

FIGURE 4-1

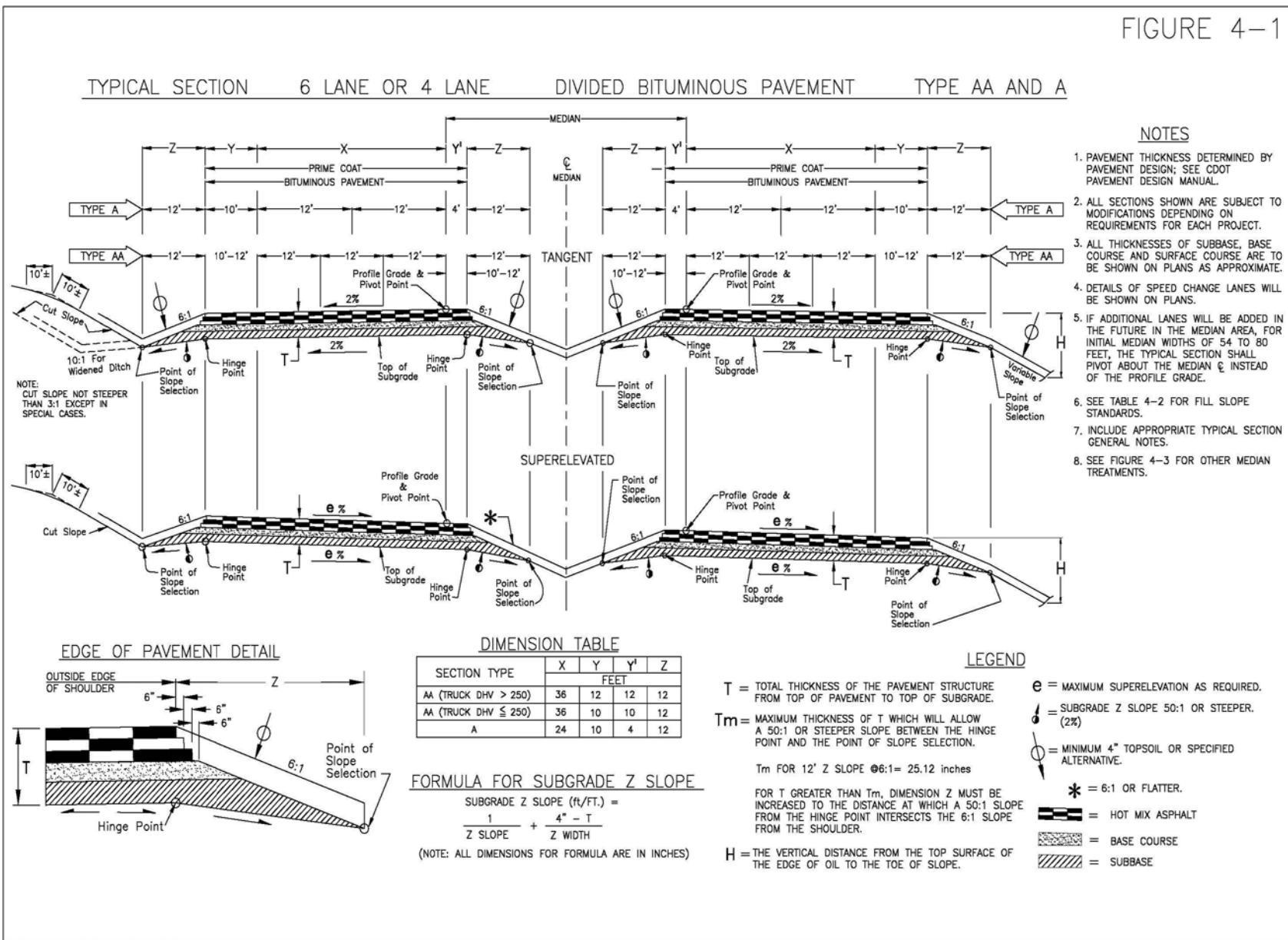
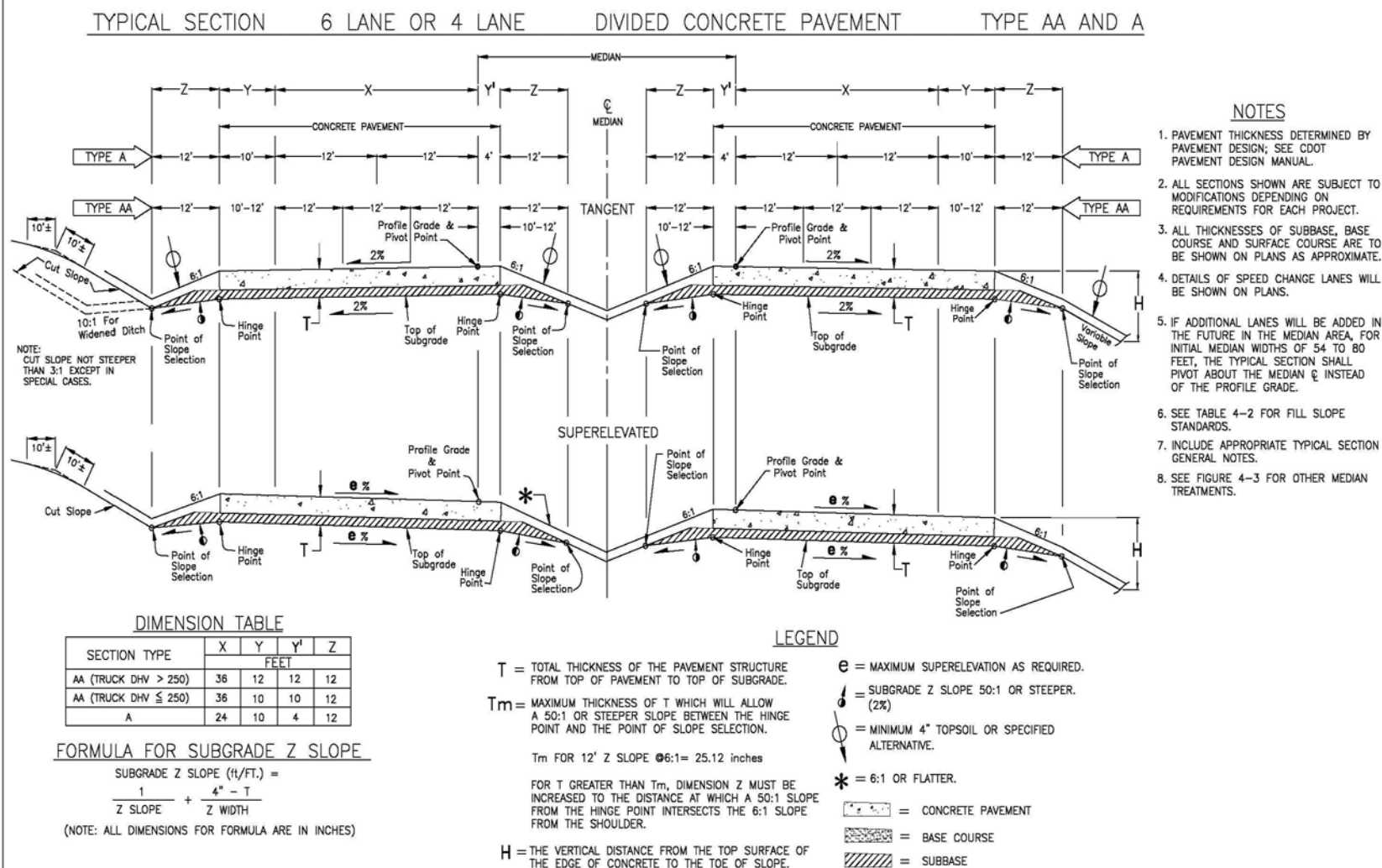


