

# highway traffic signal improvement project



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Regional Transportation Operations Coalition | 9/30/2019

# Overview

- Traffic signal recommendations in many CMAP studies
- The project is included in the FY20 work plan

**Description:** This project builds off action recommendations in ON TO 2050. The project will include a Status Report of the state of highway traffic signals, followed by the development of a regional policy for upgrades and maintenance of the systems. The project will also prepare a recommendation for a program to modernize traffic signals, including the provision of TSP and centralized communications. The project will also include continued updates of the Highway Traffic Signal Inventory for IDOT and the City of Chicago.

- In-house development

# Traffic signal improvement project goals

- Develop a shared understanding of the state of the region's traffic signal system
- Develop a shared vision for the desired future of the system
- Identify gaps between the Vision and the current state
- Recommend a program to fund investments that move the region towards the desired system

# Project schedule

The schedule is oriented around the RTOC schedule. RTOC should be introduced to the subject and also be able to review and provide input on the draft and final reports.

	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20
<i>RTOC Meetings</i>				X			X		X			X
Scope and Schedule												
Existing Conditions Report				Draft			Final					
Vision Development				Disc uss			Draft		Final			
Signal Investment Plan							Disc uss		Draft			Final
Signal Program Design									Draft			Final

# Existing conditions report feedback

- Accuracy of summary and section write-ups
- Important information that wasn't requested

# Maintenance, management and asset management

- Maintenance and repair – in-house or contracted out?
- Maintenance visit tracking exists? Annual number of maintenance visits by purpose? Scheduled or emergency? Reliance on complaints from the public?
- Traffic signal retiming – percent of signals retimed in the last 3 years?
- Controller – how many changed in the last 10 years?
- Detection/communication – how are failures identified
- Has a traffic signal system audit ever been undertaken?
- Does a traffic signal asset management plan exist? Are there plans to complete one? Is this underway?

# Overall conclusion?

## *Facilitated discussion*

**Signal system vision...**  
**What are the ideal conditions for your  
signal system?**



# Next RTOC steps

- Today
  - Review preliminary draft existing conditions report ✓
  - discuss system vision ✓
- January 2020
  - Review **final** draft existing conditions report
  - Provide input on **preliminary draft** system vision
  - Discuss gap analysis and priority investment areas

# Thank you.

Send any questions, comments, or suggestions to

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