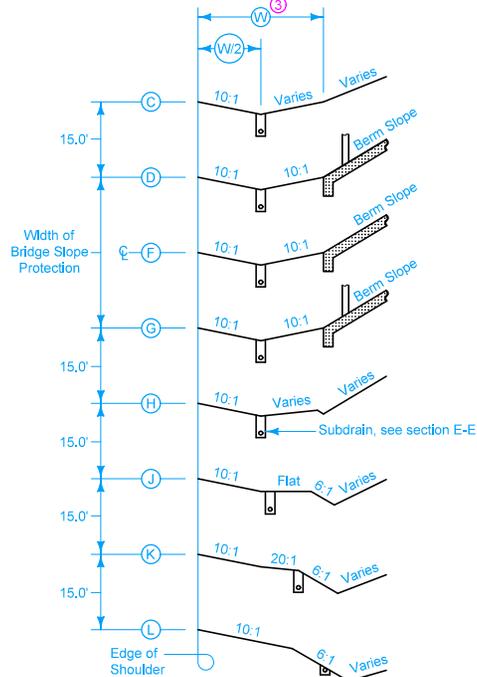
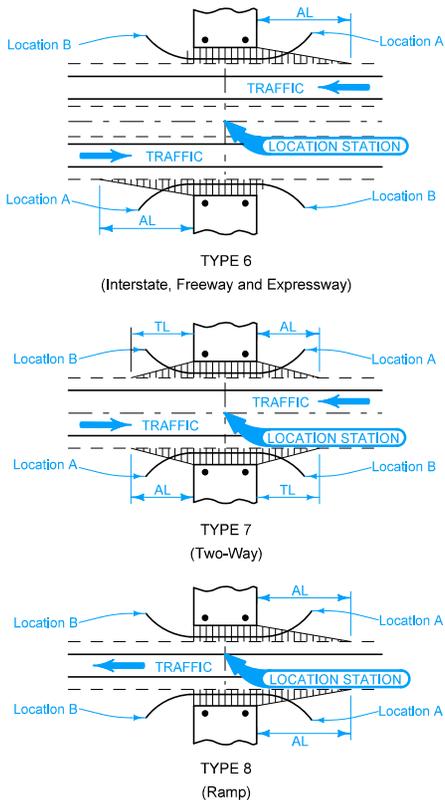
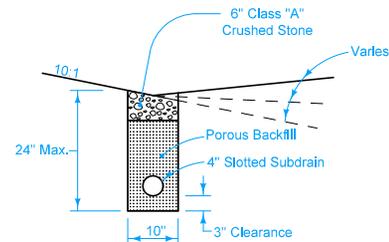


SITUATION PLAN



TYPICAL SECTIONS



SECTION E-E

Earthwork for construction of the grading at side piers has been included in the tabulation of earthwork quantities. Drainage structure requirements in conjunction with the grading at side piers have also tabulated elsewhere in the plans.

When a subdrain installation does not have a subdrain outlet on the end, cap that end with methods approved by the Engineer. Outlet Location A and B are indicated on the Tabulation of Subdrain and Grading at Side Piers.

- ① AL or TL is the length measured from the edge of the bridge slope protection to a point on the shoulder edge.
- ② See typical section on Standard Road Plan RF-19E.
- ③ W is the length measured from the shoulder edge to the toe of the berm in the area of bridge slope protection.

Possible Contract items:
Longitudinal Subdrain (Shoulder), 4-inch Subdrain Outlet (RF-19E)

Possible Tabulation:
104-12

<p>Iowa Department of Transportation</p> <p>STANDARD ROAD PLAN</p> <p>REVISIONS: New. Replaces RL-13.</p>	<p>REVISION</p> <p>NEW 10-15-13</p>
	<p>EW-211</p> <p>SHEET 1 of 1</p>
<p><i>Brian Smith</i></p> <p>APPROVED BY DESIGN METHODS ENGINEER</p>	
<p>SPECIAL GRADING AT SIDE PIERS</p>	