



I-55 | **MANAGED LANE
PROJECT**

Archer Heights Civic Association Meeting

December 13, 2017

I-55 PHASE I from I-355 to I-90/94

DUPAGE • COOK COUNTIES



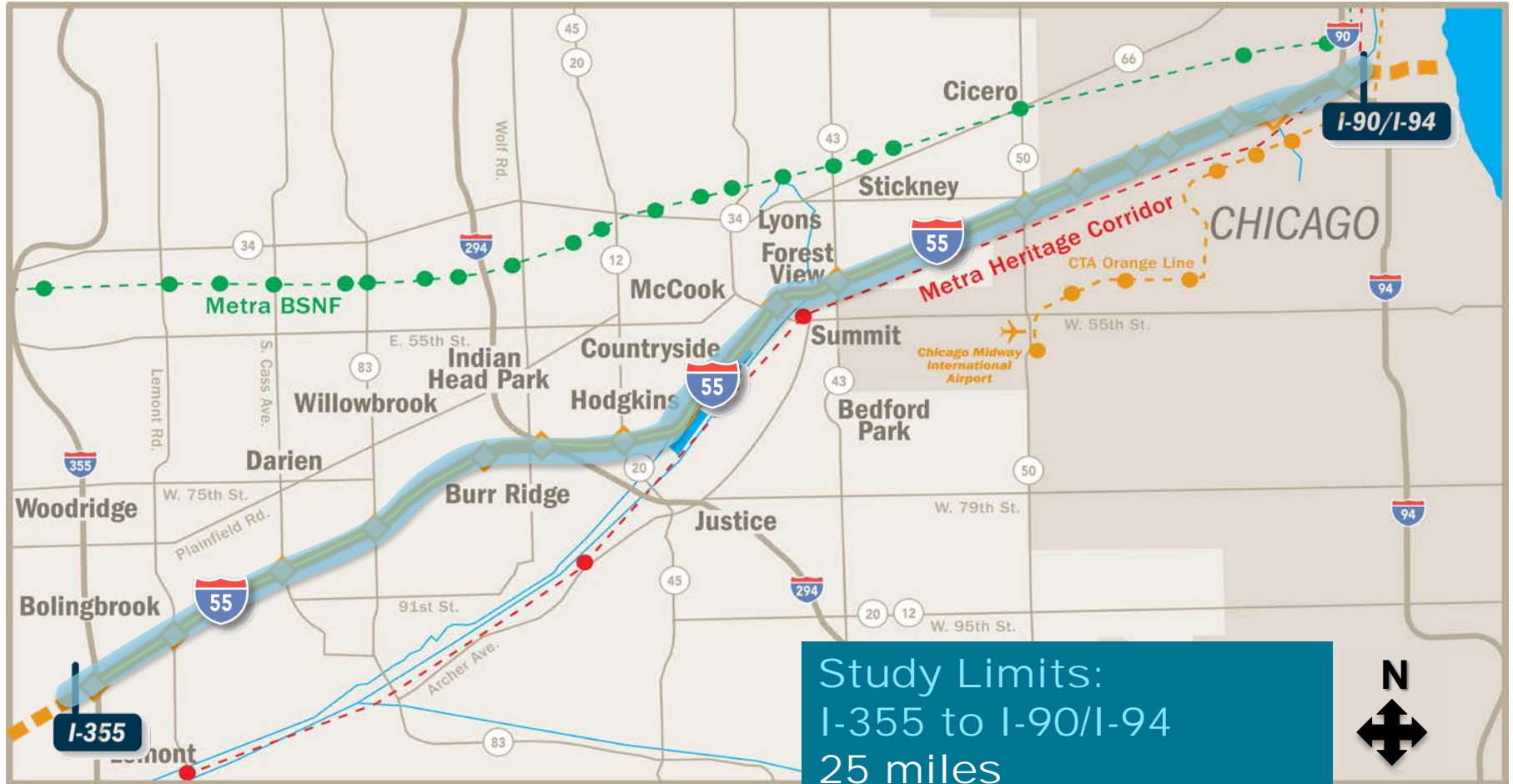
**Illinois Department
of Transportation**

