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# Jane Addams Memorial Tollway (I-90)

Pete Foernssler, Illinois Tollway  
February 27, 2018

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# Jane Addams Memorial Tollway (I-90) Rebuilding and Widening Project



Presented by Pete Foernssler on February 27, 2018

2011

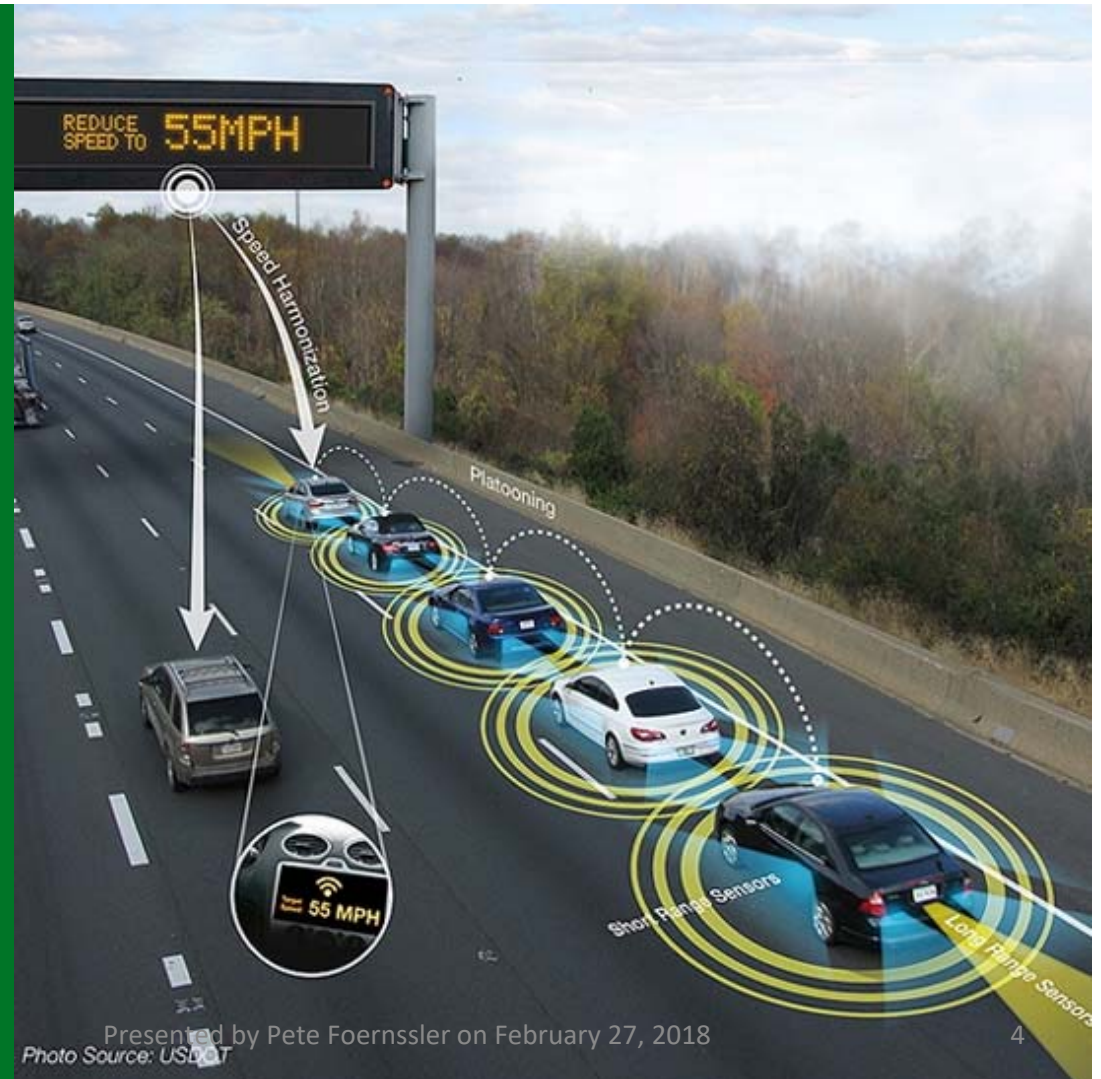
**MOVE  
ILLINOIS**



2016

2026

# What's In The Future?



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# Imagining A State-of-the-Art Corridor



