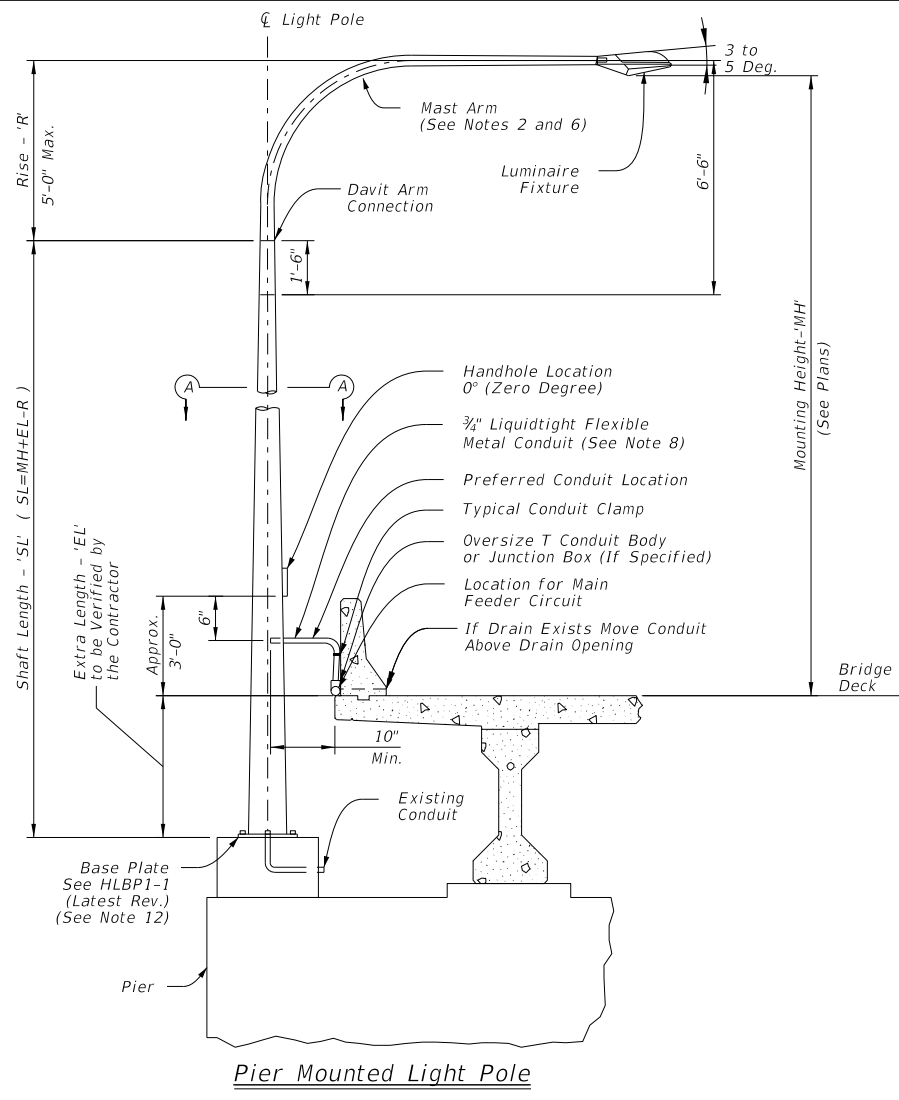


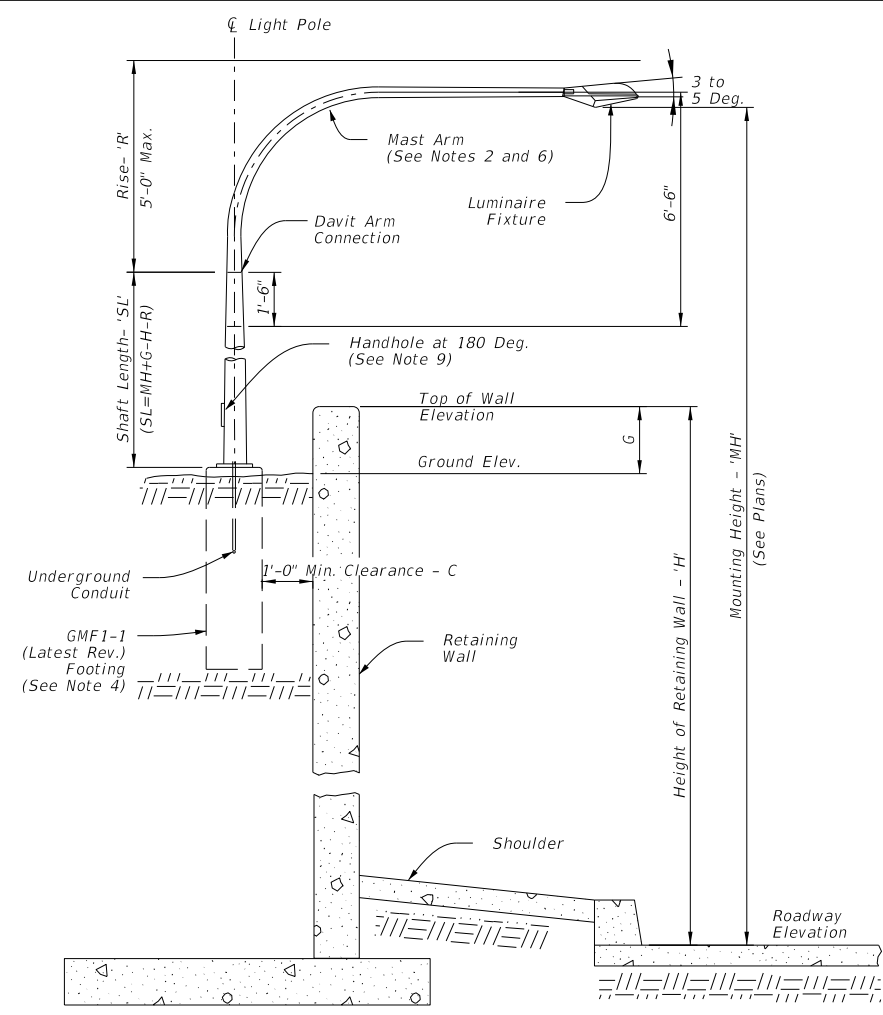
REVISIONS		
REV. NO.	DESCRIPTION	DATE
Rev. Detail		09/05/2018

