

PUBLIC WORKS & UTILITIES ENGINEERING & DESIGN STANDARDS

ROAD CLASSIFICATION	DESIGN SPEED (MPH)	PVMT WIDTH (P)	RIGHT OF WAY WIDTH	MIN. HORIZ. RADIUS C.L.	MIN. VERT. CURVE	MAX. GRADE (%)	MIN. INT. SPACE
LOCAL / COLLECTOR UP TO 400 VPD	20	12	50	50'	75'	0.5	150'
	25	12	50	95'	125'	0.5	200'
	25	12	60	180'	165'	0.5	250'
	20	12	50	95'	125'	0.5	200'
	25	12	60	180'	165'	0.5	250'
	30	12	80	300'	200'	0.5	330'
UP TO 1000 VPD	35	12	80	375'	225'	0.5	660'
	40	12	80	450'	275'	0.5	660'
	40	12	80	450'	275'	0.5	660'
ARTERIAL UP TO 7500 VPD	35	5 LANES (3)		375'	225'	0.5	660'
	40			450'	275'	0.5	660'
	40			450'	275'	0.5	660'
OVER 7500 VPD	40			450'	275'	0.5	660'

NOTES:

1. PAVEMENT WIDTHS FOR INDUSTRIAL AND COMMERCIAL ROADS SHALL BE INCREASED BY ONE (1) FOOT.
2. INTERSECTION ANGLES SHALL NOT BE LESS THAN 60 DEGREES EXCEPT ON ARTERIAL ROADWAYS SHALL NOT BE LESS THAN 75 DEGREES. INTERSECTIONS WITH COUNTY ROADS SHALL BE 90 DEGREES.
3. 25 MPH MIN. DESIGN SPEED UNLESS APPROVED BY THE CITY ENGINEER.
4. ALL INTERSECTIONS AND ACCESS POINTS SHALL HAVE ADEQUATE LINE OF SIGHT BASED ON AN EYE LEVEL OF 3.5' ABOVE THE GROUND AND AN OBJECT 3.0' ABOVE THE LOWEST ROADWAY. FOR PURPOSES OF THIS STANDARD, THE EYE LEVEL SHALL BE MEASURED 8' IN BACK OF THE STOP BAR AT INTERSECTIONS. THE FOLLOWING SIGHT DISTANCES SHALL BE PROVIDED:

DESIGN SPEED (MPH)	20	25	30	35	40	45	50	55
SIGHT DISTANCE (FT) (MINIMUM)	200	250	300	350	400	450	500	550



CITY OF ALTAMONTE SPRINGS
950 CALABRIA DRIVE
ALTAMONTE SPRINGS, FLORIDA 32714

ROADWAY GEOMETRY

RD002-1

ISSUED 2017

REVISED 03/01/2017 BY DJB