Meeting Agenda

- Corridor Overview
- Previous Study
- After Previous Study
- New Alternative
- Next Steps
- Other Corridor Projects



I-55 Study Area



I-55 Existing Conditions

I-355 to I-90/94



Daily Congestion

12 hours of delay

Average of 4 crashes per day



Existing Typical Roadway Sections



I-55 Bus-on-Shoulder Program

Successes since inception:

- On-time performance improved to approximately 92%
- Ridership quadrupled between 2011 – 2016, over 460% increase
- 5 routes using the corridor
- Developed 2 new park and ride lots



Limitations:

- Buses can only use the shoulder for 15 miles or 65% of the corridor
- 35 mph maximum speed limit
- Shoulder may only be used when mainline traffic speed is under 35 mph



Project Purpose and Need

- **Mobility** and **operational efficiency** to adapt to changing travel demands
- **Congestion management strategies** to improve system performance & travel time reliability
- **New travel choices** supporting transit opportunities
- **Sustainable transportation solutions** that meets future environmental & economic needs
- **Maximize use of existing facility** to recognize funding constraints





TRUCK ONLY LANE



GENERAL PURPOSE LANE



HIGH OCCUPANCY VEHICLE (HOV) LANE



HIGH OCCUPANCY TOLL (HOT) LANES



EXPRESS TOLL LANES (ETL)



Express Toll Lane (ETL): Best Addresses Corridor Needs



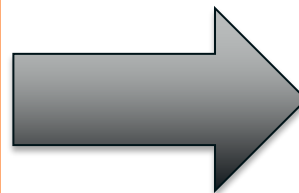
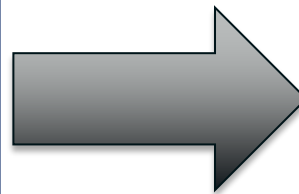
TIME SAVINGS

- *ETL - 10 to 15 minutes time savings in AM and PM Peak*
- *Existing Free Lanes - 5 to 10 minutes time savings*

- Greatest ability to **control congestion**
- Best accommodates **Pace Bus on Shoulder**
- Compatible with regional **tolling technology**
- Ease of **Enforcement**



Approved Plan for I-55 Corridor



What is a P3?



*A contractual arrangement between a **PUBLIC AGENCY** and a **PRIVATE ENTITY** to deliver a service or facility for the use and benefit of the public.*



- *The Public Private Partnership for Transportation Act*

requires IDOT to receive approval from the general assembly



Benefits of a P3



Faster
Project
Delivery

Technical
Innovation



Private
Sector
Efficiencies



Investment of
Private Capital



I-55 Project Activities After the FONSI



- **July 2016** – Finding of **No Significant Impact (FONSI)** issued by the FHWA
- **September 2016** – **Industry Forum**
- **December 2016** – **Public Hearing** to introduce P3 Process