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# Planning And Design

# Corridor Planning Council

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## Guiding Principles

1. Improve the performance of the Interstate 90 corridor to support the economic vitality across northern Illinois, thereby enhancing passenger, commuter, and freight mobility for the corridor.
2. Require cooperative planning among agencies and municipalities to guide future investments along Interstate 90 in a transparent and accountable manner.
3. Taken together, the Tollway, IDOT, CTA, Pace and Metra move more than one million people a day. Collectively, we need to plan for current and future levels of congestion by improving the overall throughput of the corridor by enhancing accessibility and providing transportation choices. Future transportation plans must take into account the broader impacts and benefits within the corridor.
4. Minimize the environmental impacts of transportation infrastructure and operations and promote sustainable practices.
5. Support financially viable solutions that protect the Interstate 90 corridor and allow flexibility for future growth.
6. Maximize the use and extend the lifecycle of the collective infrastructure assets along the Interstate 90 corridor.

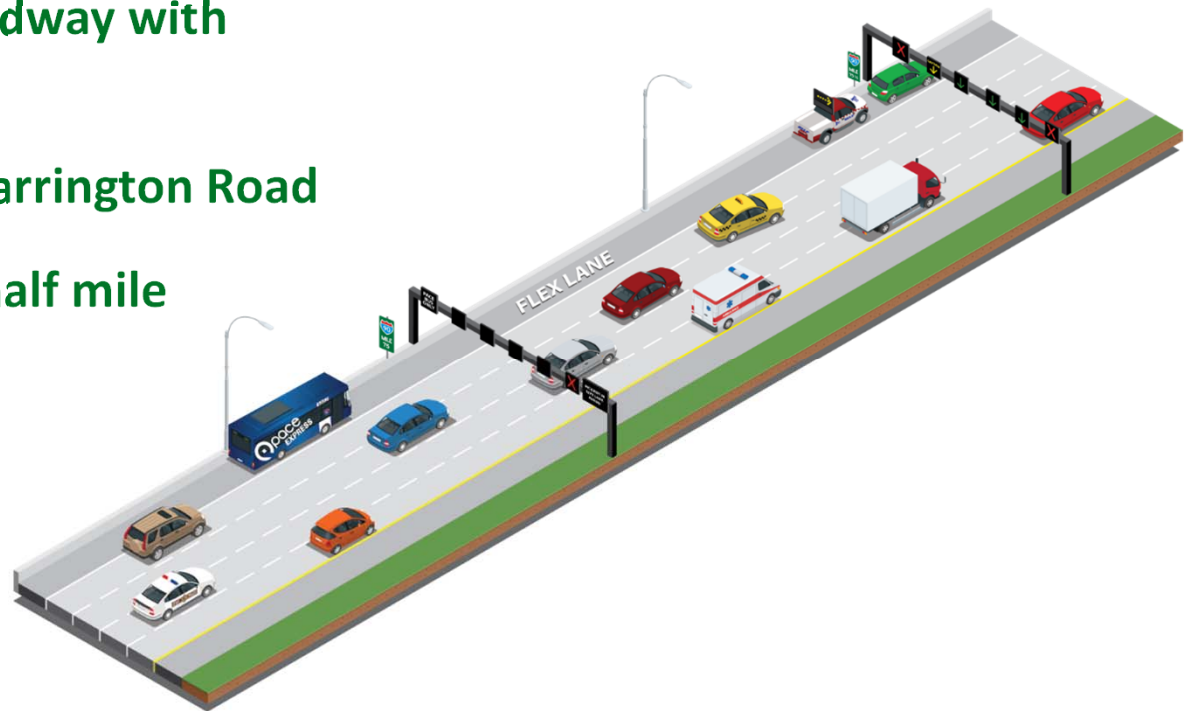
# Anticipating Smart, Real-Time Technology