Figure 4-1 Typical Sections for Divided Bituminous Pavement

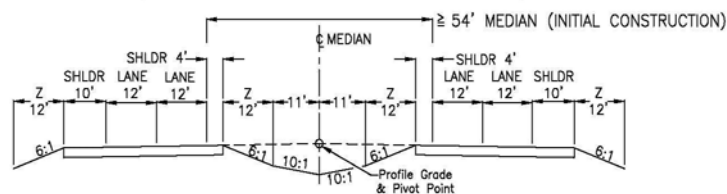
Figure 4-2 Typical Sections for Divided Concrete Pavement



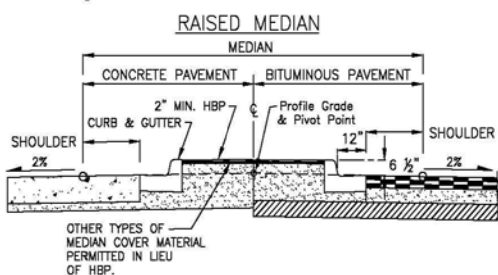
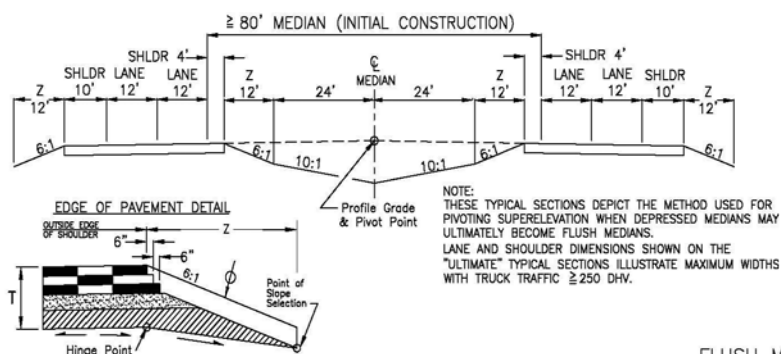
TYPICAL SECTIONS MEDIAN, RAMP, AND FRONTAGE ROAD DETAILS FIGURE 4-3

INITIAL AND ULTIMATE CONSTRUCTION LANES TO BE ADDED TO MEDIAN IN FUTURE

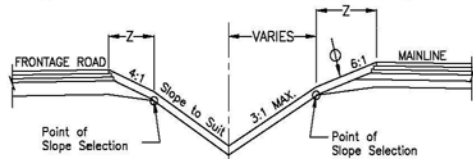
INITIAL CONSTRUCTION : FLUSH MEDIAN



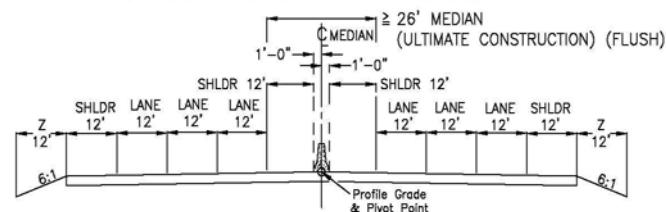
INITIAL CONSTRUCTION : DEPRESSED MEDIAN



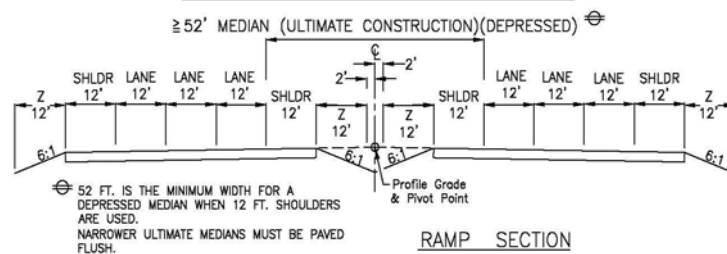
FRONTAGE ROAD
(HORIZONTAL PROXIMITY TO MAINLINE)



