Traffic Control Job Aid

Advance Warning Area Sign Spacing (pg. 6C-4):

Road Type	A	B	C
Urban (low speed)	100 ft	100 ft	100 ft
Urban (high speed)	350 ft	350 ft	350 ft
Rural	500 ft	500 ft	500 ft
Expressway/Freeway	1000 ft	1500 ft	2640 ft

Formulas for Determining Taper Length: (pg. 6C-8)

High Speed (45 mph or higher):	L=WxS
Low Speed (40 mph or lower):	L=WxSxS/60
Shoulder taper	1/3 L
One lane, two way taper (traffic alternates each direction):	L=100' (max)
Termination Taper:	100 ft per lane closed

***Legend**: L= Taper Length (feet), W = Lane Width (feet), S = Speed (mph),*

Tan = Tangent

Buffer Length & Flagger Station (pg 6C - 7, 6E - 4)

Determining Tangent Length (Activity Area):
Work Space + Buffer Space

Device Spacing:
Taper: S (in feet) i.e.: 60 mph = 60 ft.
Tangent: 2S i.e.: 60 mph = 120 ft.
End Work Sign 500 ft. downstream of Activity Area

Number of Devices
Taper: (L /S) + 1 (first lane taper only)
Tangent: Total Tangent distance/2S
Termination taper 5 devices

Speed (mph)	Distance (ft)
20	115
25	155
30	200
35	250
40	305
45	360
50	425
55	495
60	570
65	645
70	730
75	820