# LIGHT EMITTING DIODE (LED) SIGNAL HEAD AND OPTICALLY PROGRAMMED LED SIGNAL HEAD *(Kane Co. Supplement)*

Updated: 09/15/2023

This specification is intended to supplement the IDOT special provision 880.01 TS for Kane County Projects. In places of Conflict, this specification shall supersede:

Materials.

Add the following to the third paragraph of Section 1078 of the Standard Specifications:

The LED signal modules shall be replaced or repaired if an LED signal module fails to function as intended due to workmanship or material defects within the first **15 years** from the date of the traffic signal TURN-ON. LED signal modules which exhibit luminous intensities less than the minimum values specified in Table 1 of the ITE Vehicle Traffic Control Signal Heads: Light Emitting Diode (LED) Circular Signal Supplement (June 27, 2005) [VTSCH], or applicable successor ITE specifications, or show signs of entrance of moisture of contaminants within the first **15 years** of the date of traffic signal TURN-ON shall be replaced or repaired. The vendor’s written warranty for the LED signal modules shall be dated, signed by a vendor’s representative and included in the product submittal to the state.

Add the following to Article 880.03 of the Standard Specifications:

Signal Heads are to be vertically aligned unless otherwise approved by the engineer or detailed in the plans. When multiple signal heads are mounted to a mast arm assembly, the red indications (circular red, or red arrow) shall be vertically aligned with one another, from the perspective of approaching traffic for all signal heads on that mast arm assembly to the satisfaction of the engineer. Contractor shall ensure the bottom of any signal head and backplate maintains a minimum 16 foot clearance to the highest point of pavement with no more than 18 foot unless otherwise approved by the engineer.