



Illinois Department of Transportation

2300 South Dirksen Parkway / Springfield, Illinois / 62764

BDE PROCEDURE MEMORANDUM

NUMBER: PM 15-03

SUBJECT: BDE Manual Revision – Chapter 56

DATE: May 15, 2015

Chapter 56 of the BDE Manual has been revised to correct inconsistencies, clarify and update lighting design requirements, and to update definitions and references to include information and lighting terms that were not previously provided. Please see Chapter 56 of the BDE Manual on-line to view the revisions.

Background

The resistance values given in Figure 56-5 have been corrected to match the National Electrical Code. The program used by outside consultants to perform lighting design calculations for the department was previously left to their discretion. Now AGi32 by Lighting Analysts, Inc. is the only software that will be accepted for lighting calculations.

Lighting design requirements are now expressly stated such as; light trespass requirements, temporary lighting requirements, and directional reflectance characteristics using an R3 pavement classification. Definitions have been updated to eliminate repetition, include commonly used lighting terms not previously given and to eliminate terms that are no longer in use. Abbreviations and acronyms have been spelled out where appropriate.

Minor re-wording has been completed throughout for improved clarity. References have been updated to remove electrical detail sheets which are now part of the Highway Standards and to add material from Federal Highways and the Illuminating Engineering Society that was not previously given.

A handwritten signature in blue ink, appearing to read 'Omer M. Osman', written over a horizontal line.

Omer M. Osman
Director of Highways
Chief Engineer

cc: Aaron A. Weatherholt, John Baranzelli
HST-56139