NOTES:

2. For two-lane two-way operation, use GREIT type OS. For structure width > 24'-3", provide three additional spans of standard W-beam guardrail at 6'-3" each before attaching the GREIT.


5. See Standard Drawings E 601-NWGA-02, 03 and 04 for post and block assemblies details.

6. Maximum structure width shall be 24'-3" out to out of structure(s) parallel to road centerline for skewed or perpendicular structure. In this case posts are not located over portion of structure.

7. Maximum structure width shall be 61'-0" out to out of structure(s) parallel to roadway centerline for skewed or perpendicular structure. Modified posts (5 through 10) over the structure where required, see Standard Drawing E 601-NWGA-03. The remaining wood posts shall be shown on Standard Drawing E 601-NWGA-02.

8. Post shall clear outer structure side by 4" min.

9. This dimension is 25'-0" between posts 7 and 8. The dimension is 12'-6" or 25'-0" elsewhere.

10. For grading requirements see Standard Drawings E 601-GRET-06 through 09 and E 601-GRET-12.

INDIANA DEPARTMENT OF TRANSPORTATION
25'-0" SPAN NESTED GUARDRAIL FOR LARGE DRAINAGE STRUCTURE
SEPTEMBER 2010
STANDARD DRAWING NO. E 601-NWGA-01

RICHARD L. VANDERLAGE DATE 09/01/10
DESIGN STANDARDS ENGINEER

MARK A. MILLER DATE 09/01/10
CHIEF HIGHWAY ENGINEER
NESTED GUARDRAIL ASSEMBLY
(Post 5 to 10)

6" X 8" X 1-2 blockouts
16d nails
3 3/4" dia. hole (typ)

8" X 8" CRT wood post

2 nested W-beam elements

5/8" @ button head guardrail bolt with heavy hex nut recessed both sides, L=2-1, thread length T (min.) = 4"

Ground line

6" X 8" X 1-2 blockouts

5/8" @ button head guardrail bolt with heavy hex nut recessed both sides, L=10", thread length T (min.) = 4"

Ground line

W 8 X 9 steel post

STEEL POST AND BLOCK FOR USE WITH
NESTED GUARDRAIL ASSEMBLY
(Post 1 to 4 and 11 to 14)
NESTED W-BEAM GUARDRAIL ASSY. WITH MODIFIED POSTS OVER STRUCTURE WIDTH (POSTS 5 TO 10)
GUARDRAIL ASSEMBLY FOR COVER ≥ 4'-1 1/4"
FOR ANY STRUCTURE WIDTH

NOTES:
1. This drawing shall be used for any structure width provided cover over structure ≥ 4'-1 1/4'.
2. The 6'-0" length guardrail post shall be used if 4'-1 1/4" ≤ cover ≤ 5'-1 1/4".
3. The 7'-0" long guardrail post shall be used if cover > 5'-1 1/4".
4. 3'-7 1/4" for 6'-0" length post and 4'-7 1/4" for 7'-0" length post.
5. A = 2'-6" for 6'-0" length post.
   A = 0 (min.) for 7'-0" length post.

INDIANA DEPARTMENT OF TRANSPORTATION
GUARDRAIL ASSEMBLY FOR ANY STRUCTURE WIDTH
SEPTEMBER 2011
STANDARD DRAWING NO. E 601-NWGA-04

/s/ Richard L. VanCleave 09/01/11
DESIGN STANDARDS ENGINEER DATE

/s/ Mark A. Miller 09/01/11
CHIEF HIGHWAY ENGINEER DATE