



LEGEND

T = TOTAL THICKNESS OF THE PAVEMENT STRUCTURE FROM TOP OF PAVEMENT TO TOP OF SUBGRADE.

Tm = MAXIMUM THICKNESS OF T WHICH WILL ALLOW A 50:1 OR STEEPER SLOPE BETWEEN THE HINGE POINT AND THE POINT OF SLOPE SELECTION.

Tm FOR 8' Z SLOPE @4:1= 25.58 inches

Tm FOR 6' Z SLOPE @4:1= 19.06 inches

Tm FOR 4' Z SLOPE @4:1= 13.54 inches

Tm FOR 8' Z SLOPE @6:1= 17.08 inches

Tm FOR 6' Z SLOPE @6:1= 13.56 inches

Tm FOR 4' Z SLOPE @6:1= 10.04 inches

FOR T GREATER THAN Tm, DIMENSION Z MUST BE INCREASED TO THE DISTANCE AT WHICH A 50:1 SLOPE FROM THE HINGE POINT INTERSECTS THE 6:1 SLOPE FROM THE SHOULDER.

 $\mathsf{H} =$ the vertical distance from the top surface of THE EDGE OF OIL TO THE TOE OF SLOPE.

e = maximum superelevation as required.

SUBGRADE Z SLOPE 50:1 OR STEEPER. (2%)

= MINIMUM 4" TOPSOIL OR SPECIFIED ALTERNATIVE.

R = MAY INCLUDE BASE, SUBBASE, OR TREATED BASE.

 \blacktriangledown = SEE TABLE 4-2 FOR FILL SLOPE STANDARDS

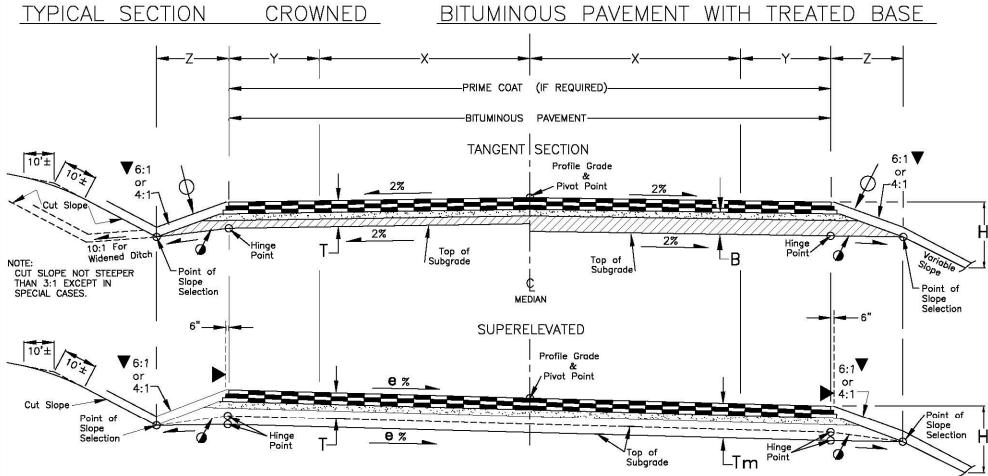
= SHOULDER EXTENSIONS FOR SUPERELEVATED SECTION ARE APPROXIMATELY LEVEL.

= APPROPRIATE SECTION DETERMINED BY FUNCTIONAL CLASSIFICATION, DESIGN TRAFFIC VOLUMES AND DESIGN SPEED. SEE SECTION 100.

HOT MIX ASPHALT

= BASE COURSE

= SUBBASE



FORMULA FOR SUBGRADE Z SLOPE

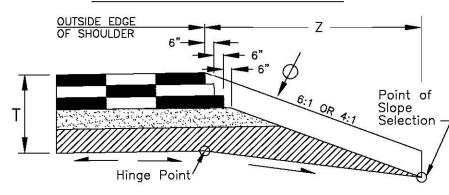
SUBGRADE Z SLOPE (ft/FT.) =

$$(6")(.020 \text{ ft/FT.})+(Z \text{ WIDTH} - 6")(\frac{1}{Z \text{ SLOPE}})+ 4" - T$$

Z WIDTH

(NOTE: ALL DIMENSIONS FOR FORMULA ARE IN INCHES)

EDGE OF PAVEMENT DETAIL



* DIMENSION TABLE

SECTION TYPE	Х	Y	Z
	FEET		
В	12	10	8
В	12	8	8
С	12	6	8
С	11	6	6
D	11	4	6
D	10	4	4

NOTES

- 1. PAVEMENT THICKNESS DETERMINED BY PAVEMENT DESIGN; SEE CDOT PAVEMENT DESIGN MANUAL.
- 2. ALL SECTIONS SHOWN ARE SUBJECT TO MODIFICATIONS DEPENDING ON REQUIREMENTS FOR EACH PROJECT.
- 3. ALL THICKNESSES OF SUBBASE, BASE COURSE AND SURFACE COURSE ARE TO BE SHOWN ON PLANS AS APPROXIMATE.
- 4. DETAILS OF SPEED CHANGE LANES WILL BE SHOWN ON PLANS.
- 5. SEE STANDARD PLANS FOR DETAILS OF CUT SLOPE TREATMENT, FLARING AND WIDENING.
- 6. SEE TABLE 4-2 FOR FILL SLOPE STANDARDS.
- 7. INCLUDE APPROPRIATE TYPICAL SECTION GENERAL NOTES.