

## **Update in Road Design Manual Chapter 7 – Cross Sections**

**Table 7-1. Lane / Shoulder Width and Surfacing Standards<sup>1</sup> for Construction, Reconstruction and Shoulder Widening Projects on Rural State Highways – page 7-5**

- Eliminated row for ADT < 400, therefore provide 6' shoulders for ADTs  $\leq 1499$
- 1<sup>st</sup> bullet addresses the comment regarding providing wider surfaced shoulder when 8' subgrade shoulder is provided on shoulder widening projects for constructability. The surfaced shoulder width will be based on ADTs (6' or 8')
- 1<sup>st</sup> bullet eliminates 32' bridge width, therefore the minimum bridge width is now 36'
- 1<sup>st</sup> bullet eliminates need for separate columns for "Ultimate..." and "Surfaced..." shoulder widths
- For ADT  $\geq 1500$ , change shoulder type from Minimum 2" AC to Minimum 3" AC
- Revised Pads for Intersecting Roads and Entrances from Minimum 2" AC to Minimum 3" AC

**Table 7-2 Lane & Shoulder Width for 3R Projects (Non-Interstate NHS) page 7-6**

- Changed <551 ADT to <399 ADT
- Combined 551-1500 ADT and 1501-2500 ADT and made <339-2500 ADT

**Table 7-3. Lane & Shoulder Width for 3R Projects (Other than NHS) page 7-6**

- Changed <551 ADT to  $\leq 1499$  ADT
- Removed 551-1500 ADT
- Changed >1500 ADT to  $\geq 1500$  ADT

**Table 7-9. Inslopes for Construction/Reconstruction Projects – page 7-21**

- Added footnote 2 to allow flexibility when "needed" during scope & design.

**Ditch Bottom– page 7-22**

- Updated ditch guidance based on change from 4:1 to 6:1 ditch inslope.
- Added guidance on when to use Standard and Sloped Ditches.

**Figure 7-3. Typical Ditch Bottoms and Slope Criteria – page 7-24**

- Changed 4:1 inslope to 4:1 (6:1) inslope for standard and sloped ditches.
- Changed inslope width from 14' to 14' (21') for standard and sloped ditches.

**Figure 7-4. Typical Medians – page 7-28**

- Added Typical Sections for the minimum ditch for Depressed Median with a 6:1 inslope and a 4:1 inslope.