General Notes:

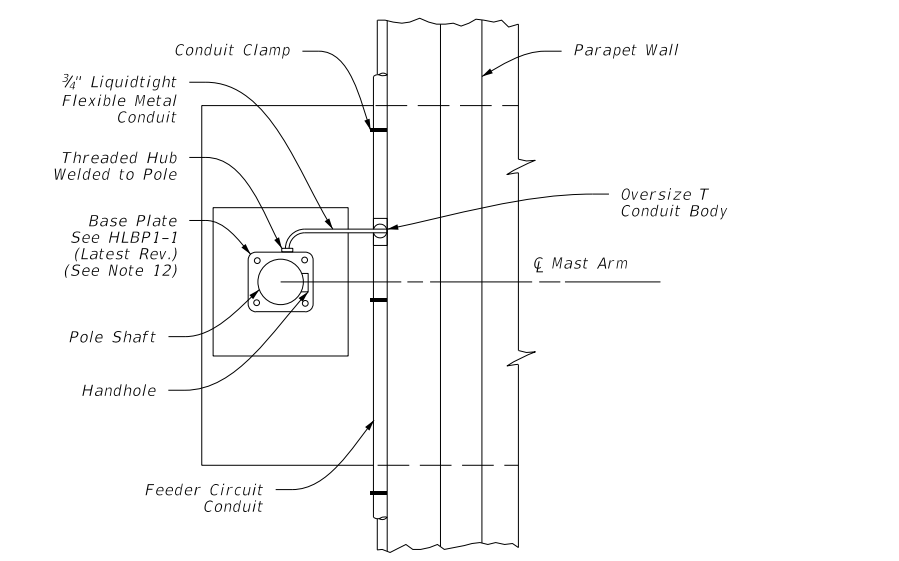
1. Designs conform to 2013 AASHTO Standard Specifications For Structural Supports For Highway Signs, Luminaires, and Traffic Signals and Interim Specifications. Design for 3-second wind gust speed equal to 90 MPH with a 1.14 gust factor. A wind importance factor of 1.00 is applied to adjust the wind speed to a 50 year recurrence interval. See Standard HLPD1-1 (Latest Revision) for design criteria and material specifications.
2. All poles and attachment options shown structurally designed to support up to two 12' luminaire mast arms with luminaire fixture. Design mast arms for a 50-LB luminaire fixture having an effective projected area of 2.0 square feet. See Standards HLMA1-1, HLMA2-1, and HLMA3-1 (Latest Revision for luminaire mast arm design criteria and specifications. Davit arm shown as example, tenon and monotube arms are acceptable.
3. For luminaire pole shaft lengths ('SL') between values shown on Standard HLPD1-1 (Latest Revision), use base diameter and thickness values for the larger pole. For luminaire pole shaft lengths greater than those specified on HLPD1-1 (Latest Revision), submit calculations and show drawings with a registered engineer's stamp for the State of Oklahoma for approval.
4. For additional information on the footing and material specifications, see Standard GMF1-2 (Latest Revision) and the plans.
5. The actual length of the luminaire pole shaft (SL) will vary in order to maintain the required mounting height above the roadway or bridge deck. The dimensions shall be verified by the Contractor.
6. The luminaire mast arms for pier mounted light poles shall be installed perpendicular to the bridge parapet.
7. The mast arm length, mounting height, and other dimensions shall be as shown on the plans.
8. All watertight flexible metal conduit shall have a minimum length of 2 FT, and shall be made longer if necessary.
9. For additional conduit construction details, see Standards CCD1-1 and CCD2-1 (Latest Revision).
10. Due to the potential for a reduced pole shaft bottom diameter, the size of the standard handhole may be reduced but must be sized per AASHTO requirements.
11. This exposed conduit between the feeder circuit and the luminaire pole shall be paid for in other items of work.
12. The Contractor shall verify the dimensions and configuration of all luminaire pole footing anchor bolts, prior to ordering the poles, to ensure that the base plate matches the footing configuration.
13. Electrical conduit or conduit sleeves shall be in accordance with Section 802, "Electrical Conduit."
14. All exposed conduit shall be rigid galvanized steel unless otherwise specified.
15. All conduit clamps shall be galvanized malleable iron.
16. Any poles, clamps, brackets, or any other attachments to bridges shall be performed as in the plans. If not provided in the plans, the system and method shall be provided for approval prior to attaching to the bridge.



Pier Mounted Light Pole



Light Pole Mounted Behind Retaining Wall



Section A-A

Approved By *SLA* Bridge Engineer: _____ Date: **9-14-18**

Approved By *CJE* Traffic Engineer: _____ Date: **9/28/18**

DOT Traffic Standard
Typical Highway Light Pole Details
(Special Shaft Length)

2009 Specifications

HLPD2-1	01
	T-311