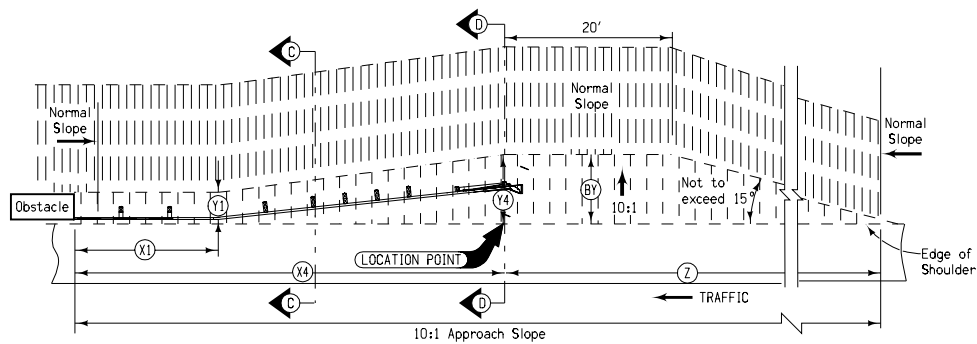


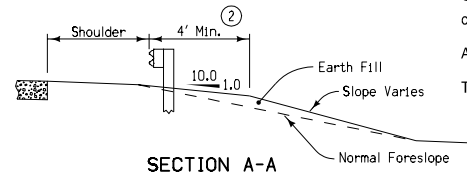
TYPE 1 - PLAN

Guardrail may or may not attach to face of obstacle

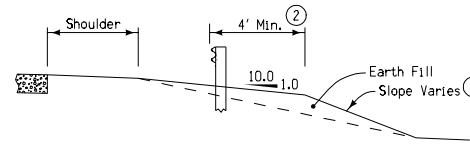


TYPE 2 - PLAN

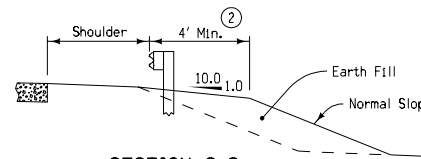
Guardrail may or may not attach to face of obstacle



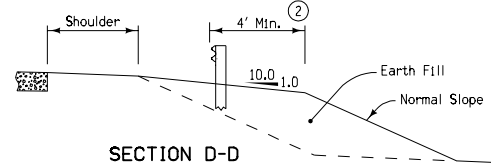
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

Construction of earth fill shall be in conformance with requirements for construction of embankments.

Applies to median obstacles shielded with steel beam guardrail.

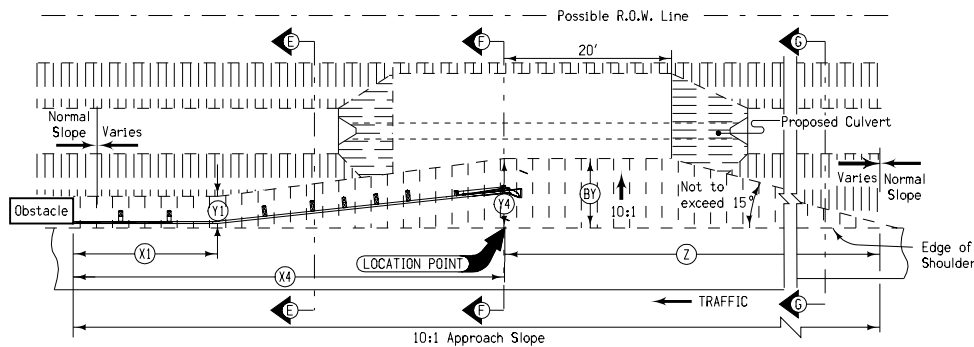
Tabulation: 107-23

- ① Slope to be as flat as conditions allow. When possible, this slope should be the same as the normal foreslope. In no case shall it be steeper than 3:1.
- ② From face of guardrail to toe of 10:1 slope.
- X Measured from face of obstacle.
- Y Distance from edge of shoulder to toe of 10:1 slope.

BY feet	Z feet
8	50
9	54
10	57
11	61
12	65
13	69
14	72
15	76
16	80
17	83
18	87
19	91
20	95

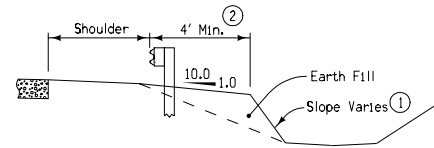
	REVISION NEW 10-17-06	
	RL-14A	
STANDARD ROAD PLAN		
SHEET 1 of 2		
REVISIONS: Replaces paren-number standards with one multi-page standard.		
<i>Deanna Masfild</i> APPROVED BY DESIGN METHODS ENGINEER		

