

## RESPONSE TO COMMENTS

Jennifer Taylor / Jim Richards

We have a concern in D5 that we somehow have a plan or a pay item when the pavement is thicker than the 2" and it is not possible or acceptable to drive through the pavement and removal and backfill are necessary

Response: No change.

### KEN HOLLAND

**GUARDRAIL-SETTING POSTS.**  
(REV 2-25-05)

ARTICLE 536-3 (Page 609) is deleted and the following substituted:

**536-3 Setting Posts.**

Set standard length posts vertically to the depth shown in the Design Standards. Set special length posts vertically to the depth shown in the plans. Align and realign posts as necessary, until final acceptance. Where the posts are not set in concrete, or mounted on structures, backfill the post holes with suitable thoroughly tamped material. As an alternate method, the Contractor may use a post-driving machine, meeting the approval of the Engineer and capable of driving the posts without damaging them. For guardrail post replacement, backfill and compact the existing hole prior to setting the new post.

**TIMBER**

If driving wood posts, the Contractor may either block out holes in the asphalt for the posts during the asphalt paving operation or cut holes through the asphalt mat prior to the post installation. Either block-out or cut holes through the asphalt an area that is at least 50% larger than the area of the post being driven. After completing driving of the posts, patch the area of asphalt around each post with fresh hot bituminous mixture.

If driving steel posts, drive the post directly through the asphalt mat. Fill depressions or cracks in a manner meeting the approval of the Engineer with fresh, hot bituminous mixture.

For either wooden or steel post locations, in which rock, concrete or asphalt thicker than 2 inches [50 mm] exist, remove such material and backfill with suitable material, thoroughly tamped, as detailed in the Design Standards.

**1** NECESSARY TO ACHIEVE THE PROPER MOUNTING HEIGHT (DESIGN STDS DONT SHOW DEPTHS)

**2** ENCASED

**3**

**4** Blocked out holes or cut holes in the asphalt pavement shall be at least 50% larger than the sectional area of the timber post.

**5** HOW MUCH? 50% MORE THAN THE AREA OF THE POST? WHERE IS THIS DETAILED? SUITABLE MATERIAL?

**6**

Deleted:	through asphalt pavement
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Comment:	Deleted this statement because this paragraph is talking about driven wooden posts so compaction of backfill material is not relevant.
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### RESPONSE:

- 1 – The Design Standard index 400 sheet 15 of 31 shows the depth required for various guardrail locations. **No change required.**
- 2 - No change required.
- 3 - Make change as shown above.
- 4 - Make change as shown above.
- 5 - Make change as shown above.
- 6 - Make change as shown above.