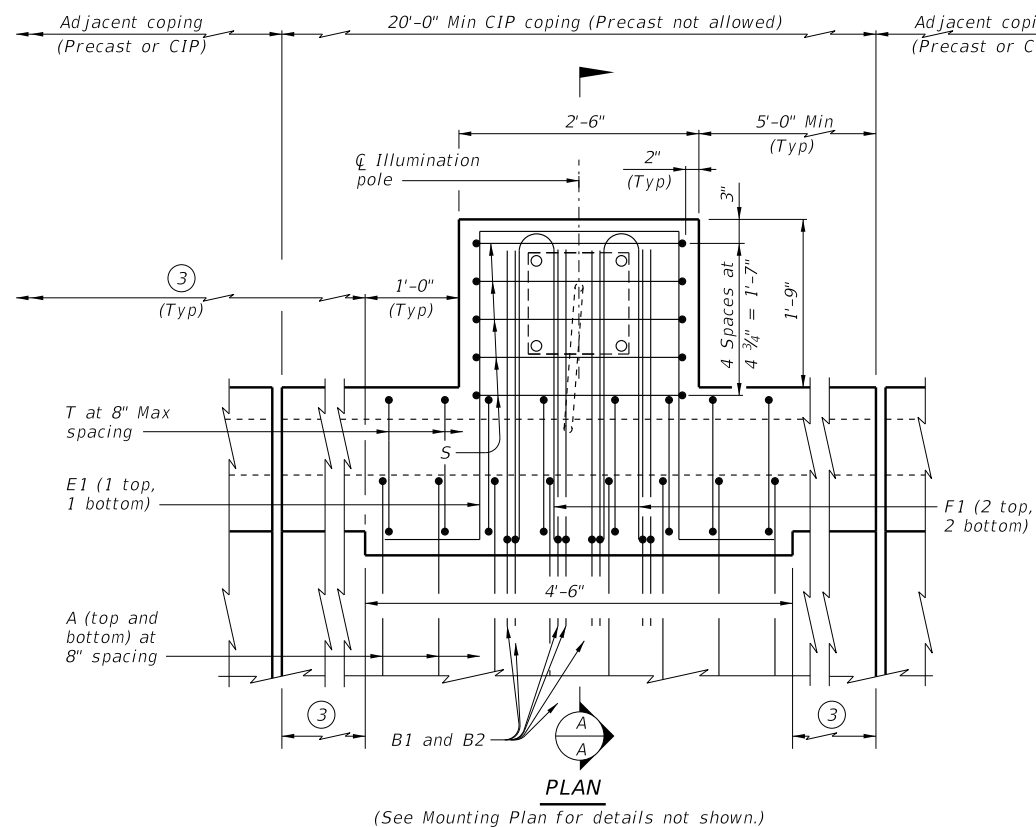


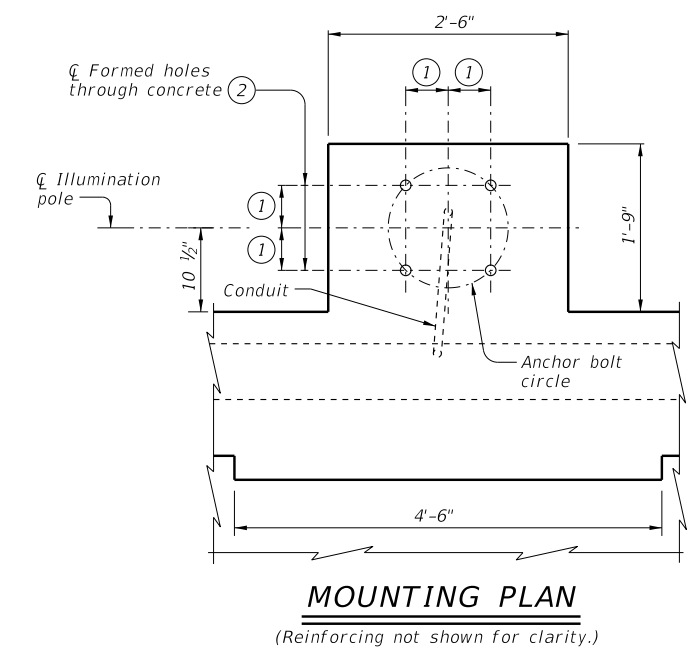
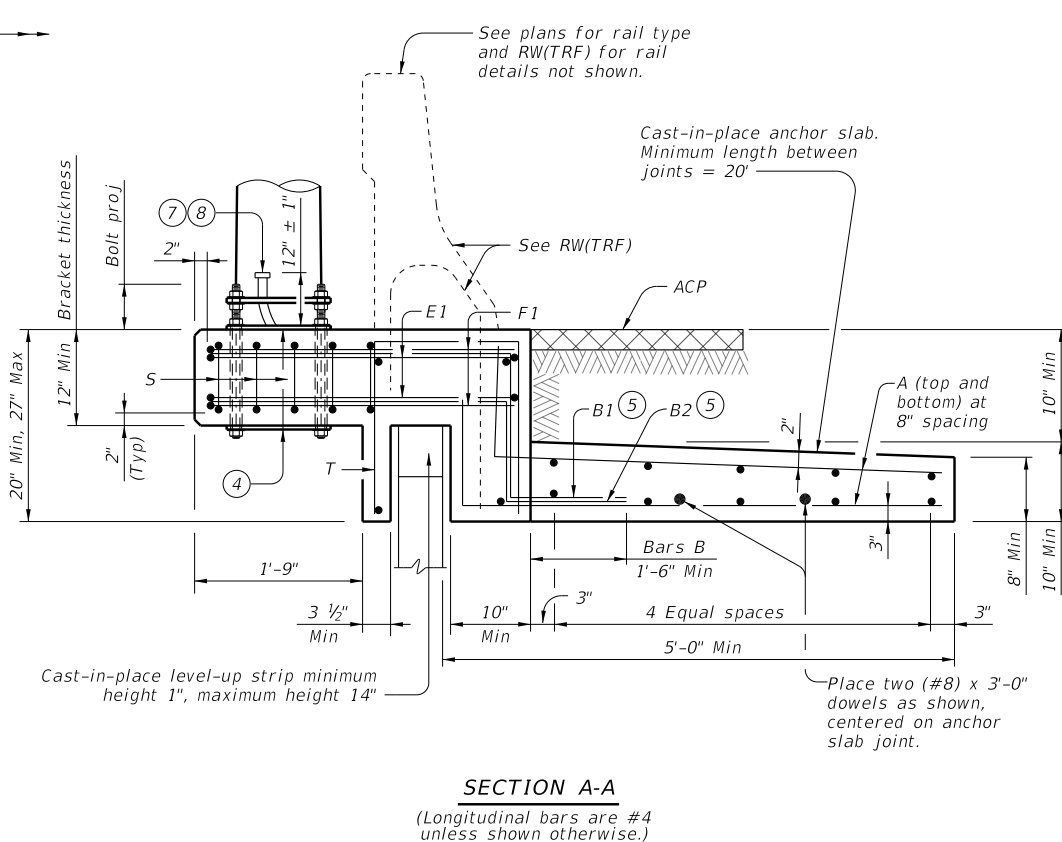
DISCLAIMER: The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by TxDOT for any purpose whatsoever. TxDOT assumes no responsibility for the conversion of this standard to other formats or for incorrect results or damages resulting from its use.

DATE: FILE:



- ① See table for anchor bolt offset dimension.
- ② See table for hole diameter size.
- ③ See RW(TRF) for coping details and reinforcing not shown.
- ④ See Anchor Bolt Assembly, Anchor Bolt Plate, and Table of Anchor Bolt and Anchor Bolt Plate Information.

ADJACENT TO ACP



CAST-IN-PLACE COPINGS:

Provide compressible material to isolate precast panel from cast-in-place (CIP) coping to prevent cracking. Attach compressible material to both sides of precast panel prior to casting concrete for coping.
Provide a smooth level-up strip on top of the precast panels when cast-in-place (CIP) coping is anchored to reinforced concrete pavement. The purpose of the level-up is to allow the pavement and coping to move longitudinally relative to the wall without causing damage.

