

ENGINEERING DEPARTMENT



Adaptive Traffic Control System

A new Adaptive Traffic Control system was recently completed in time for the Spring Training season at the three signals along 83rd Avenue in front of the stadium and along Paradise Lane at 77th and 75th Avenues. The photos above are of the 83rd Avenue & Stadium Lane and of the new equipment located in each intersection's traffic signal control cabinet.

This new system links the intersections through a computerized system that adjusts the timing of the signals in real time. There are new video detection cameras set up that look ahead and register on-coming traffic and count the number of vehicles that are approaching the intersection. The computer then uses an algorithm within a pre-determined set of parameters to adjust the signal timing in real-time to minimize the amount of traffic delays.

The City of Peoria tested the InSync system on Bell Road for the past couple of years and the system proved to work very well. Maricopa County is now working with several cities along Bell Road to purchase and install a system that would synchronize Bell Road traffic signals from Surprise to I-17 to improve regional traffic flow.

For further questions, please call the Engineering Department at 602-773-7212.

STATISTICAL INDICATORS

February 2014

Active Design Projects

6

Active Design Costs

\$960,669

Active Construction Projects

5

Active Construction Costs

\$56,885,983

Engineering Chargebacks

General Fund - \$86,548

HURF Fund - \$3,510