X = "Y" Minus $\frac{1}{2}$ Minor Road Pavement Width.
Y = 11' Minimum

NOTES:

The minimum angle of "New" intersections is 60°

The minimum angle of one-way and existing intersection that can not be realigned/ reconstructed to 60° due to adverse impacts or geometrics is 45° and requires a design waiver be submitted for approval.

Pavement markings as shown on this plan are suggested only and are not to be included in contract.

✕✕ Radius to be 5' when median width on Major Route is less than 10'.

A = Offset from through pavement edge to face of curb. Offset to be equal to cut shoulder width with an 8' min.

R_1^t = radius to be increased where necessary to provide an island with no sides less than 10'.

Dimension shown are minimum requirements.

Adjustments may be required to meet specific design requirements.

θ	R_1^t	R_2	W
90°	50'	50'	—
85°	50'	55'	—
80°	50'	60'	—
75°	50'	60'	—
70°	50'	65'	—
65°	50'	70'	26'
60°	45'	75'	26'
55°	45'	80'	28'
50°	45'	90'	28'
45°	40'	100'	30'

Note: Radii shown are minimum values.

NOTES:

W_1 = 10' with taper only

W_1 = Lane width when deceleration lane is required.

D = As determined by Capacity Analysis for Right Turn Storage

T = See Figure 3-1 for Taper Lengths

FIGURE 2-12 INTERSECTION DESIGN FOR RURAL APPLICATIONS WITH OR WITHOUT STANDARD SI-2 OR SI-3 SIGN ISLAND DESIGN*