

2_3 ADJUST SHELF WIDTH FOR GRADED SHOULDERS SECTION

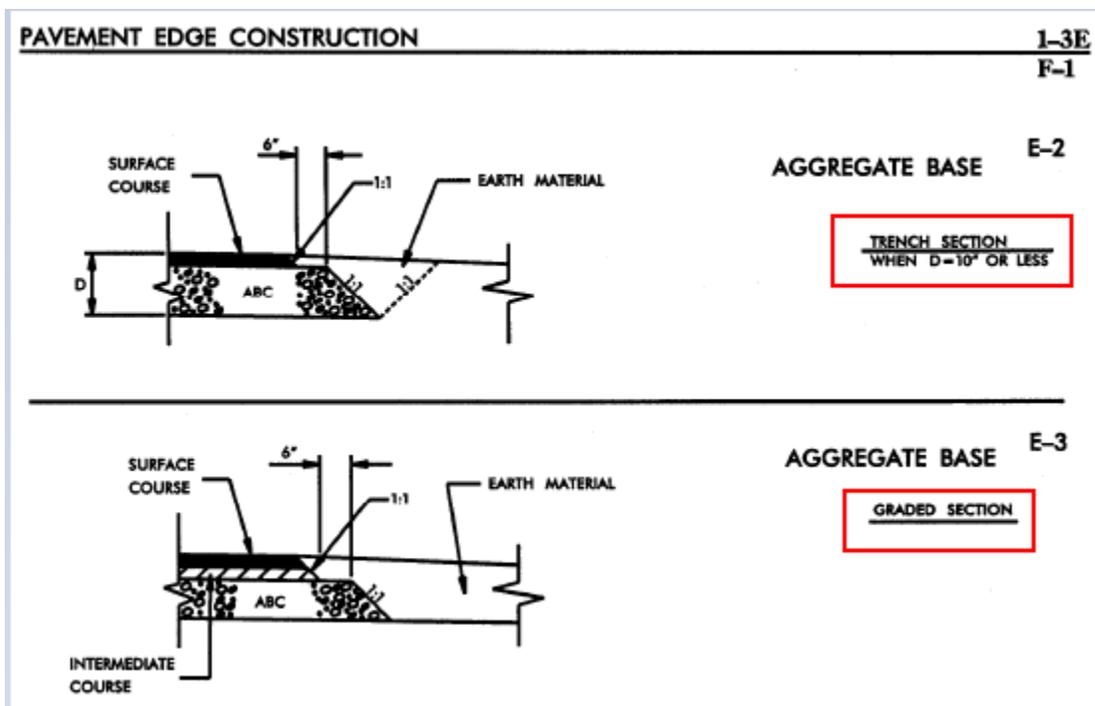
Question:

How do I change the shelf width if my pavement design calls for an asphalt base?

Answer:

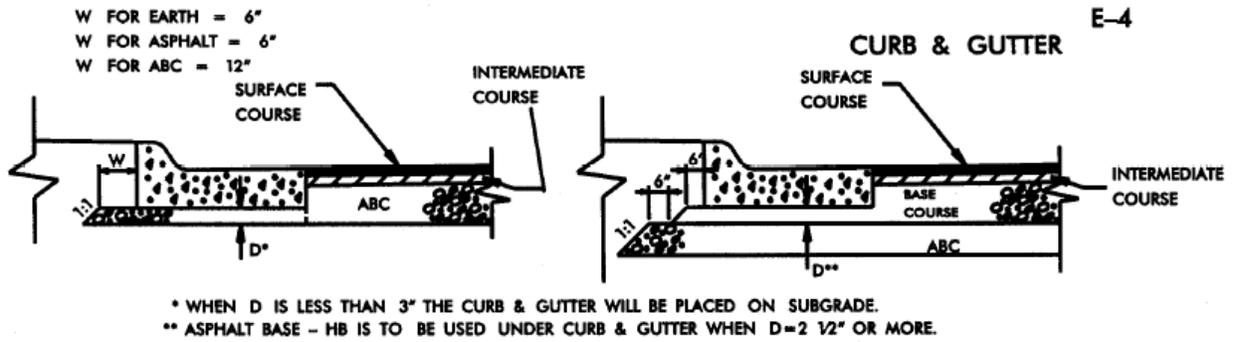
Corridor Modeling templates base its pavement design using the Roadway Design Manual, Part I, 1-3E, "Pavement Edge Construction" and Chpt. 1-4F "Paved Shoulders with Flexible Pavement".

By default, ABC with a 6" shelf is assumed.



Use the Parametric Constraint label "SH_C3 Shelf Width Out" to change the shelf width. The default is 0.5' (6") for ABC. Change this value to 0.01' for asphalt base. The program needs this minute distance to form an angle between two points.

Note, the templates have built-in controls for 3 and 4-pavement layer designs for C&G sections. Along with the ability to change the shelf width for just ABC or both ABC and asphalt base in the pavement design, the depth underneath the C&G can be zeroed out (C&G sits on subgrade/earth when $D < 3"$ ABC or $D < 2.5"$ Asphalt Base).



These additional parametric constraints are available for these type of templates:

- CG_C1 Depth
- CG_C1 Shelf Width
- CG_C2 Depth
- CG_C2 Shelf Width

Please note the Plans Review Section is checking for this to make sure our automated pavement quantities are computed accurately