GUARDRAIL GRADING

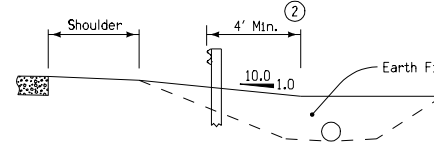


TYPE 3 - PLAN

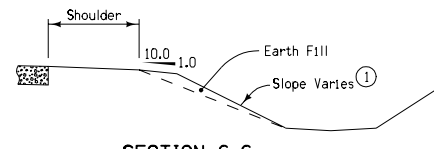
Guardrail may or may not attach to face of obstacle



SECTION E-E



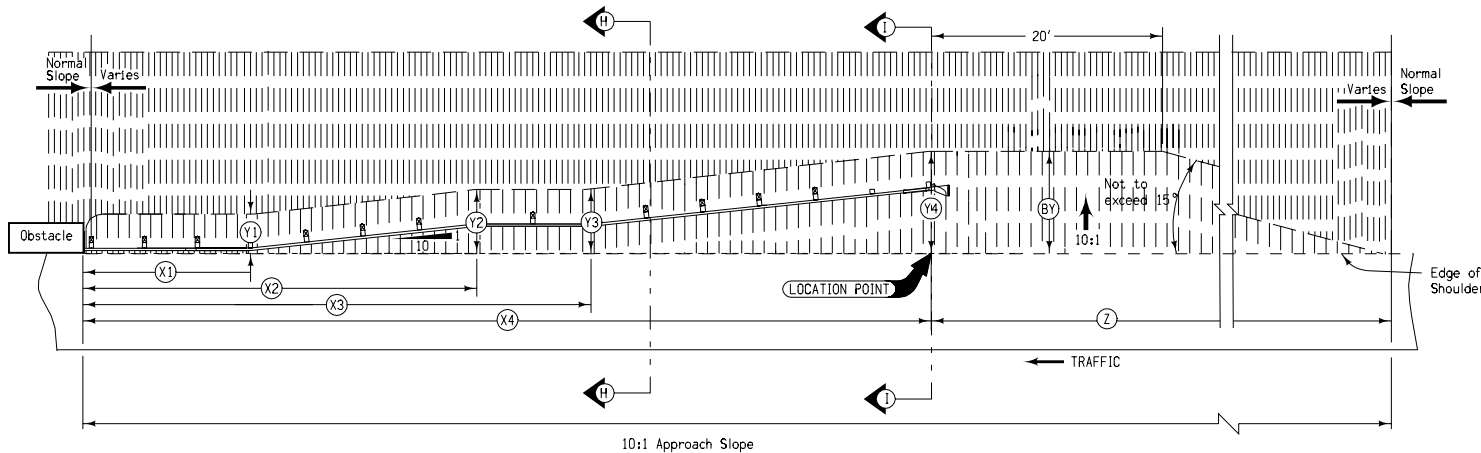
SECTION F-F



SECTION G-G

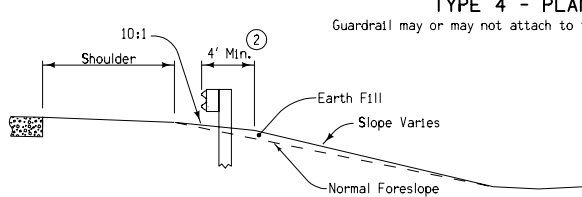
- ① Slope to be as flat as conditions allow. When possible, this slope should be the same as the normal foreslope. In no case shall it be steeper than 3:1.
- ② From face of guardrail to toe of 10:1 slope.
- X Measured from face of obstacle.
- Y Distance from edge of shoulder to toe of 10:1 slope.

Ⓚ feet	Ⓛ feet
8	50
9	54
10	57
11	61
12	65
13	69
14	72
15	76
16	80
17	83
18	87
19	91
20	95

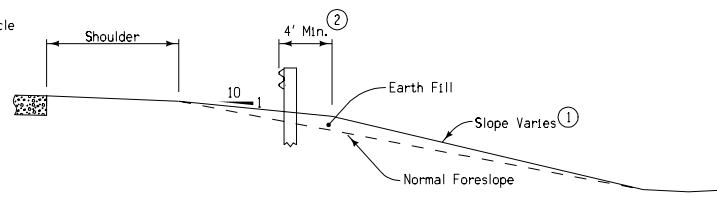


TYPE 4 - PLAN

Guardrail may or may not attach to face of obstacle



SECTIONS H-H



SECTIONS I-I

<p>Iowa Department of Transportation</p> <p>STANDARD ROAD PLAN</p> <p>REVISIONS: Replaces paren-number standards with one multi-page standard.</p> <p><i>Deanna Masfild</i> APPROVED BY DESIGN METHODS ENGINEER</p>	<p>REVISION</p> <p>NEW 10-17-06</p>
	<p>RL-14A</p> <p>SHEET 2 of 2</p>
	<p>GUARDRAIL GRADING</p>