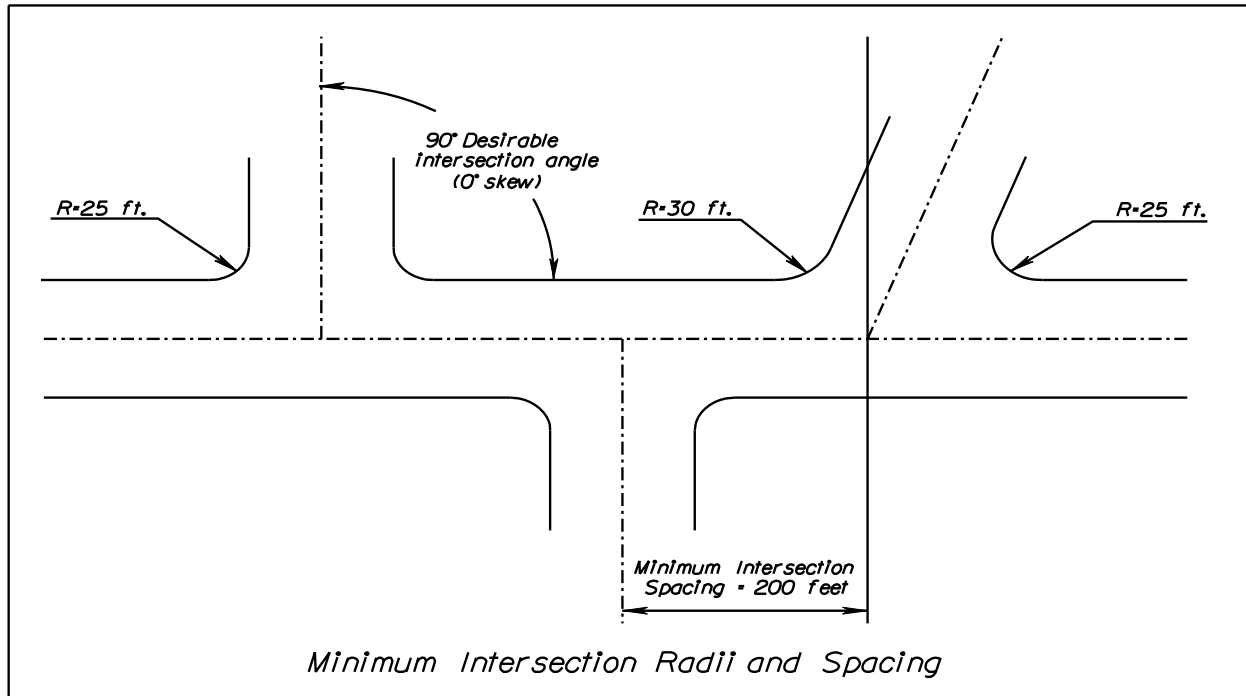


2. Spacing (i.e. Minimum distance between intersecting roadways)

Offset intersections are discouraged. Intersections or intersecting streets on the same side or opposite sides shall be spaced a minimum of 200 feet and this distance shall be adjusted upward based on upstream and downstream intersection turning movement volumes. Figure 3 illustrates the desirable spacing.



**FIGURE 3 – INTERSECTION DESIGN**

3. Minimum Radii

Intersection radii should be the same on all quadrants of an intersection. However, roadway alignments, traffic volumes along the respective legs, and other factors may warrant consideration of using different radii and may be considered. For skew intersections, radii shall be not less than 25 feet for the acute angle and 30 feet for the obtuse angle of the intersection street.

At street intersections, there are two distinct radii that need to be considered, the effective turning radius of the turning vehicle and the radius of the curb return (See 2011 AASHTO Green Book, Figure 5-3). The effective turning radius is the minimum radius appropriate for turning from the right-hand travel lane on the approach street to the appropriate lane of the receiving street. This radius is determined by the selection of a design vehicle appropriate for the streets being designed and the lane on the receiving street into which that design vehicle will turn.

\* Rev. 7/12