



**SPECIAL PROVISIONS
FOR
TRAFFIC SIGNALIZATION**

**Polk County
NHS-080-3(200)128--11-77**

**Effective Date
November 21, 2017**

THE STANDARD SPECIFICATIONS, SERIES 2015, ARE AMENDED BY THE FOLLOWING MODIFICATIONS AND ADDITIONS. THESE ARE SPECIAL PROVISIONS AND THEY SHALL PREVAIL OVER THOSE PUBLISHED IN THE STANDARD SPECIFICATIONS.

A. GENERAL.

1. This part of the Special Provisions consists of the general requirements necessary when furnishing a traffic monitor camera system, switch (single mode), switch (multi-mode), uninterruptible power supply/BBS, emergency vehicle preemption system, controller, and conflict monitor, in place, and operative as described in the project plans and these specifications.
2. Sections 2525 and 4189 of the Standard Specifications, as modified by these special provisions, shall apply to this project. The installation of the traffic control signals and appurtenances shall be in conformance with the MUTCD, as adopted by the Department per 761 of the Iowa Administrative Code (IAC), Chapter 130.

B. TRAFFIC MONITOR CAMERA SYSTEM.

The traffic monitor camera system shall be a Model Q-6054-E PTZ camera system manufactured by Axis, Inc. and be compatible with City of Urbandale existing equipment.

C. ETHERNET SWITCH – SINGLE MODE.

The single mode communications switch shall be a Model ES8108F Single Mode manufactured by Control, Inc. and be compatible with City of Urbandale existing equipment.

D. ETHERNET SWITCH – MULTI-MODE.

The multi-mode communications switch shall be a Model ES8108F Multi-Mode manufactured by Control, Inc. and be compatible with City of Urbandale existing equipment.

E. UNINTERRUPTIBLE POWER SUPPLY/BBS.

The uninterruptible power supply/BBS system shall be a 22 BBS Side of Cabinet model manufactured by Tesco Control, Inc. and be compatible with City of Urbandale existing equipment.

F. EMERGENCY VEHICLE PREEMPTION SYSTEM.

The emergency vehicle preemption system shall be a GPS Detection System manufactured by Global Technologies, Inc. and be compatible with City of Urbandale existing equipment.

G. CONTROLLER.

The Controller shall be a M50 Series Model manufactured by Siemens, Inc. and be compatible with City of Urbandale existing equipment.

H. CONFLICT MONITOR.

The conflict monitor shall be a Model SSM-12LE-IP manufactured by EDI, Inc. and be compatible with City of Urbandale existing equipment.

I. PUSHBUTTON.

The pushbuttons shall be Navigator models manufactured by Polara, Inc. and be compatible with City of Urbandale existing equipment.

J. CABINET.

The cabinets shall be EL 712 Size P model manufactured by Eagle, Inc. and be compatible with City of Urbandale existing equipment.

K. DETECTOR CARD.

The detector cards shall be LMD602T models manufactured by EDI, Inc. or as necessary per the proposed video detection system and shall be compatible with City of Urbandale existing equipment.