



# PUBLIC WORKS FACT SHEET

*Community begins here.*

## Traffic Signal Controller Conversion

Strategic Commitment:  
*Providing a Vibrant  
Infrastructure &  
Sustainable  
Environment*

### City of Modesto Public Works

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**Our Mission:**  
*“Our mission is to construct  
and maintain public  
infrastructure and operate  
utility and transportation  
systems to the highest  
standard of excellence and  
accountability in order to  
support a vibrant business  
environment and to  
enhance the quality of  
community life.”*



**Start Date: August 2018**

**Anticipated  
End Date: January 2019**

**Location: Modesto Area**

### **Project Background:**

In the late 80s, the City of Modesto converted to Type 170 traffic signal controllers that were designed in the late 1970s. Communication with the Type 170 is very slow compared to the current state-of-the-art 2070 LX traffic signal controller.

On July 5, 2017, City Council approved \$585,000 to replace the obsolete 170 traffic signal controllers with modern 2070 LX traffic signal controllers. The bids for traffic controllers and software were reviewed and McCain 2070 LX traffic signal controllers with OMNI software were selected.

### **Function:**

Traffic signal controllers regulate the flow of traffic for intersection traffic by controlling the indications for motorists and pedestrians crossing the intersection with preset timing controlled by the City's Advanced Traffic Management systems (ATMs) network. The devices are housed in cabinets adjacent to the signal.

### **Benefits:**

The OMNI and Transparency software along with the 2070 LX traffic signal controllers will allow us keep our centralized traffic signal system operational and is compatible with our current ATMs network. The new traffic signal controllers will be attuned with adaptive traffic signal operation and are more compatible with California Department of Transportation (Caltrans), who currently use 2070 traffic signal controllers.

This is the first step in making our traffic signal network ready for future traffic adaptive systems, autonomous vehicles and standardized communications with all other devices.

**Funding:**  
Measure L