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What's New



Two Express Toll Lanes



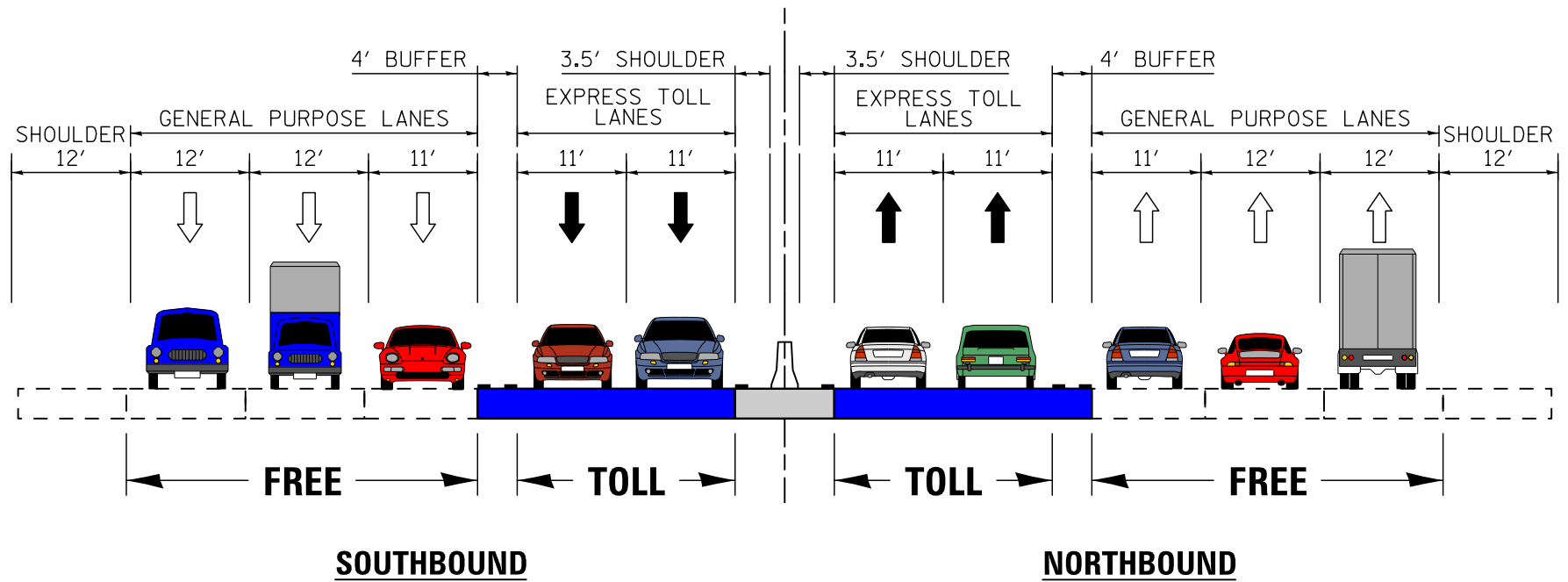
Two Express Toll Lanes



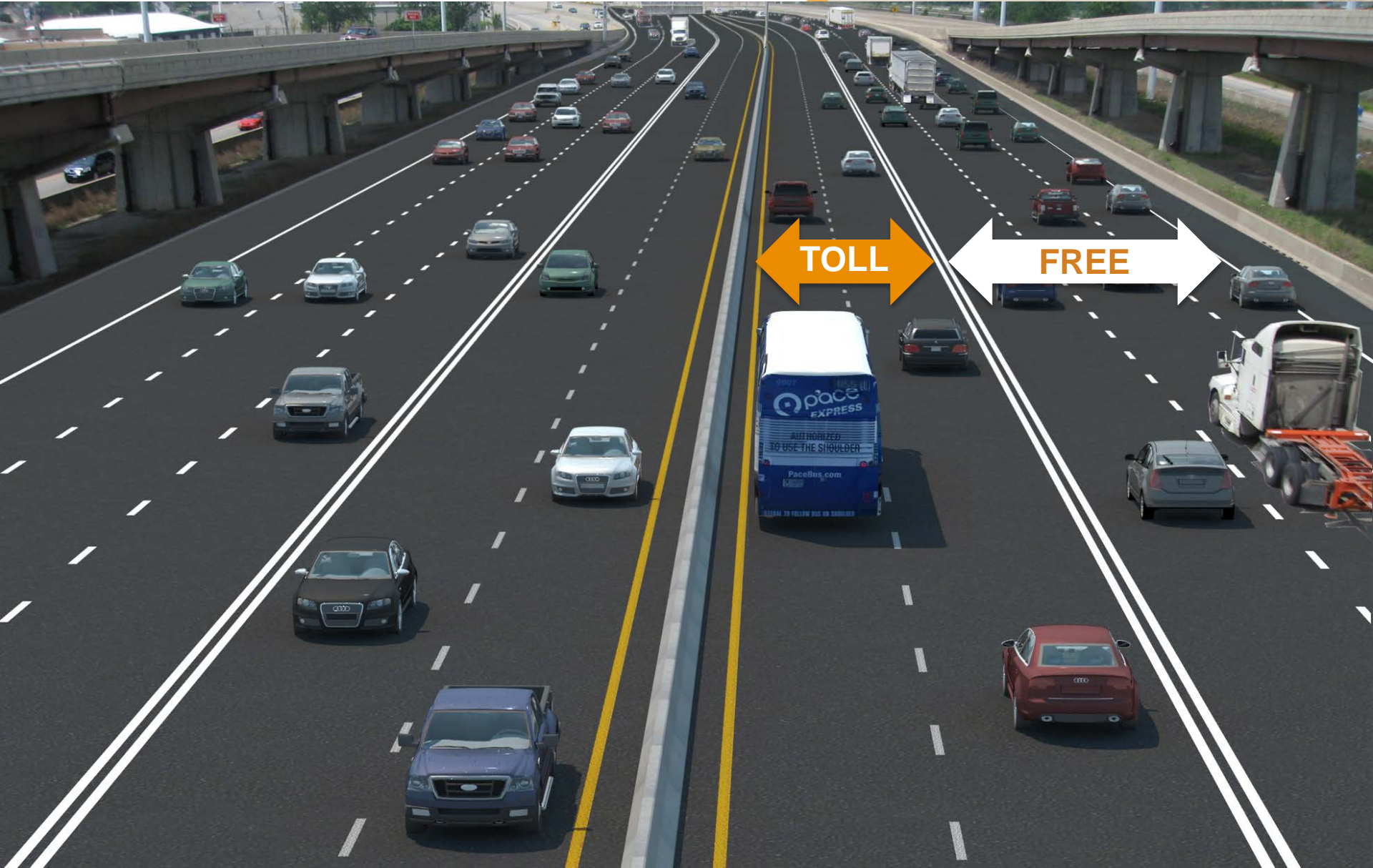
- Build upon previous findings of ***Environmental Assessment***
- ***No right of way*** anticipated
- ***One ETL in each direction*** approved
- Fundamental Purpose and Need ***stay the same***

