



Standard W-beam guardrail
(6'-0 length post over structures
may be used) where
 $4'-11\frac{1}{4} < \text{cover} < 5'-1$

NOTES:

- Grading requirements shown are for 5'-6 or larger structures, and three-sided structures on project constructed on new alignment for design speed of 70 mph rural divided highway.
- Grading shown above is applicable for 25'-0 span nested guardrail also.
- Grading requirements for 5'-6 or larger structures and three sided structures constructed on existing alignments at all design speeds are shown in standard Drawings E 601-GRET 06 through 09.

INDIANA DEPARTMENT OF TRANSPORTATION	
GRADING REQUIREMENTS FOR LARGE DRAINAGE STRUCTURE	
SEPTEMBER 2001	
STANDARD DRAWING NO. E 601-GRET-12	
	/s/ Richard L. VanCleave DESIGN STANDARDS ENGINEER DATE 9-04-01
	/s/ Firooz Zandi CHIEF HIGHWAY ENGINEER DATE 9-04-01