JOINED CONCRETE PAVEMENT:

When coping is adjacent to and anchored into jointed concrete pavement, align coping joints with pavement joints.

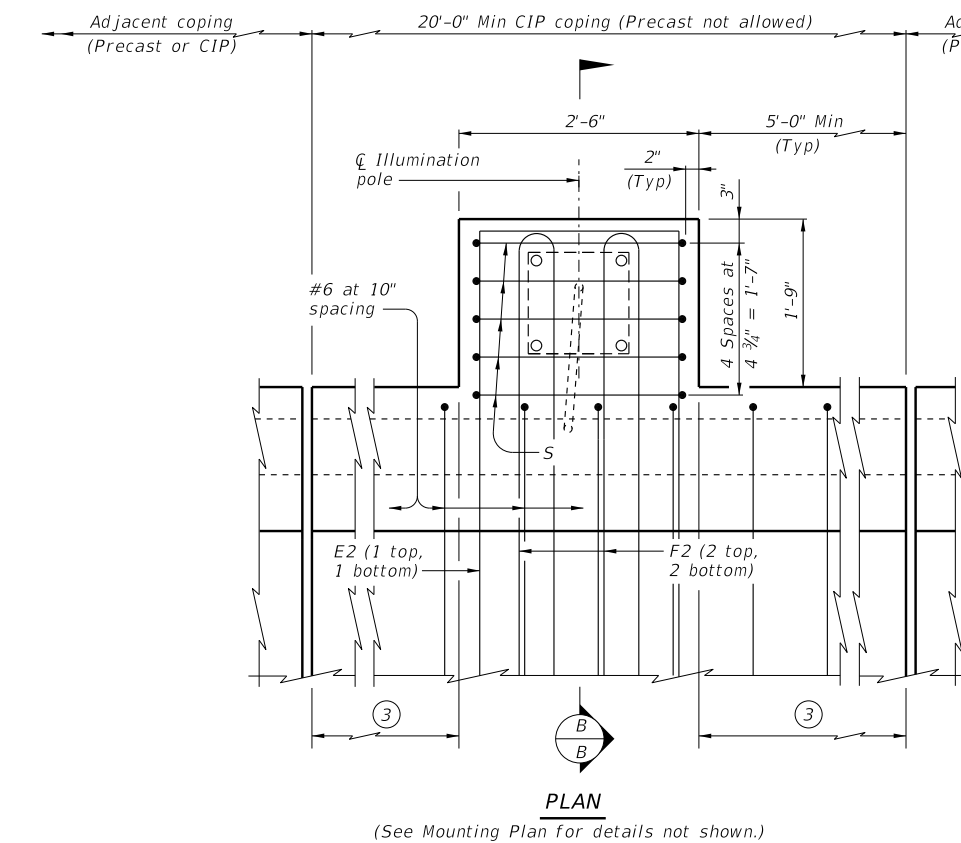
MATERIAL NOTES:

Provide Class C concrete ($f'c=3,600$ psi) for illumination pole bracket and CIP coping. Provide Grade 60 reinforcing steel. Provide #4 longitudinal bars, unless otherwise shown. Galvanize anchor bolts, nuts, washers, and anchor bolt plates. Repair galvanizing damage from tack welding per Item 445, "Galvanizing." Cast illumination pole brackets monolithically with the CIP coping.