Two Express Toll Lanes

Proposed Typical Section: I-294 to I-90/94



Two Express Toll Lanes Rendering



Benefits of Two Express Toll Lanes

- **45 mph reliability** in express lanes
- **Improved traffic flow** for parallel transportation network
- **Regional and local traffic benefits**



Easier to *manage*
and *operate*

More *cost efficient*

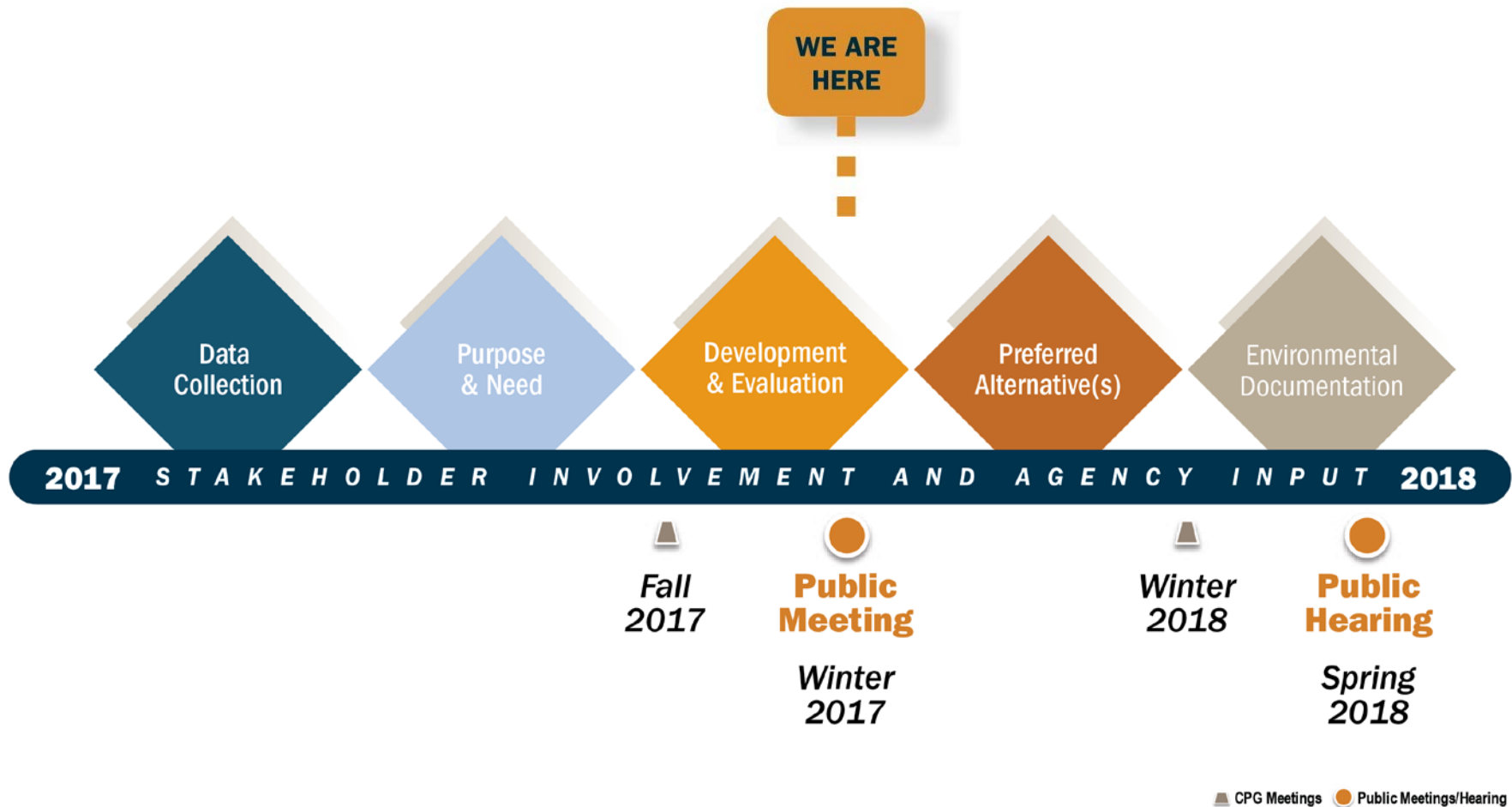
Congestion
related safety
improvements

Increased *transit*
reliability

No additional
right-of-way



Next Steps





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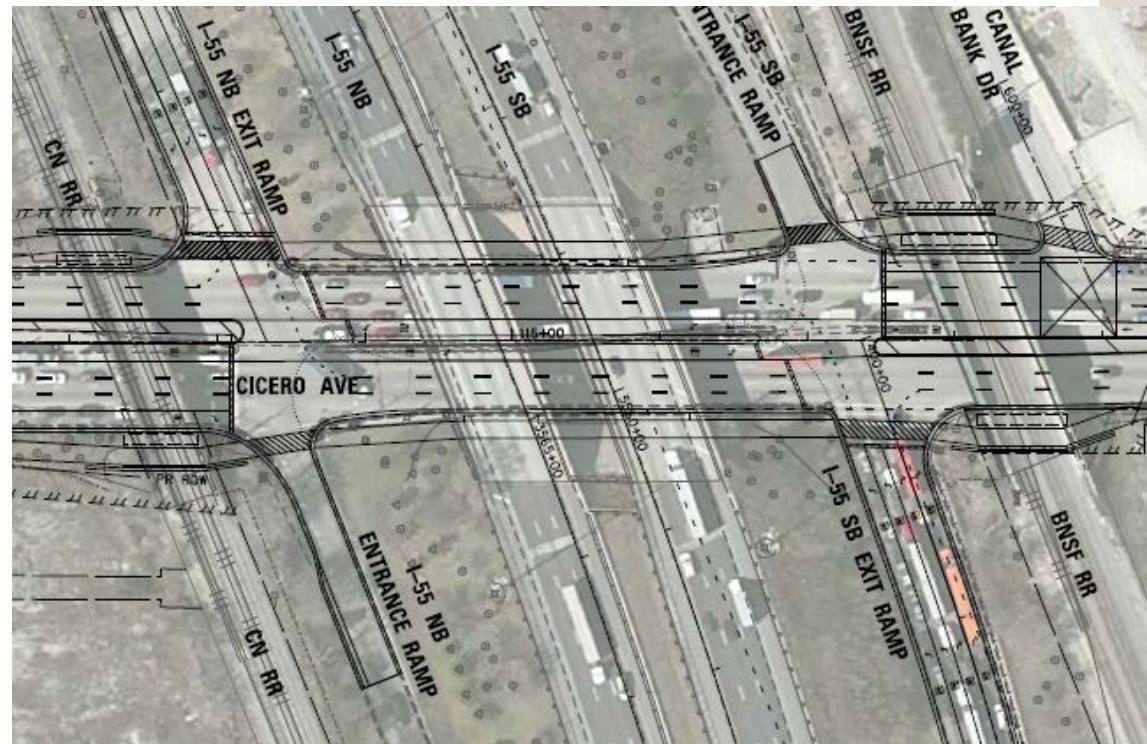
Other Corridor Projects



