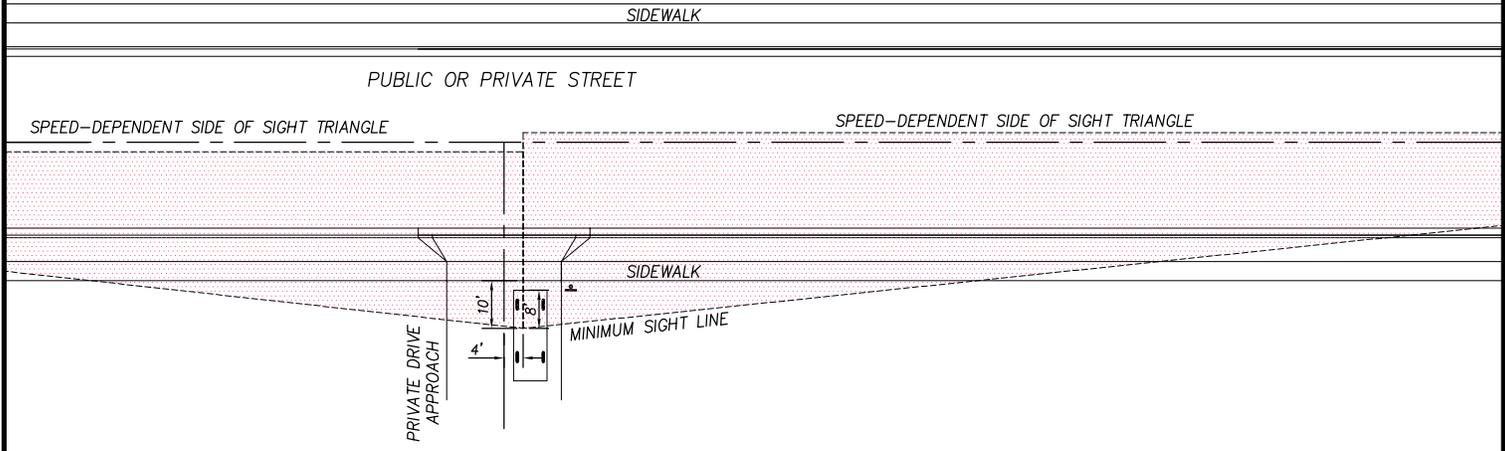
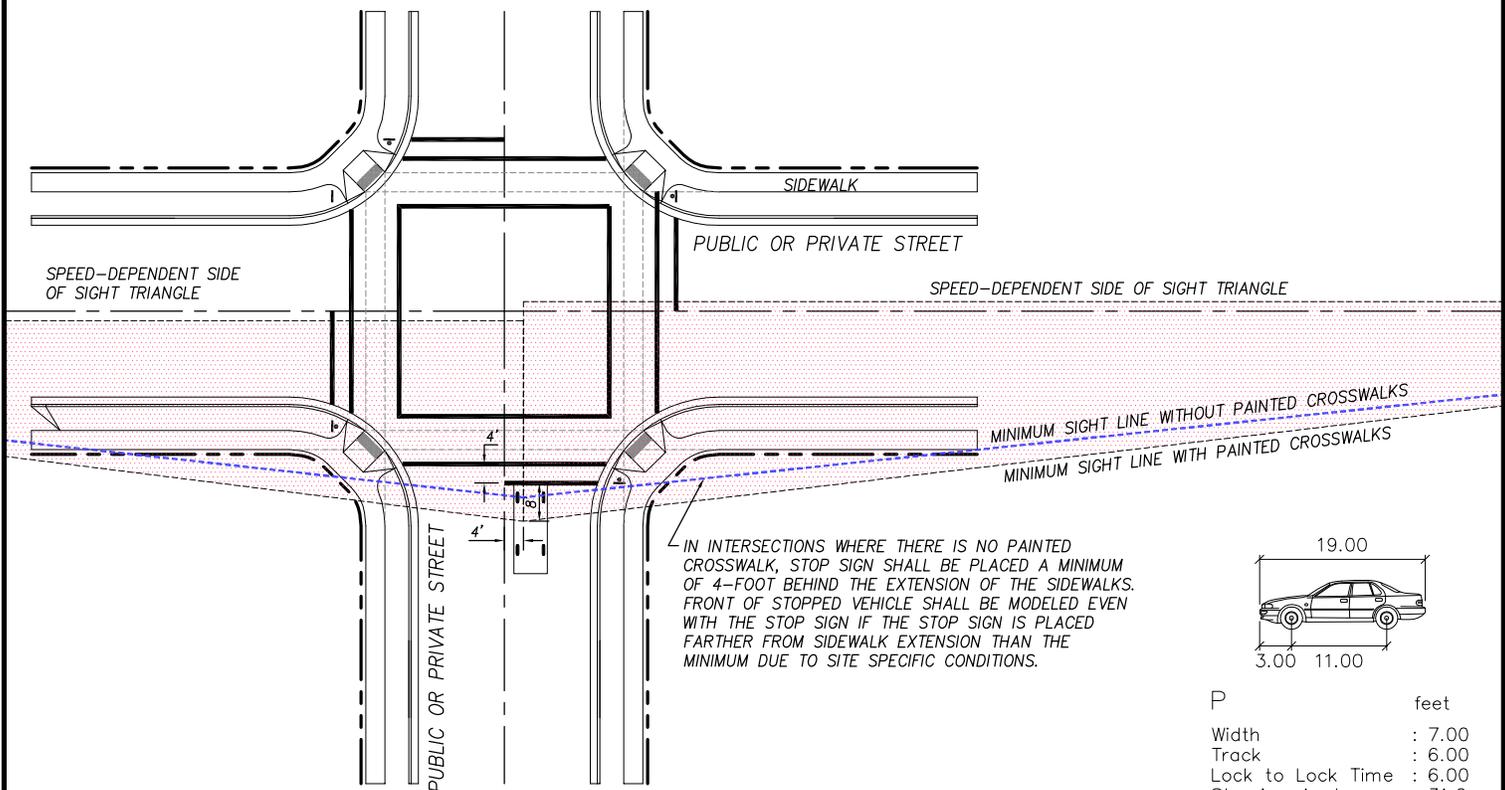


