

# REGIONAL TRANSIT SIGNAL PRIORITY IMPLEMENTATION PROGRAM

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Regional Transportation Authority (RTA)

Transport Chicago Conference  
June 7, 2013



# *Program Management Plan*

- Program Goal & Objectives
- Program Benefits
- Program Organization
- Program Policies & Guidelines
- Program Execution
- Program Monitoring & Reporting
- Program Timeline

# Program Goal

## ***Develop and implement a regionally interoperable TSP system***

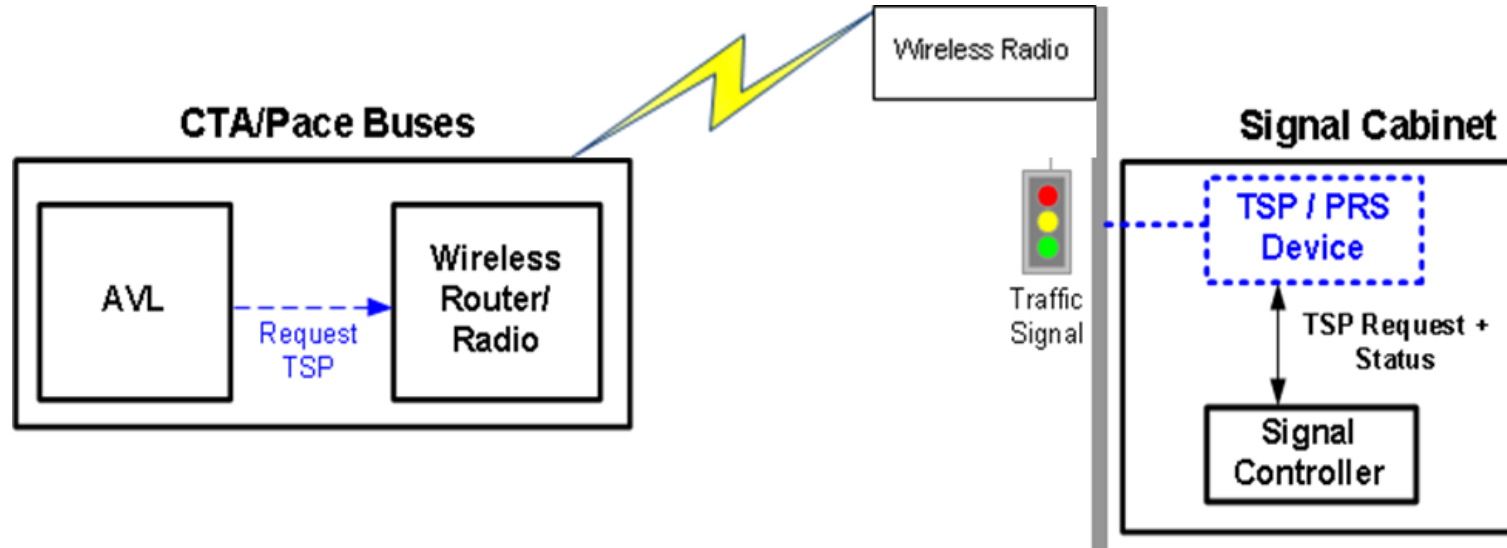


- Interoperability between CTA and Pace buses
- Interoperability between transit and highway
- Interoperability between transit and emergency vehicles

# *Existing Operational Environment*

- **Different Transit CAD/AVL System**
  - CTA's Clever Devices System
  - Pace's Trapeze TransitMaster System
- **Various Traffic Signal Controllers**
  - CDOT's Peek ATC-1000 Controllers
  - DOT's Mix of Econolite / Eagle Controllers
- **Multiple TSP Communication Options**
  - Optical emitters
  - Radio: DSRC, WiFi