ULTIMATE SECTION : FLUSH MEDIAN

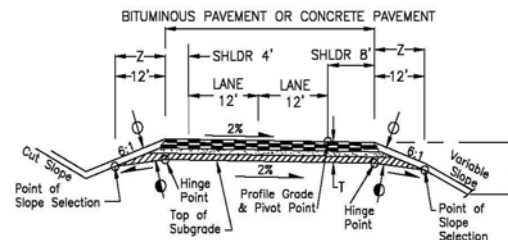


ULTIMATE SECTION : DEPRESSED MEDIAN

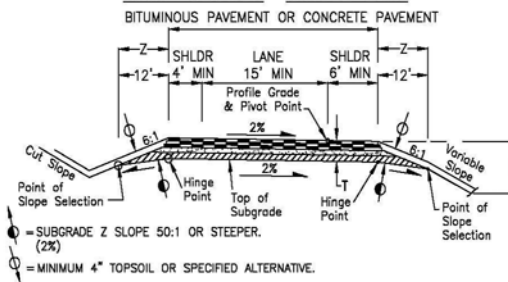


RAMP SECTION

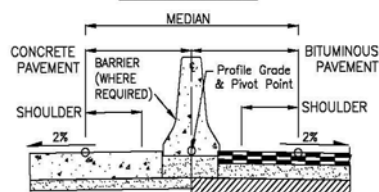
2-LANE EXIT OR ENTRANCE



RAMP SECTION SINGLE LANE



FLUSH MEDIAN