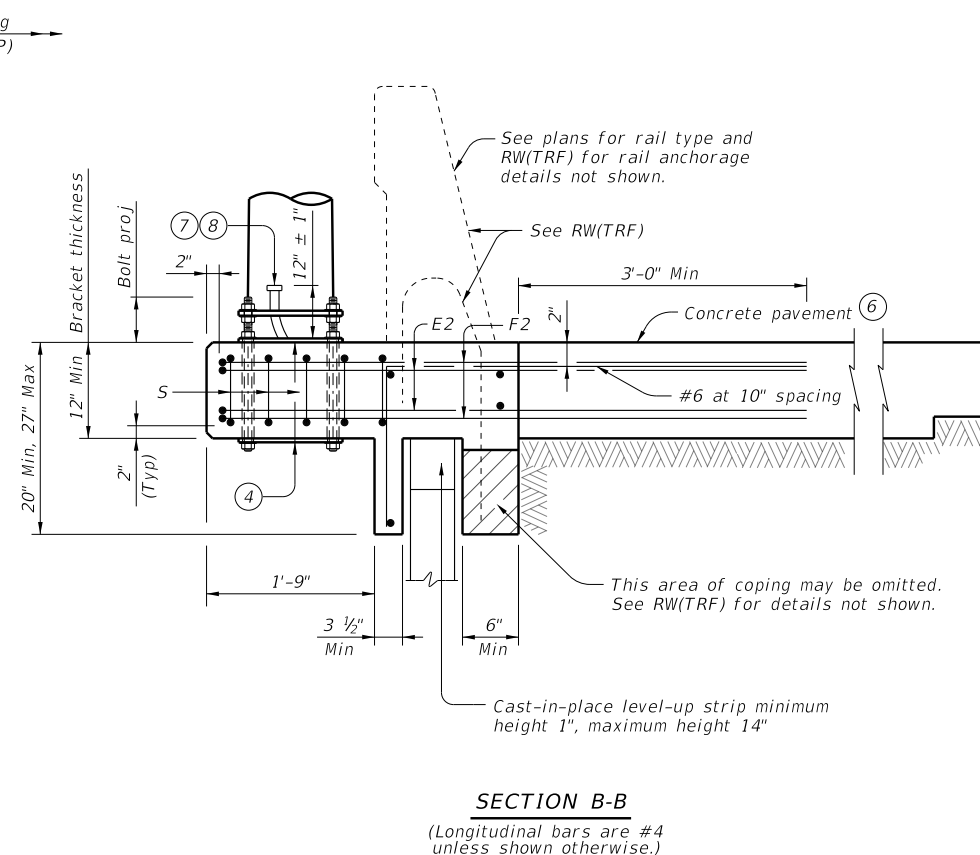
GENERAL NOTES:

Designed for up to 50-foot light pole with one 12-foot arm, 60 lbs. luminaire with 1.6 sq ft. EPA at maximum design wind speed of 110 mph (3 second gusts). A special design is required if luminaire mounting height exceeds 100 feet above average surrounding terrain. The type and size of conduit, anchor bolt circle diameter, and number and location of brackets is shown elsewhere on the plans. Brackets found to conflict with other components of retaining wall may be relocated if necessary and as directed by Engineer. These details must be used in conjunction with the Retaining Wall Traffic Railing Foundations (RW[TRF]) standard to develop specific details for submission with the shop drawings. The steel reinforcement shown is specifically for the area of the illumination pole bracket. Do not place illumination pole until after the coping and pavement have been constructed. See RW(TRF) standard for details and notes not shown. See Roadway Illumination Poles standard for details and notes not shown. The anchor bolts, nuts, washers, and anchor bolt plates are subsidiary to the Item 610, "Roadway Illumination Assemblies." The bracket quantity is considered subsidiary to the Item 423, "Retaining Walls." Coping and anchor slabs is considered subsidiary to Item 423, "Retaining Walls." Calculate traffic railing payment by the linear foot for railing of the appropriate type.

Cover dimensions are clear dimensions, unless noted otherwise. Reinforcing bar dimensions shown are out-to-out of bar.



ADJACENT TO CONCRETE PAVEMENT



SHEET 1 OF 2

		Bridge Division Standard	
LIGHTING BRACKET FOR MSE RETAINING WALL TRAFFIC RAIL FOUNDATION			
RW(LB)			
FILE: RW-LB-22.dgn	DN: TxDOT	CK: TxDOT	DW: TxDOT
©TxDOT June 2022	CONT	SECT	JOB
REVISIONS			
DIST	COUNTY	SHEET NO.	