Other Corridor Projects

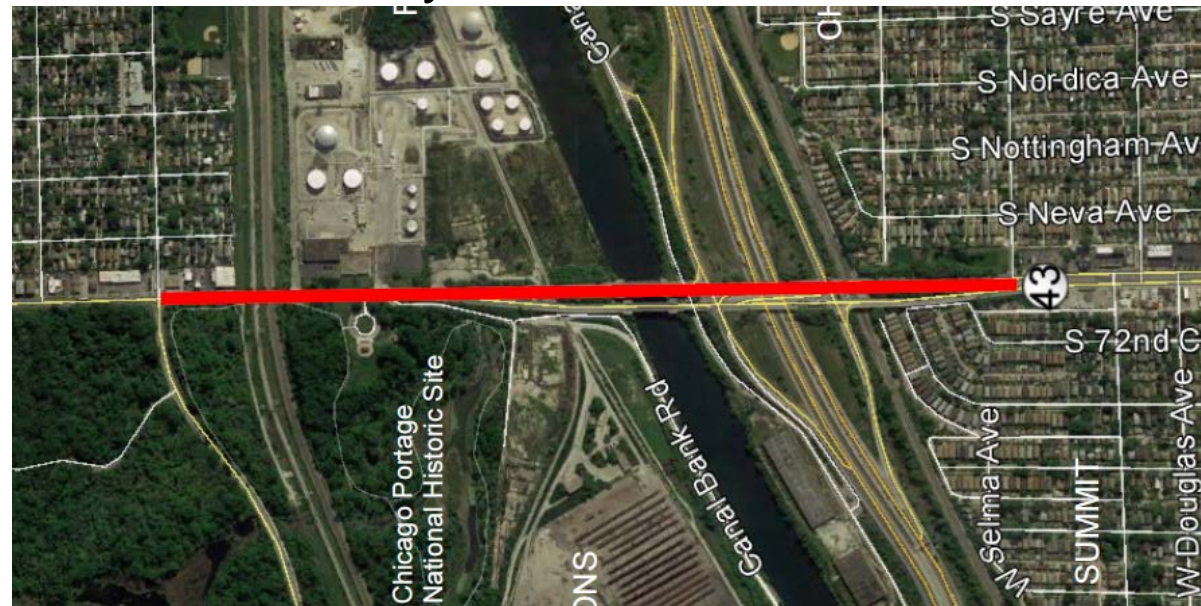
I-55 at Cicero Ave- Constrained by two RR bridges

- Replacement of I-55 Bridge over Cicero and widening Cicero Ave
- Proposed extended right turn lanes on Cicero at NB and SB ramps
- Left turn lanes from Cicero proposed as side by side and extended to provide additional storage
- Exit ramps extended to prevent back up on I-55