# Program Objectives

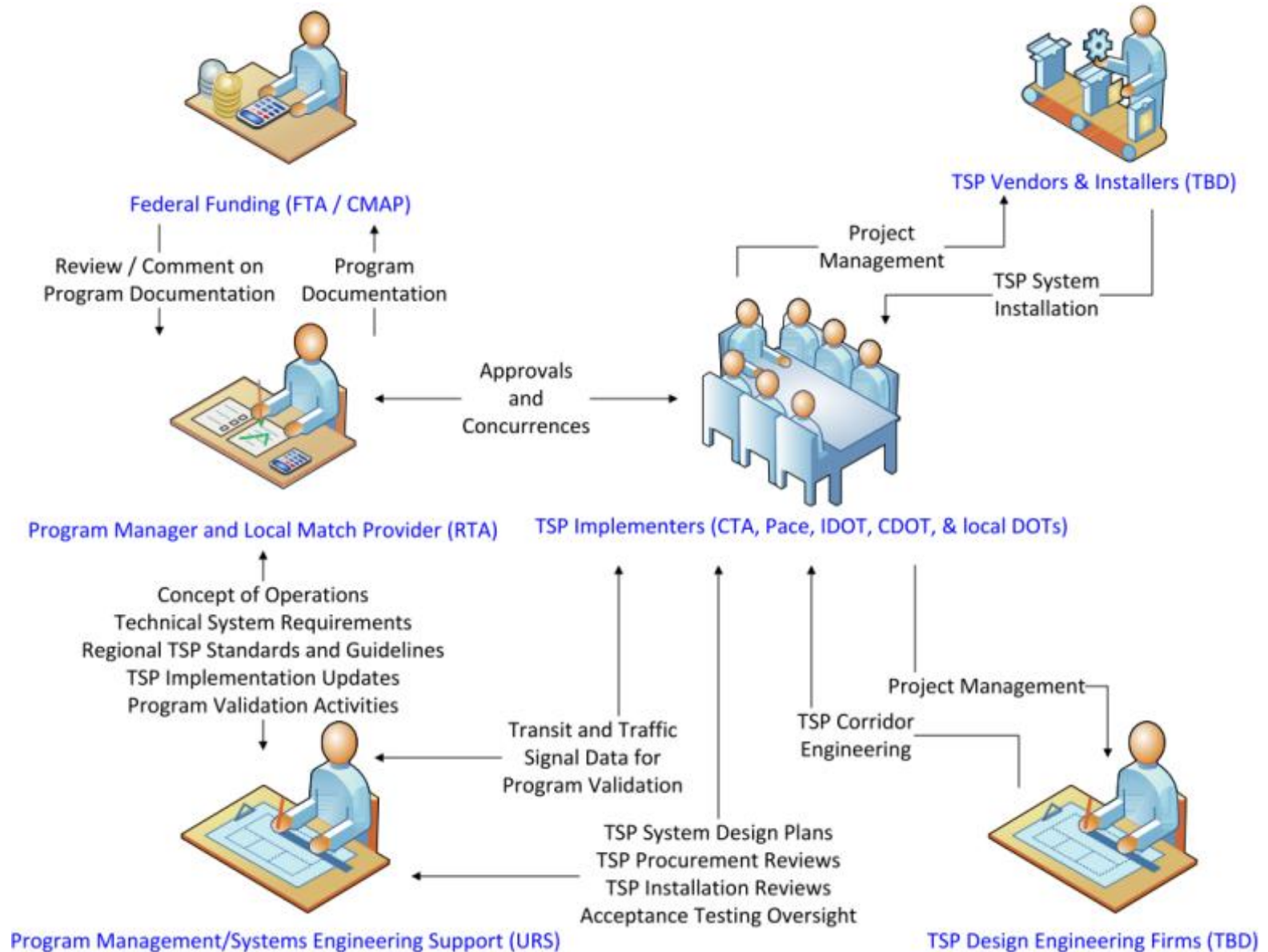


1. Establish Regional TSP Standards and Implementation Guidelines
2. Design and install TSP on approximately 30 corridors over 5 years

# *Program Benefits*

- ***TSP Benefits***
  - Improve transit performance
  - Reduced operating cost
  - Optimize and maintain traffic signal coordination
- ***Interoperable TSP Benefits***
  - Non-proprietary standards
  - Compatible technology for communications throughout the region
- ***Treatment for BRT and ART Corridors***

# Program Organization



# *Program Policies & Guidelines*

- **Technical Standards**
  - Operational guidelines
  - Standardized message sets
  - Standardized communications technology
  - Regional performance measures
- **Funding**
  - Federal/CMAQ Rules & Regulations
  - Technical Services Agreements
  - Project execution



