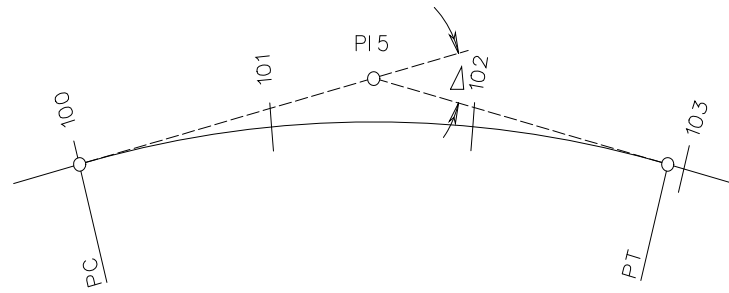
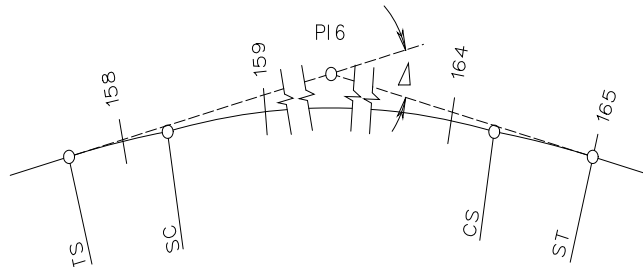


HORIZONTAL CURVES EXAMPLE
(Not to Scale)



Lane A
 PI NO. 5
 DELTA = 18° 26' 40" RT
 T = 146.12
 L = 289.72
 R = 900.00
 PC = 100+00.00
 PI = 101+46.12
 PT = 102+89.72
 V = 50 mph
 E = 3.1%

URBAN - NO SPIRAL TRANSITION



Lane A
 PI NO. 6
 DELTA = 54° 49' 28" RT
 T = 395.66
 L = 604.81
 R = 700.00
 LSIN = 65.00
 LSOUT = 65.00
 TS = 157+64.50
 SC = 158+29.50
 PI = 161+60.16
 CS = 164+34.31
 ST = 164+99.31
 V = 60 mph
 E = 6.3%

RURAL - WITH SPIRAL TRANSITION*

FIGURE C-7-3 HORIZONTAL CURVES EXAMPLE

* Rev. 7/12