

**CITY OF FORT SMITH SUPPLEMENTAL SPECIFICATION  
TRAFFIC SIGNAL MAST ARM AND POLE WITH FOUNDATION**

**SECTION 812** of the Standard Specifications for Public Works Construction, February 2008 Edition, is hereby amended as follows:

**812.02 MATERIALS**

Item I. shall be deleted and replaced with the following:

- I. Concrete and reinforcement shall comply with the requirements of Section 401 "Concrete General" for Class "AAA" (4000 psi) concrete.

The following item shall be added to this sub-section:

- K. A Vibratory Mitigation Device shall be an anti-galloping panel consisting of a 60"x16"x0.125" sign blank.

**812.03 CONSTRUCTION METHODS**

The last paragraph of this sub-section shall be deleted and replaced with the two following paragraphs:

In addition to these specifications and the City of Fort Smith Standard Drawings, the design and construction of traffic signal mast arms and poles shall meet the AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaries, and Traffic Signals, 4<sup>th</sup> Edition (2001) with 2003 and 2006 interims. Each mast arm and pole shall be rated to withstand a 90 mile per hour wind load per the AASHTO requirements.

In lieu of designing the structure to resist periodic galloping, a vibratory mitigation device may be provided by the pole manufacturer. The vibratory mitigation device shall be mounted near the end of the mast arm with the long axis of the panel collinear with the long axis of the mast arm. The panel shall be mounted at such a height as to provide at least 6" clearance from the top of any signal assembly or sign panel located on the mast arm within the length of the vibratory mitigation device.

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### **812.05 BASIS OF PAYMENT**

The following sentence is added to this sub-section:

Vibratory mitigation devices shall be incidental to the Traffic Signal Mast Arm and Pole with Foundation pay item.