# *Program Execution*

1. Annual RTA requests for candidate corridors from Pace and CTA
2. CTA and Pace nominate candidate corridors to RTA
3. CMAP provides input on related TIP projects along corridors
4. TSP Working Group establishes Annual Program of Projects
5. RTA establishes an Annual Project Portfolio

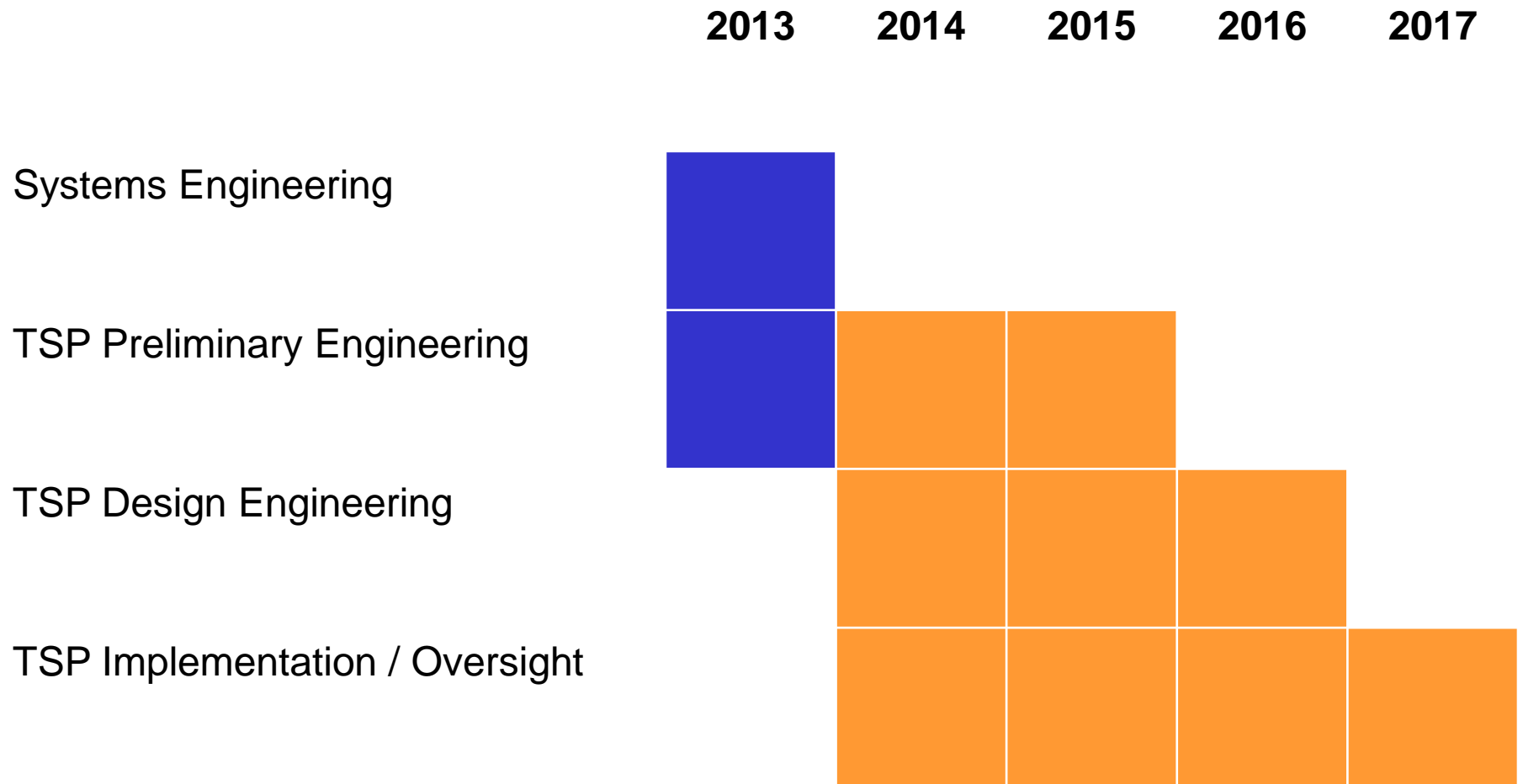
# *Program Monitoring & Reporting*

- **Project Controls**
  - TSP activities
  - Scope, budget and schedule
  - Compliance with Regional TSP Standards
- **Project Tracking**
  - Project progress tracking
  - Program progress tracking
  - Performance measures