A safer, more efficient roadway with real-time information

Kennedy Expressway to Barrington Road

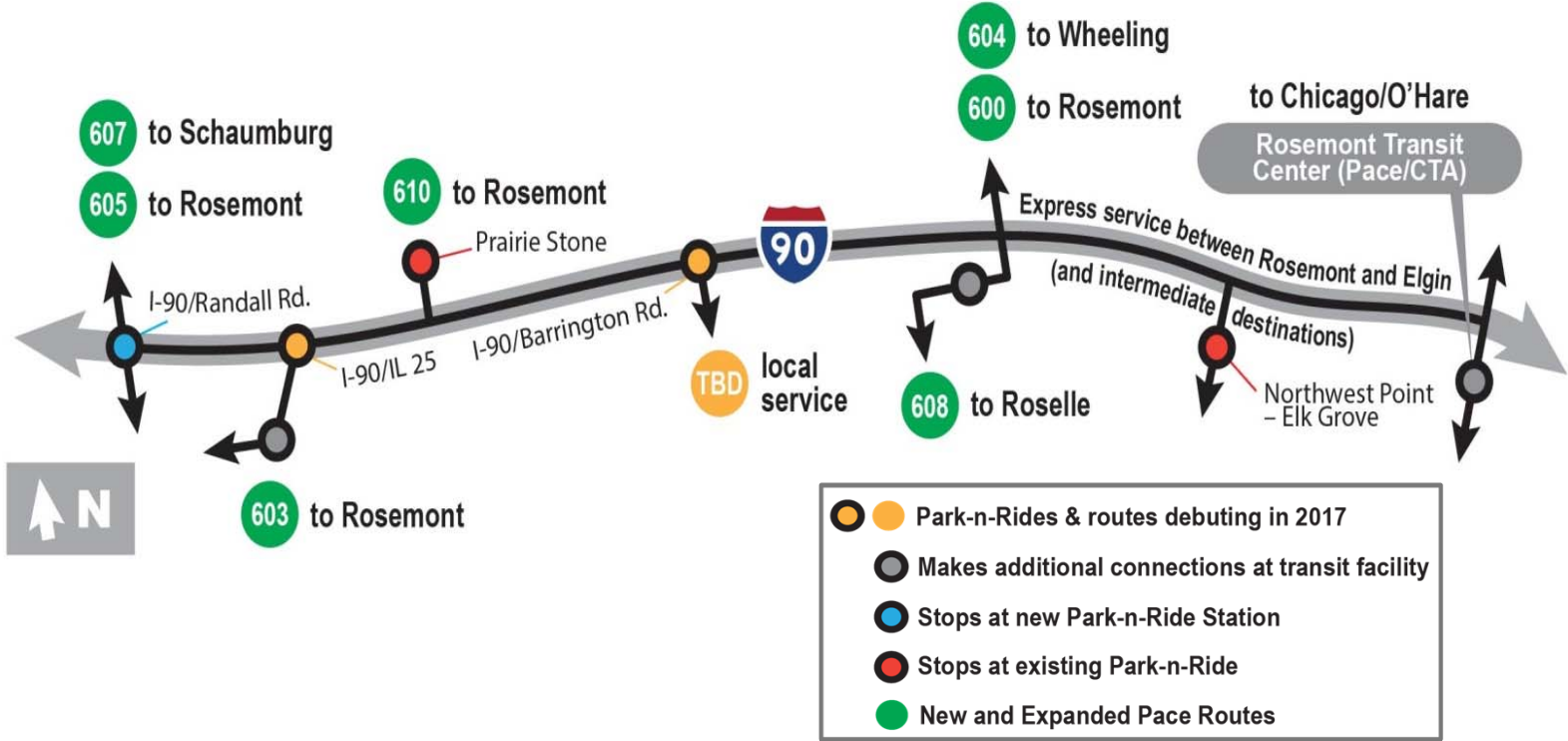
High-tech gantries every half mile

Flexibility for the future





# Incorporating Transit



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# Construction

# Building The Roadway

Originally built in 1958

Heavily traveled area

Mix of development

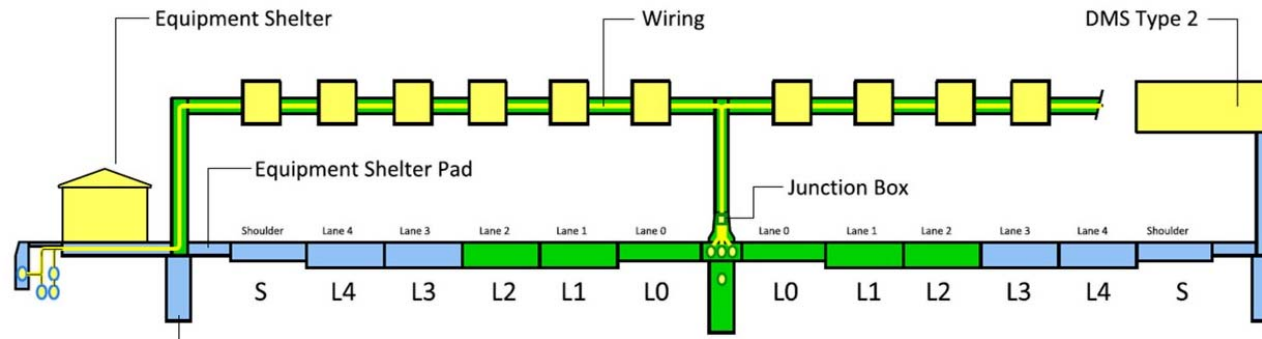
Construction challenges

Complete in 2016

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# What Was Built When?



