



Price bid for the following Contract Items and associated incidental items shall be considered full compensation for furnishing, installing, and constructing the Bridge End Drain as shown.

- ① Paved shoulder panel will be paid for as, "Paved Shoulder, P.C.C. (Panel Bridge-End Drain)".
- ② Modified subbase and polymer grid shall be installed under shoulder panels as shown in Section A-A on RK-20, RK-25, or RK-26.
- ③ TRM flume shall be located 5 feet or more from the nearest transverse pavement joint. Joints are determined by the bridge approach section.
- ④ TRM flume shall extend to low point of ditch.
- ⑤ DI-1 and DI-2 distances measured from center of Bolt Pattern.
- ⑥ Transitions from 2 inches at edge of pavement to 8 inches.
- ⑦ Scourstop panel must make contact with edge of pavement to prevent this panel from being undercut by water. This panel may need to be notched to fit around the guardrail posts to ensure pavement edge contact.

- Possible Contract Items:
 Outlet or Channel Scour Protection (Scourstop)
 Paved Shoulder, P.C.C. (Panel Bridge-End Drain)
 Turf Reinforced Mat (TRM)
- Incidental to Paved Shoulder:
 Modified Subbase
 Polymer Grid
- Incidental to Turf Reinforced Mat (TRM):
 Soil Fill
 Special Ditch Control (Wood Excelsior Mat)
 Watering for Sod, Special Ditch Control, or Slope Protection
- Possible Tabulation:
 TRM-1

 Iowa Department of Transportation STANDARD ROAD PLAN	<small>REVISION</small> 13 10-20-09
	RF-39 <small>SHEET 1 of 1</small>
	<small>REVISIONS: Replaces Sod Flume Details with Turf Reinforced Mat Details.</small>
<i>Deanna McFalls</i> <small>APPROVED BY DESIGN METHODS ENGINEER</small>	
SCOUR PROTECTION FOR BRIDGE END DRAIN	