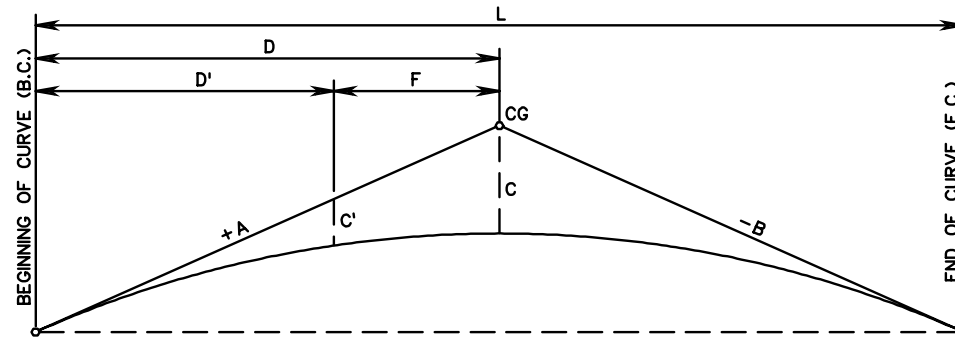


PARABOLIC VERTICAL CURVE



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

VIRGINIA DEPARTMENT OF TRANSPORTATION