



* SEE PLANS FOR BASE DEPTH AND TYPE AND PAVED SURFACE TREATMENT WHERE REQUIRED.

TYPICAL SECTION

⊗ FOR GUARDRAIL:
ADD 2' TO 4' SHOULDERS
ADD 3' TO ALL OTHER SHOULDERS

BRIDGE WIDTH = APPROACH ROADWAY WIDTH
(CLEAR ROADWAY).

WIDTHS FOR TWO WAY TRAFFIC (LESSER WIDTH MAY BE USED FOR ONE-WAY)								
TYPE	CURRENT ADT	* TRAVELWAY WIDTH	SURFACE		MIN. ROADWAY SHOULDER TO SHOULDER ⊗	DITCH WIDTH (W)	DITCH DEPTH (D)	PAY ITEM
			UNPAVED	PAVED				
A	0-250	18'	✓		22'	4'	16"	LF.
B	251-750	20'	✓		24' ABS. 28' DES.	4'	16"	LF.
C	751-2000	20'		✓	28' ABS. 32' DES.	4'	16"	* *
D	2001-5500	22'		✓	38'	4'	16"	* *
E	5501-15,000	24'		✓	40'	4'	16"	* *
F	15,000-ABOVE	24'		✓	40'	6'	18"	* *

* CURVES TO BE WIDENED IN ACCORDANCE WITH ST'D. TC-5R.
** PAID FOR BY INDIVIDUAL QUANTITIES.

GEOMETRICS							
DESIGN SPEED M.P.H.		20	30	40	50	60	70
MIN. RADII		110' R	250' R	475' R	760' R	1200' R	1815' R
MAX. % GRADE	DES. ABS.	9%	9%	9%	7%	6%	5%
		14%	12%	12%	10%	9%	7%
STOPPING SIGHT DISTANCE	DES.	125'	200'	325'	475'	650'	850'
	MIN.			275'	400'	525'	625'
(MAX.) ELEVATION (FT./FT.)		.08	.08	.08	.08	.08	.08

IF GEOMETRICS AND WIDTHS SHOWN IN THESE CHARTS ARE GREATER THAN THE FINISHED CONTRACT DESIGN, APPROVAL MAY BE GRANTED BY THE DEPARTMENT FOR LESSER VALUES.

SPECIFICATION REFERENCE
510

MINIMUM DESIGN CRITERIA FOR TEMPORARY DETOURS
(MAINTENANCE OF TRAFFIC)

VIRGINIA DEPARTMENT OF TRANSPORTATION