# *Program Timeline (2013)*

- *Program Management Plan (PMP)*
- *Systems Engineering Management Plan (SEMP)*
- *Preliminary Engineering for 2013 Corridors*
- *Regional TSP Standards and Implementation Guidelines*

# Program Timeline (2014 – 2017)



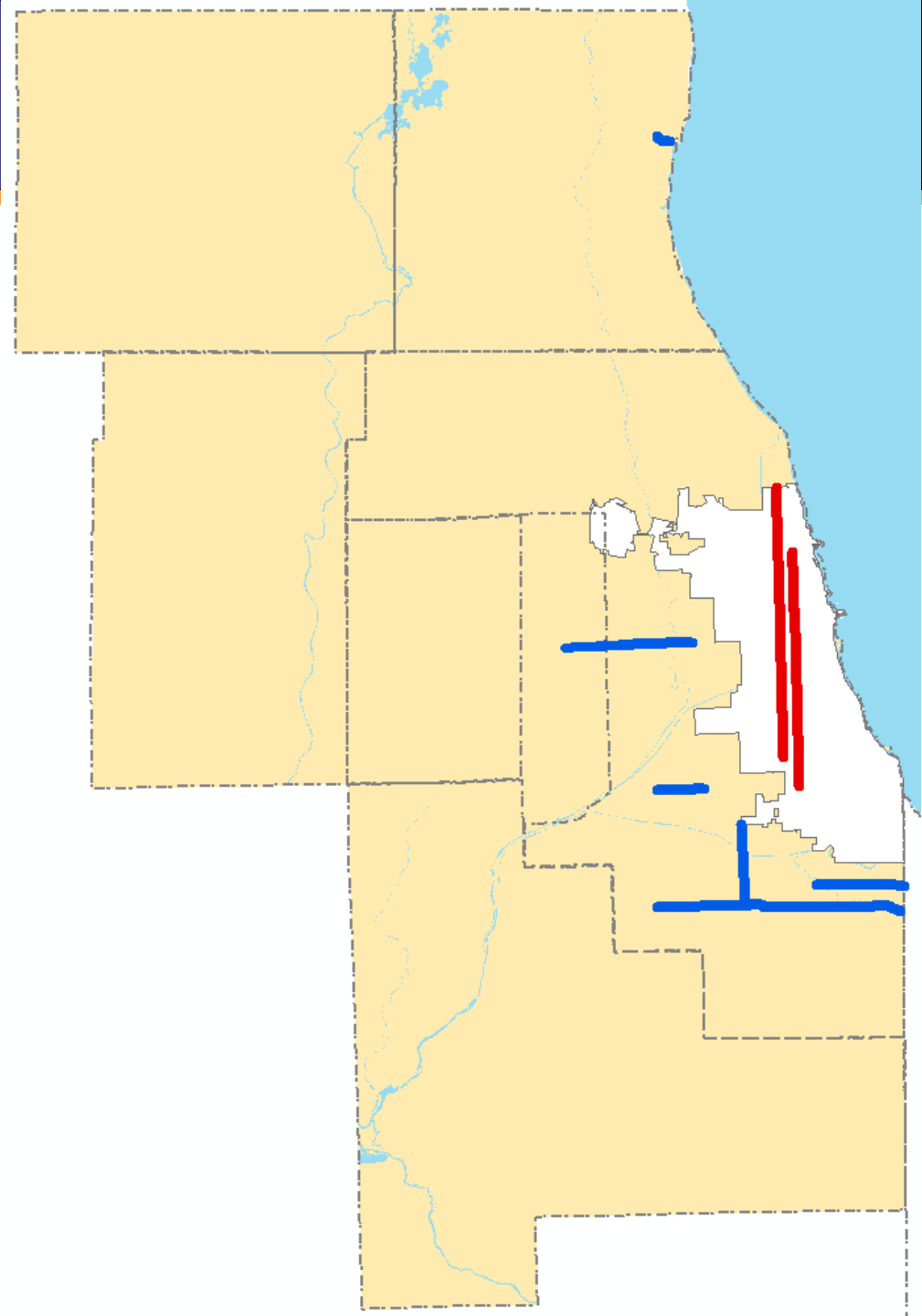
# 2013 Program

## — CTA Corridors

- Ashland Ave.
- Western Ave.

