

**PCC SHOULDER PANEL LOCATIONS** ②

Price bid for "Bridge End Drain, DR-402" is full compensation for furnishing, installing, and constructing the Bridge End Drain as shown.

- ① Continue 4 inch sloped curb to edge of flume per section B-B. Refer to BR-201, BR-202, BR-203, or BR-204 for details of 4 inch curb.
- ② DI-1 and DI-2 distances measured from center of Bolt Pattern.
- ③ Extend rock flume to toe of backslope. If no backslope exists, extend rock flume a minimum of 4 feet beyond the toe of foreslope.

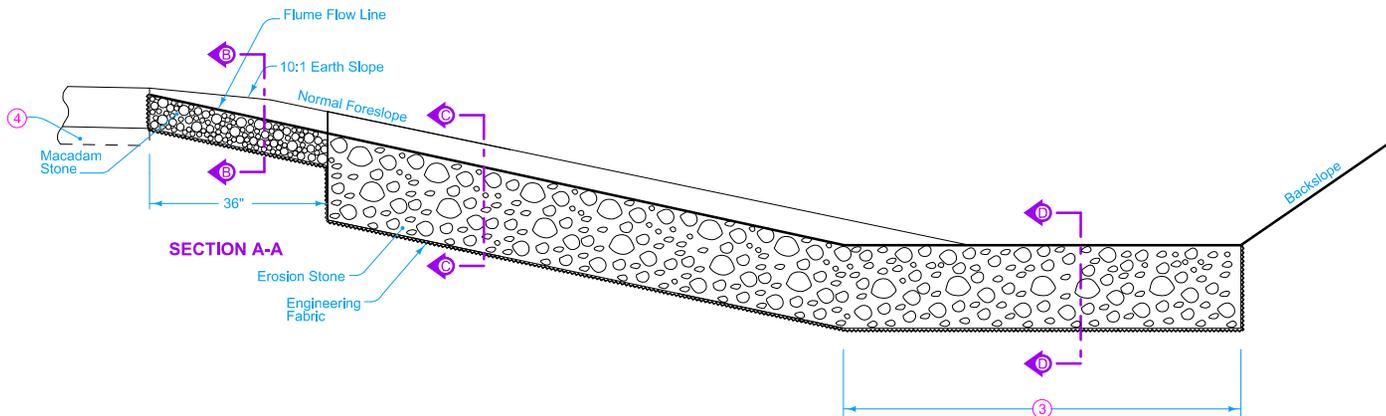
Possible Contract Items:  
 Paved Shoulder, Portland Cement Concrete (Paved Shoulder Panel for Bridge-End Drain)  
 Bridge End Drain, DR-402

Incidental to Paved Shoulder:  
 Modified Subbase  
 Polymer Grid

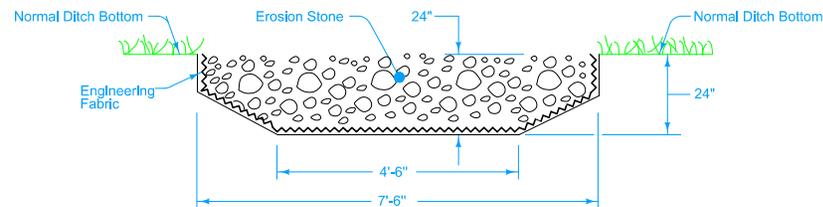
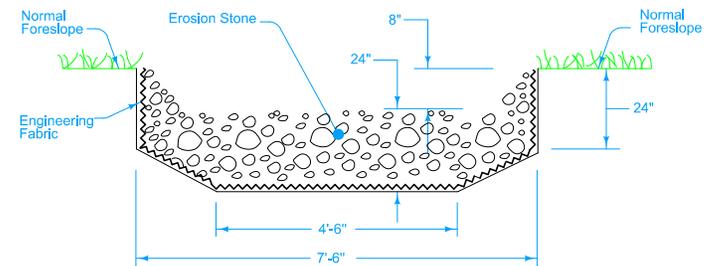
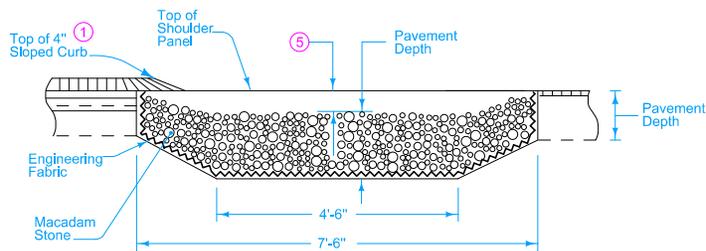
Incidental to Bridge End Drain:  
 Macadam Stone Base Material  
 Erosion Stone  
 Engineering Fabric  
 Excavation, hauling, and disposing of material

Possible Tabulation:  
 104-8A

	REVISION
	3   10-17-17
STANDARD ROAD PLAN	DR-402
SHEET 1 of 2	
REVISIONS: Modified the PLAN view drawing on page 1 to better indicate paved shoulder panel width carries past the flume.	
APPROVED BY DESIGN METHODS ENGINEER	
ROCK FLUME FOR BRIDGE END DRAIN	



- ① Continue 4 inch sloped curb to edge of flume per section B-B. Refer to BR-201, BR-202, BR-203, or BR-204 for details of 4 inch curb.
- ③ Extend flume to toe of backslope. If no backslope exists, extend rock flume a minimum of 4 feet beyond the toe of foreslope.
- ④ Install modified subbase and polymer grid under PCC shoulder panels as shown in Section A-A on BR-201, BR-202, or BR-203, or BR-204.
- ⑤ Transitions from 2 inches at edge of pavement to 8 inches within 3 feet.
- ⑥ Transition the flume flow line depth from 8 inches at the toe of slope to 0 inches with an approximate transition rate of 2 inches per 1 foot horizontal.



<b>IOWA DOT</b>	REVISION	
	3	10-17-17
<b>STANDARD ROAD PLAN</b>		<b>DR-402</b>
		SHEET 2 of 2
<small>REVISIONS: Modified the PLAN view drawing on page 1 to better indicate paved shoulder panel width carries past the flume.</small>		
<i>Brian Smith</i> <small>APPROVED BY DESIGN METHODS ENGINEER</small>		
<b>ROCK FLUME FOR BRIDGE END DRAIN</b>		