



Illinois Department of Transportation

Memorandum

To: All Regional Engineers
From: Omer M. Osman, P.E. DMO/AAW
Subject: Special Provision for Underpass Luminaire
Date: January 9, 2015

This special provision was developed by the Bureau of Design and Environment to correct an inconsistency between the construction and material requirements for underpass luminaires and to require stainless steel vibration dampeners for suspended underpass luminaries. It also allows aluminum luminaire housings as an alternative to stainless steel and it clarifies the material and construction requirements based on current installation and manufacturing procedures.

It has been revised to correct the material requirements for the luminaire housing. It has also been revised to remove the mounting bracket requirements for the underpass luminaires from the standard specifications.

This special provision should be inserted in contracts requiring underpass luminaires.

The districts should include the BDE Check Sheet marked with the applicable special provisions for the April 24, 2015 and subsequent lettings. The Project Development and Implementation Section will include a copy in the contract.

This special provision will be available on the transfer directory January 9, 2015.

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UNDERPASS LUMINAIRE (BDE)

Effective: August 1, 2014

Revised: April 1, 2015

Revise the first paragraph of Article 821.06 of the Standard Specifications to read:

“821.06 Underpass Installation. When attached directly to a structure, the underpass luminaire shall have stainless steel brackets installed between the luminaire and the structure to create a gap of not less than 1 in. (25 mm).”

Revise the third sentence of the third paragraph of Article 821.06 of the Standard Specifications to read:

“All mounting hardware, including the vibration dampers, shall be stainless steel.”

Revise Article 1067.04(a) of the Standard Specifications to read:

“(a) Housing. The housing and lens frame shall be made of heavy duty die cast aluminum or 16 gauge (1.5 mm) minimum thickness Type 304 stainless steel. All seams in the housing enclosure shall be welded by continuous welds.

The housing shall have an opening for installation of 3/4 in. (19 mm) diameter conduit.”

Revise the third sentence of the first paragraph of Article 1067.04(b) of the Standard Specifications to read:

“The lens frame shall be hinged with a continuous stainless steel piano type hinge for stainless steel housings.”

Delete Article 1067.04(c) of the Standard Specifications.