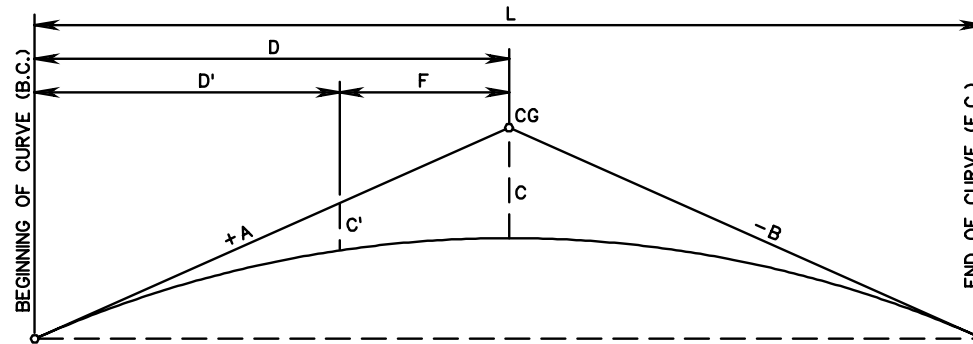


PARABOLIC VERTICAL CURVE



C.G.=POINT OF CHANGE OF GRADIENT

C = CENTER CORRECTION

C' = CORRECTION AT ANY GIVEN POINT ON CURVE

D = $L/2$ = HALF LENGTH OF VERTICAL CURVE

D' = DISTANCE TO POINT WHERE CORRECTION IS REQUIRED FROM BEGINNING OR END OF CURVE

$$C = \frac{\text{ALG. DIFF. X LENGTH OF CURVE IN STATIONS}}{8}$$

$$C' = C \left(\frac{D'}{D} \right)^2$$

SPECIFICATION
REFERENCE

PARABOLIC VERTICAL CURVE COMPUTATIONS

VDOT

ROAD AND BRIDGE STANDARDS

REVISION DATE

SHEET 1 OF 1

A-3

VIRGINIA DEPARTMENT OF TRANSPORTATION