MEDIAN BETWEEN OFFSET ROADWAYS

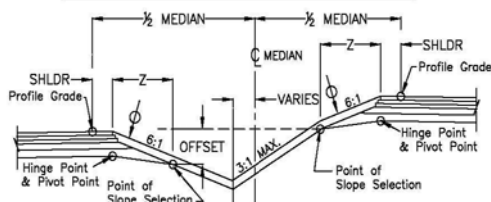


Figure 4-3 Typical Sections for Medians, Ramps, and Frontage Roads

TYPICAL SECTION URBAN BITUMINOUS OR CONCRETE PAVEMENT

FIGURE 4-4

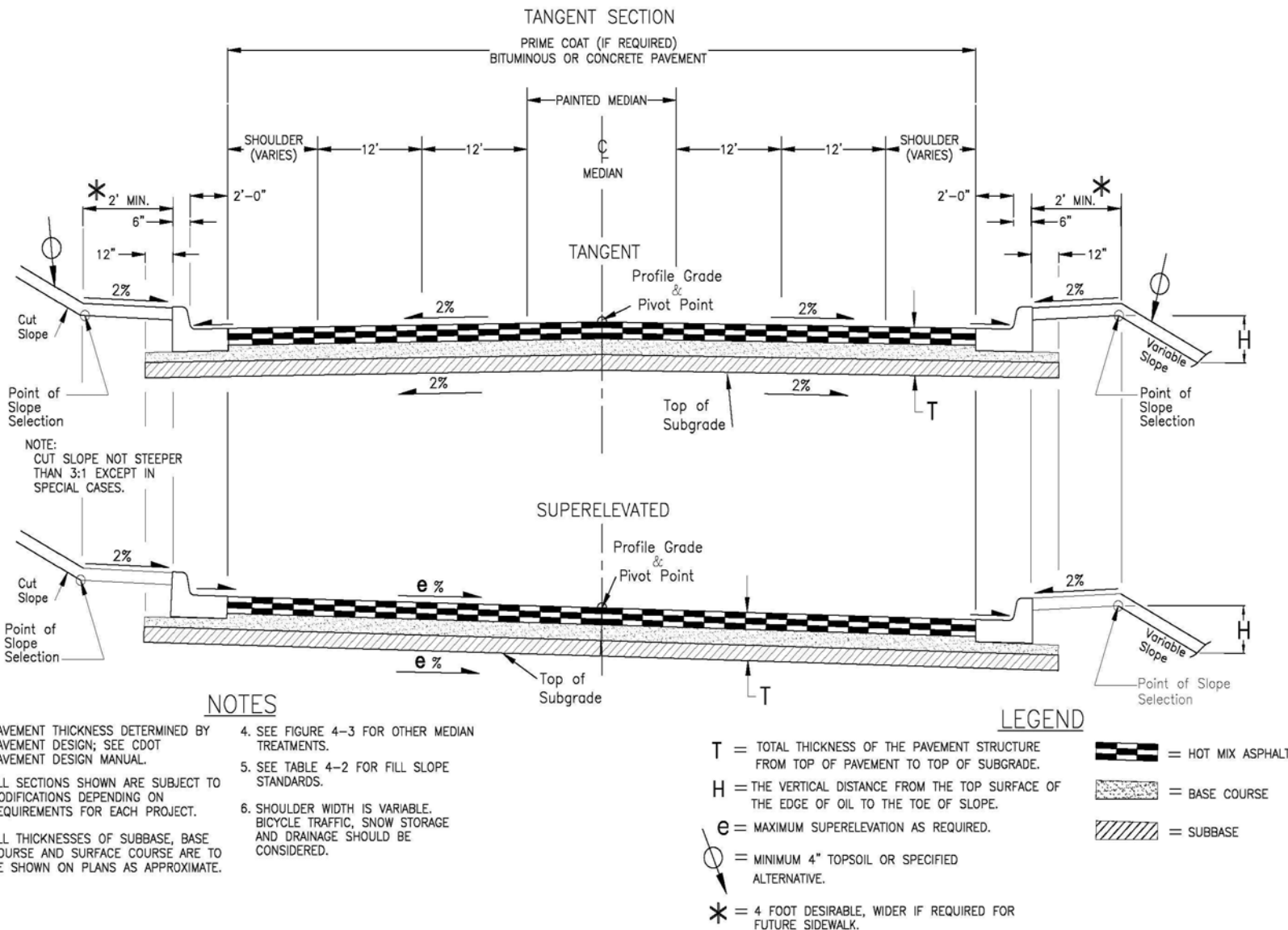
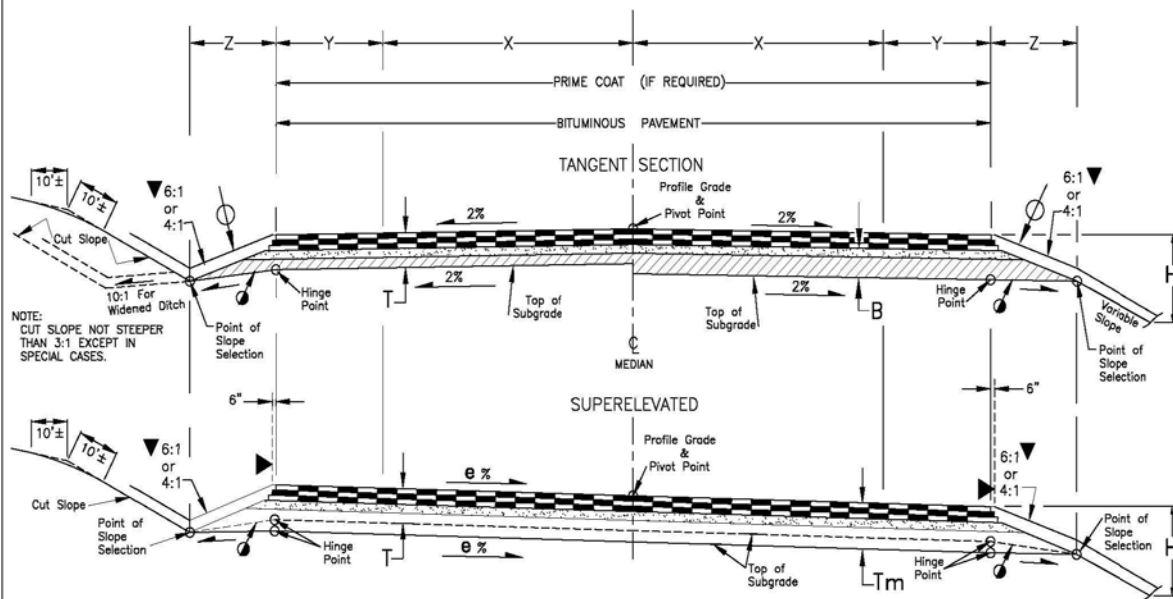


