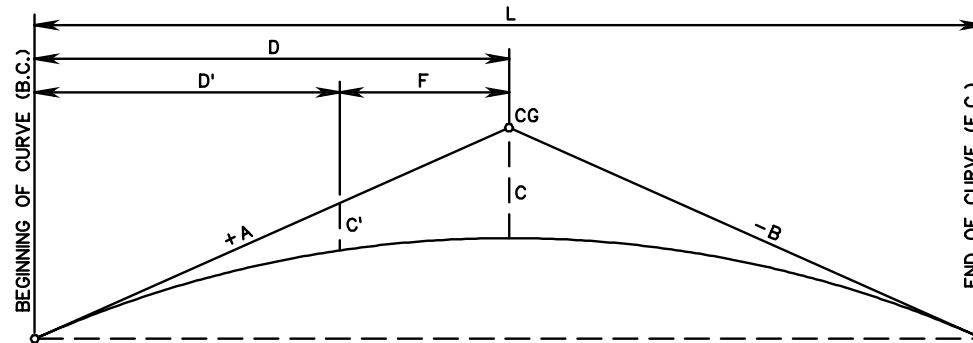


## PARABOLIC VERTICAL CURVE



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

**VDOT**

ROAD AND BRIDGE STANDARDS

REVISION DATE

SHEET 1 OF 1

A-3