## — Pace Corridors

- Grand Ave.
- Roosevelt Rd.
- 95<sup>th</sup> Street
- 147<sup>th</sup> Street
- 159<sup>th</sup> Street
- Cicero Ave.



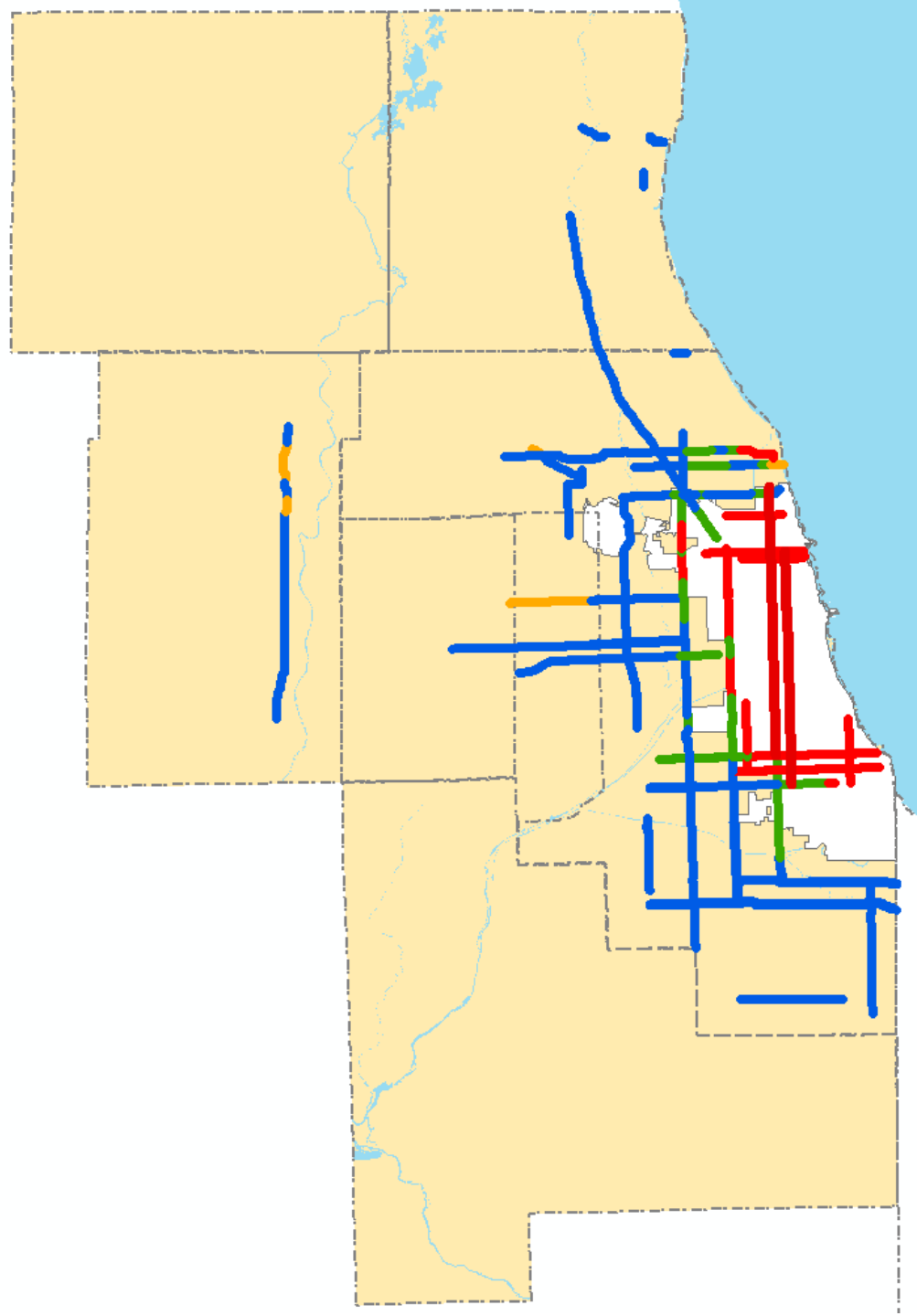
2014 - 2017

**~30 TSP Corridors**

— *CTA Corridors*

— *Pace Corridors*

— *CTA & Pace*



*Thank You!*

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