# FULL-ACTUATED CONTROLLER in existing cabinet

Effective: September 26, 1995

Revised: November 1, 2023

**KDOT amended: December 1, 2023**

857.01TS

Description.

This work shall consist of furnishing and installing a(n) "N/A" brand traffic actuated solid state digital controller meeting the requirements of the current District One Traffic Signal Special Provisions 857.02TS FULL-ACTUATED CONTROLLER AND CABINET and 857.02TS RAILROAD, FULL-ACTUATED CONTROLLER AND CABINET. This pay item shall include furnishing and installing the controller complete including malfunction management unit, load switches and flasher relays, and all necessary connections for proper operation.

Materials.

Add the following to Article 857.02 of the Standard Specifications:

“Controllers shall be Econolite Cobalt or Eagle/Yunex M60 unless specified otherwise on the plans or elsewhere on these specifications. Only controllers supplied by one of the District One approved vendors will be allowed. The controller shall be of the most recent approved model and software version supplied by the vendor at the time of the traffic signal TURN-ON, unless specified otherwise on the plans or these specifications. A removable controller data key shall also be provided. Individual load switches shall be provided for each vehicle, pedestrian, and overlap phase. The controller shall prevent phases from being omitted during program changes and after all preemption events and shall inhibit simultaneous display of circular yellow and yellow arrow indications.

For integration into an Advanced Traffic Management System (ATMS) such as Centracs, Tactics, or TransSuite, the controller shall have the latest version of approved NTCIP software installed. For operation prior to integration into an ATMS, the controller shall maintain existing communications.”

Kane County Division of Transportation (KCDOT) Requirements

The following controllers and associated firmware versions are compatible with KCDOT ATMS, TransSuite.

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| Controller Description | Firmware Version |
|  Eagle/Yunex M60 Series (Linux) | 5.4.3 |
|  Econolite Cobalt (ASC/3 Firmware) | 2.67 |
|  Econolite Cobalt (EOS Firmware) | 3.2.21 |

Basis of Payment.

This work will be paid for at the contract unit price each for FULL-ACTUATED CONTROLLER IN EXISTING CABINET.