



Illinois Department of Transportation

2300 South Dirksen Parkway / Springfield, Illinois 62764

BDE PROCEDURE MEMORANDUM

NUMBER: 18-01

SUBJECT: BDE Manual Revision – Chapter 56

DATE: January 12, 2018

Chapter 56 of the *BDE Manual* has been revised to reflect the Department's recent adoption of LED luminaires as the default lighting source used in highway lighting applications. See the *BDE Manual* on-line to view the revisions.

Background

For many years the luminaire used for roadway lighting has been the high intensity discharge (HID) type; and more specifically, luminaires utilizing high-pressure sodium (HPS) lamps. This was due to the characteristics of HPS lamps having excellent luminous efficiency, power usage, and long life. However, luminaires utilizing light emitting diode (LED) technology have become the preferred light source due to long life expectancy, energy efficiency, expected reduction of maintenance, and reduced availability of HPS luminaires. Specific revisions to Chapter 56 are as follows:

Section 56-1.02 - Added several definitions related to LED lighting and removed definitions related to HID lighting.

Figure 56-3.A - Removed the multi-mount luminaire from the drawing.

Section 56-3.05 - Revised to make LEDs the default light source used in the Department's lighting designs.

Figure 56-5.A - Removed high-pressure sodium (HPS) and added LEDs.

Section 56-5.04(f) - Revised to account for the unique characteristics of LED luminaires.

Figure 56-5.I - Removed information related to HPS luminaires.

Section 56-5.06 - Revised from HPS to LED luminaires and revised 'Steel Foundations' to 'Metal Foundations'.

A handwritten signature in black ink, appearing to read 'Priscilla A. Tobias'.

Priscilla A. Tobias, P.E.
Director, Office of Program Development
Assistant Chief Engineer