FIGURE 17.5.110-A

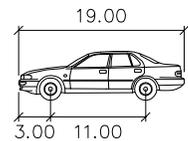
MINIMUM STANDARDS FOR INTERSECTION SIGHT DISTANCE



DRIVE APPROACH



ROADWAYS



P	feet
Width	: 7.00
Track	: 6.00
Lock to Lock Time	: 6.00
Steering Angle	: 31.6

AASHTO PASSENGER CAR DIMENSIONS

GENERAL SHEET NOTES:

1. WAITING VEHICLE SHALL STOP OUTSIDE OF PEDESTRIAN FACILITIES AS DETAILED HEREON OR GREATER AS DETERMINED BY SPECIFIC SITE LAYOUT.
2. SEE AMERICAN FORK CITY ACCESS MANAGEMENT MANUAL AND THE LATEST VERSION OF THE AASHTO MANUAL A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS FOR LENGTH OF SPEED-DEPENDENT SIDE OF SIGHT TRIANGLE.
3. SPEED-DEPENDENT SIDE OF SIGHT TRIANGLES SHALL BE CALCULATED BASED UPON DESIGN SPEED OF ROADWAY ALSO CONSIDERING EFFECTS OF ROADWAY GRADES FOR BOTH ROADWAYS.
4. NO OBSTRUCTION SHALL BE WITHIN THE SIGHT TRIANGLE IN THE AREA FROM 3-FOOT TO 8-FOOT (TRAFFIC SIGNS, NARROW STREET LIGHTS, NARROW TRUNK TREES WITH CANOPY ABOVE 8-FOOT EXCEPTED) OBSTRUCTIONS BELOW 3-FOOT ARE TO BE MINIMIZED.
5. DESIGNATED PARKING STALLS ARE NOT ALLOWED WITHIN SIGHT TRIANGLE AREAS.
6. DIMENSIONS SHOWN ARE MINIMUM. DESIGNER MAY OPT FOR MORE CONSERVATIVE SIGHT LINE DEFINITIONS
7. THIS DRAWING IS ALSO AVAILABLE AS STANDARD DRAWING #15.41

STD. DWG. #15.41



FILE: T:\LD-PROJECT\AF-CITY-STANDARDS\DWG\CITY-SIGHT-TRIANGLE-AASHTO-ADOPTED.DWG
DATE: FEBRUARY 28, 2012

Table 23 Intersection Sight Distance – Two-Way Stop-Controlled

Full-Movement Intersection (feet)

Design Vehicle	Major Street			
	Local¹	Minor Collector²	Major Collector³	Arterial⁴
Passenger Car	335	390	470	625
Single Unit Truck	420	490	600	805
Combination Truck	510	595	720	950

Notes:

1. Design Speed: 30 mph, 2-lane cross section.
2. Design Speed: 35 mph, 2-lane cross section.
3. Design Speed: 40 mph, 3-lane cross section.
4. Design Speed: 50 mph, 5-lane cross section.

Source: AASHTO Greenbook (2004) Case B1 (pp. 657-663)