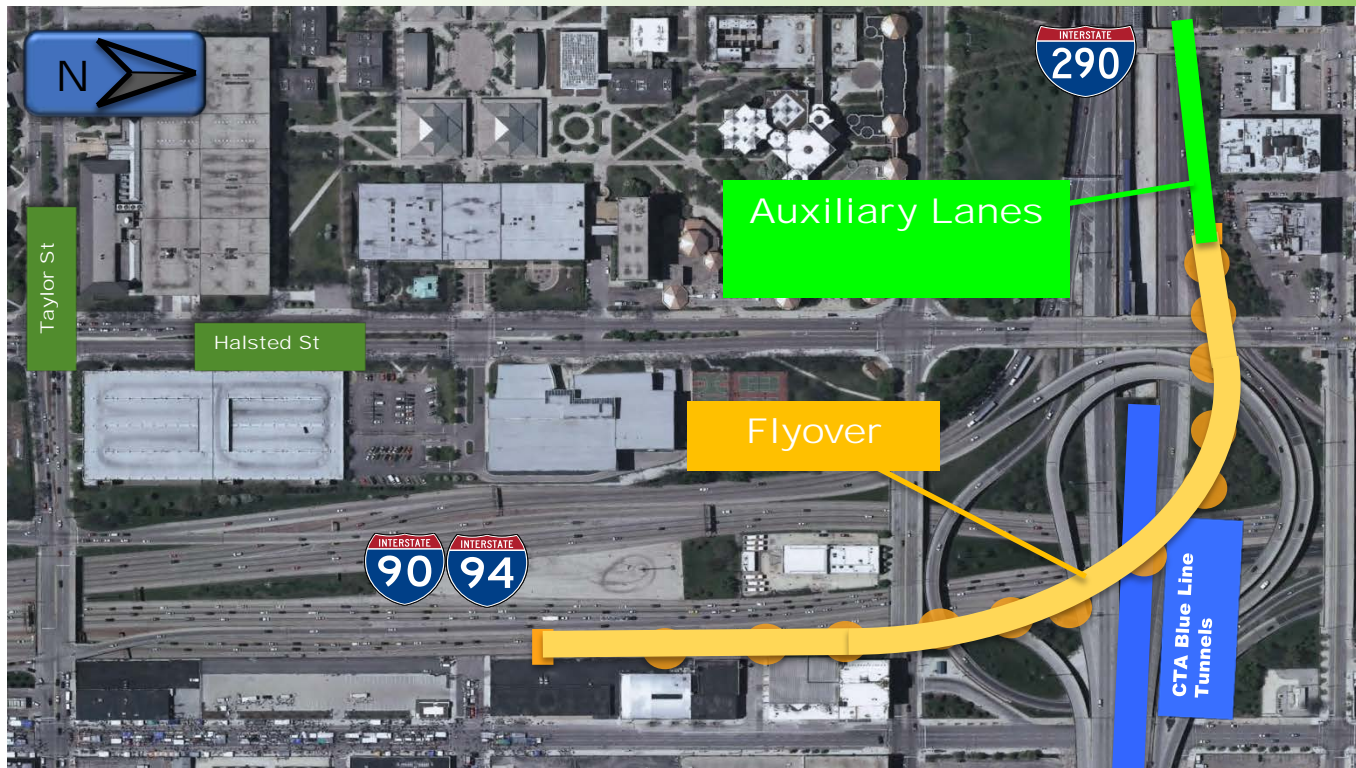
- Current Target Letting 03CY15 (Letting date has been moved up to coincide with construction closer for the Flyover)
- Estimated Cost: \$19,230,000



