



MEMO

July 24, 2017

To: District Engineers

From: Michael A. Chacon, P.E. *M.A. Chacon, P.E.*
Director, Traffic Operations Division

Subject: Revision of Roadway Illumination Details (RID) and Roadway Illumination Poles (RIP) Standard Sheets

The above listed standard sheets have been revised to clarify details and update the format. Revisions to the sheets include:

RID (1)-17

- This sheet replaces RID(LUM1)-07 and RID(LUM2)-07.
- The High Pressure Sodium (HPS) luminaire specification was replaced by reference to DMS-11010, which covers both HPS and Light Emitting Diode (LED).
- General notes for roadway illumination assemblies were consolidated onto this page
- The Typical Wiring Diagram was updated to show double-pole breakaway connectors and removal of the ground rod. The four-wire diagram was removed.

RID (2)-17

- This sheet replaces RID(FND)-11.
- Details of the foundation on sloped grade were modified to meet AASHTO guidelines for breakaway pole bases.
- In note 6, the placement of a pole behind a guard rail was changed from 2 ft. to 2.5 ft. minimum distance from the rail to comply with the TxDOT Roadway Design Manual.
- The Breakaway Pole Placement table was revised to clarify that distances are measured to the face of the transformer base.
- The ground rod was removed from the foundation.

RID (3)-17

- This sheet replaces RID(UP)-14.
- Sheet was updated to show LED underpass.

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- The requirement for a ground rod in ground boxes that feed above-ground conduit was removed (formerly note 3).

RIP (1)-17

- Luminaire mounting height was clarified in Note 7.
- The roadway illumination assembly codes were updated to match new spec book bid codes.
- The shipping parts list was updated to show new codes.

RIP (2)-17

- The hand hole was raised to 42" - 48" for bridge mounted poles to allow easier access to the hand hole behind the traffic barrier. The hand hole for bridge mounted poles is to be on the same side of pole as luminaire arm.
- Pole drawings were updated to show nominal height.
- An explanation was added of how luminaire arms affect pole height.

RIP (3)-17

- Only the format was changed on this sheet.

RIP (4)-17

- The base plate drawings were updated to show nominal pole height.

The standards may be used immediately and shall be used for all applicable PS&E sets beginning with the December 2017 letting.

The new standards RID-17 and RIP-17 are available in MicroStation and PDF formats at the following web address: <http://www.dot.state.tx.us/insdot/orgchart/cmd/cserve/standard/toc.htm>

If you have any questions, please contact Greg Jones at (512) 416-3121 or me at (512) 416-3200.

Attachments

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