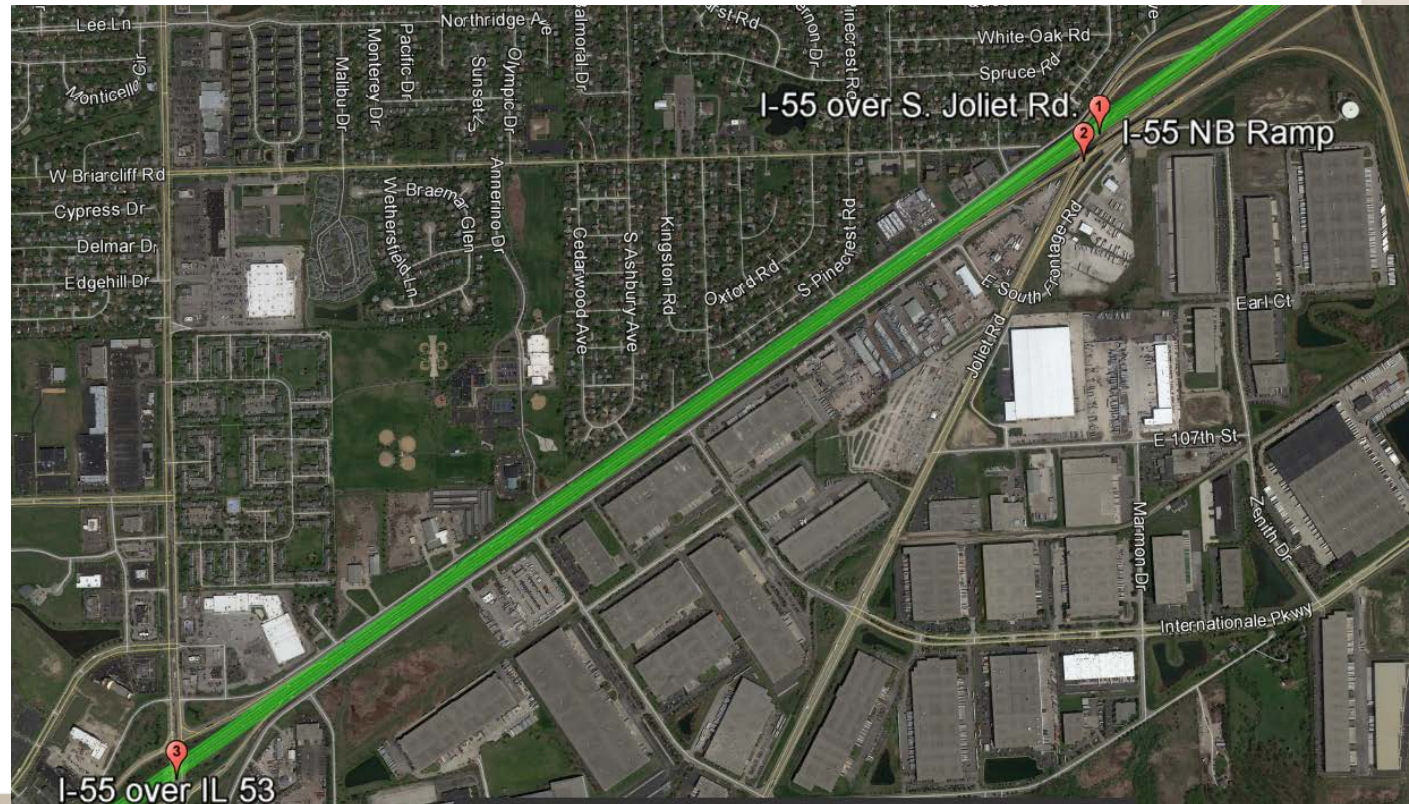
- **IL 43 at I-55**

- Project in initial stages of Phase I
- Study includes Bridges over I-55 and Sanitary & Ship Canal
- Three historic properties in study area
- Compatible with Express Toll Lanes
- Anticipated Phase I conclusion in 3 years



Other Corridor Projects

- **I-55 Auxiliary Lanes (IL 53 to I-355)**
 - Project to add auxiliary lanes from IL 53 to I-355 to provide ease of congestion
 - Anticipated Phase I conclusion end of 2018





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Questions?



www.i55managedlaneproject.org