Figure 4-4 Typical Sections for Urban Bituminous or Concrete Pavement

FIGURE 4-5

TYPICAL SECTION CROWNED BITUMINOUS PAVEMENT WITH TREATED BASE TYPES B THRU D



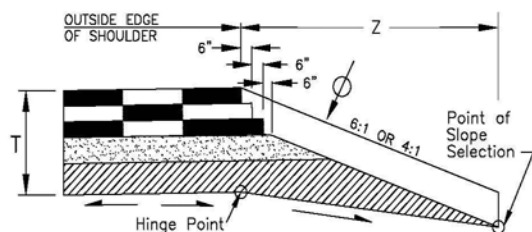
FORMULA FOR SUBGRADE Z SLOPE

$$\text{SUBGRADE Z SLOPE (ft./ft.)} = \left(6'' \right) \left(0.020 \text{ ft./ft.} \right) + \left(\text{Z WIDTH} - 6'' \right) \left(\frac{1}{\text{Z SLOPE}} \right) + 4'' - T$$

Z WIDTH

(NOTE: ALL DIMENSIONS FOR FORMULA ARE IN INCHES)

EDGE OF PAVEMENT DETAIL



* DIMENSION TABLE

SECTION TYPE	FEET		
	X	Y	Z
B	12	10	8
B	12	8	8
C	12	6	8
C	11	6	6
D	11	4	6
D	10	4	4

NOTES

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

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.

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.

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

▼ = 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

Figure 4-5 Typical Section for Crowned Bituminous Pavement