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| <b>Subject: Vehicle Underpass Lighting</b>                                             |                                                                     |
| <b>Date:</b> October 31, 2001                                                          | <b>Author:</b> Ross Casey, Senior Electrical Standards Technologist |
| <b>Bulletin Number:</b> TE-2001-07<br><b>Bulletin Type:</b> Clarification of Standard. | <b>Effective Date:</b> Immediately.                                 |
| <b>Distribution</b>                                                                    | <b>Standards Affected</b>                                           |
| Electrical and Traffic Engineering Manual<br>Technical Bulletin Distribution List.     | Electrical and Traffic Engineering Manual                           |

**BACKGROUND:**

It has been observed that the roadway beneath short underpasses is being illuminated during daylight hours. IES RP-8 (June/00) states that short underpasses (two to four lane structures) can be adequately lit using standard luminaires on the lower level for night time lighting. It also implies that daytime lighting should be considered for longer underpasses.

**Policy:**

The Electrical designer shall ensure that road surface beneath vehicle underpasses are being illuminated in accordance with IES Standards (See IES document RP – 8, Annex D1.3.)

**Procedure:**

Prior to starting a lighting design, the designer shall determine if an underpass can be defined as a short underpass. If so, daytime lighting is not required and night time lighting is only required if lighting is warranted on the approaches to the underpass. Existing underpass lighting installations shall be removed if the underpasses meet the description of short underpasses. The Ministry Regional Traffic Engineer shall determine if existing underpass lighting is to be removed.

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