

# **Traffic Signal Optimization Program FY 2015 Projects**

## **Transportation Review Committee**

**October 23, 2014**



# What is Traffic Signal Optimization?

- Synchronized Traffic Lights
- You know it works when you experience it
- They need to be adjusted at least once every 3 years



# TSOP Goals & Objectives

- Provide technical assistance to member agencies in addressing complex traffic signal coordination tasks
  - Utilizing MAG On-Call Consultants
- Provide member agency staff an opportunity to receive training on how to utilize software essential for signal timing
  - Workshop on SYNCHRO software

# MAG Program & Accomplishments

- Started in 2004
- A total of 101 projects addressing 1000 signalized intersections (total approx. 3400)
- A call for projects, applications evaluated and recommended by the ITS Committee
- 10-12 projects each year, addressing on average about 100 intersections
- Cost - \$300,000 per year
- Cost of individual projects ~ \$25k-\$30k
- No cost to the local agency

# Benefits

- Reduced delay & fuels costs
- Improved air quality due to reduced emissions
- Reduced driver frustration
- Improved safety
- Benefit- Cost ratios -- from 17:1 to 40:1

# FY2015 TSOP Recommendation

- 11 Projects
  - Traffic operations at 220 intersections in 10 agencies
  - Before-and-After comparison at 23 intersections
  - Projects scheduled to begin in February 2015 using MAG On-Call consultants
- 3-Day Workshop on SYNCHRO Traffic Signal Timing Software (typical attendance 25):
  - No cost to member agencies
  - Maricopa County Training Facility
  - Dates: February/March 2015

## FY2015 TSOP Recommendation (Contd)

- Total cost of projects = \$303,000
- Budget available = \$ 303,000 (includes \$3000 balance carried over from FY2014)
- All projects will be carried out through MAG On-Call consultants
- Does not require a local match

# Thank You!

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