Work Description	2014	2015	2016
Outside mainline contracts		Outside foundations Shelter pads O/S conduit/manholes	
Inside mainline contracts			Gantries Lane shifts
ITS elements		Shelters set Wiring and equipment	LCS hung
Integration			



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# Unique Utility Coordination

26 utility companies

385 utility relocations

14,000 Nicor watch and protect

10,500 feet Nicor transmission relocation

4-mile water main relocation (24-inch to 90-inch)



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# Pavement Performance A Priority

**Goal: develop a pavement that would last in excess of 70 years**

**400 lane-miles of jointed plane pavement**

**Five criteria to grade performance**

- Smoothness
- Strength
- Thickness
- Air content
- Dowel bar alignment

**Shared risk and reward**



The Illinois Tollway  
**DRIVING  
THE FUTURE**

# Environmentally Driven

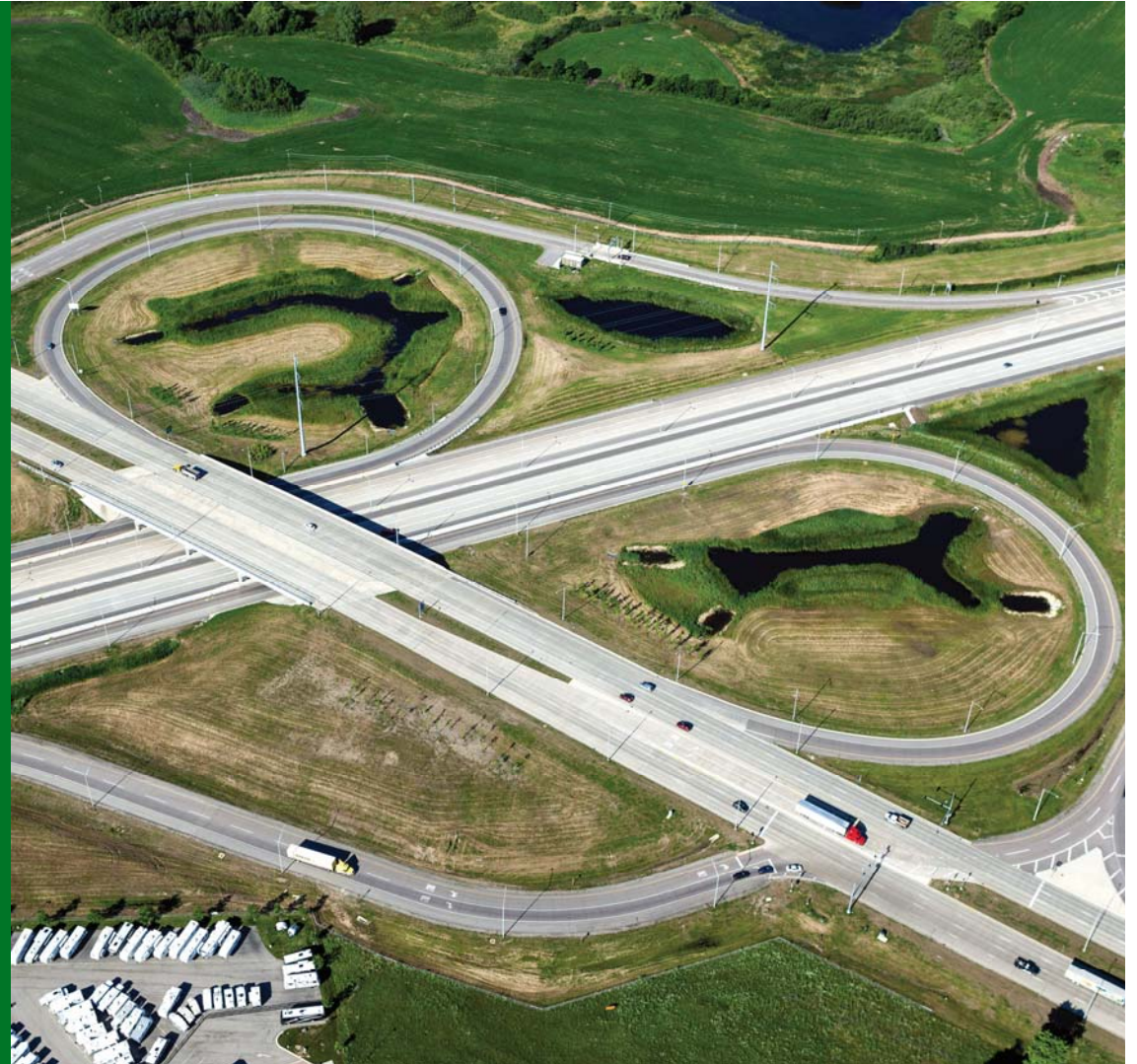
Recycled materials

Warm-mix asphalt

Stormwater management

LED lighting

Environmental restoration



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# I-90 SmartRoad Implementation

Extensive testing and training

Customer outreach

## Benefits

- Makes the road safer and more efficient
- Provides real-time information
- Allows drivers to make personal travel decisions based on conditions





# Real-Time Traffic Information



# SmartRoad Video

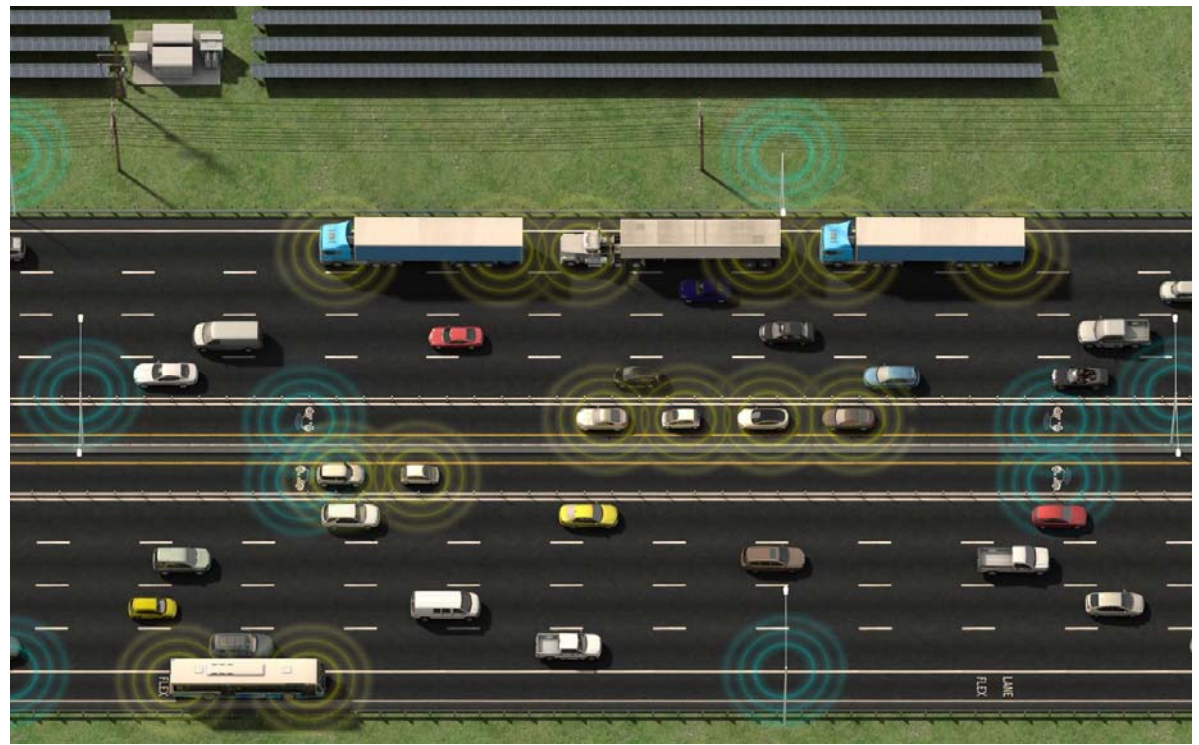


# Only The Beginning

Test bed for the future

CV/AV technology

Electric cars



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**Thank you!**

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**Pete Foernssler**

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