West I-290 Auxiliary Lanes from Peoria Street to Morgan Street

Contract 60W28

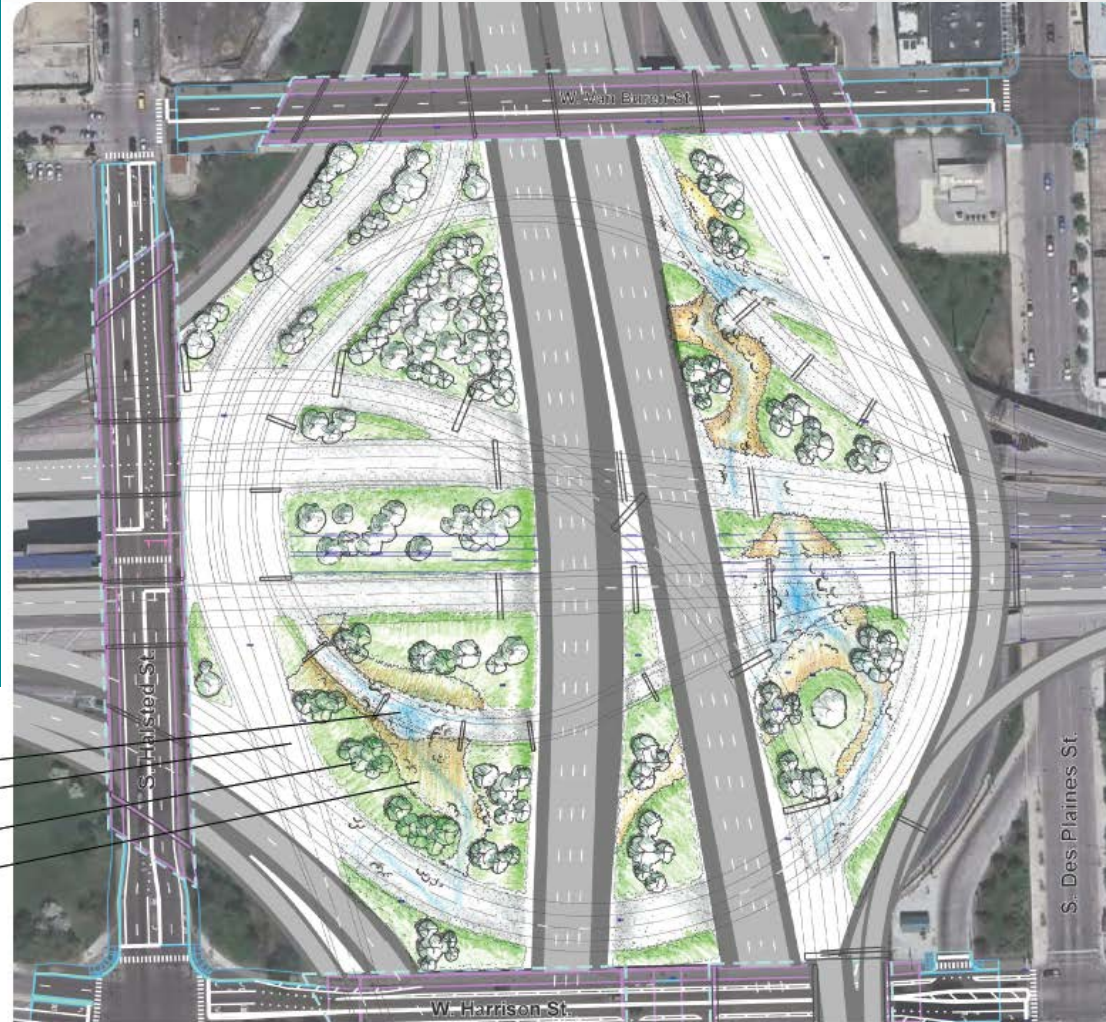
- Current Target Letting 03CY15
- Estimated Cost: \$15,065,000



www.circleinterchange.org

Sustainability Practices

- Rain Gardens
- Limestone riffles
- Dense tree plantings
- Native Illinois Plants
- Limestone outcroppings and grading



Stormwater collection area

Coarse gravel

New shade trees

Moisture tolerant planting

www.circleinterchange.org



Benefits



5,000 Jobs

The improvement will create a safer environment for the motoring public by reducing the predicted number of severe crashes

by up to **25%**.



After Project Completion,
A **50% reduction in delay** for all vehicles over the course of the day.

- Reduction of up to **5 million hours annually** of drivers sitting in congested traffic.
- Savings of **\$185 million annually** in lost production from delayed travelers.
- Reduction in idle time resulting in nearly **1.6 million gallons annually**.
- Reduce greenhouse gas emissions by **one-third**.



Thank you!

www.circleinterchange.org

