

ROADWAY GEOMETRY

ROAD CLASSIFICATION	DESIGN SPEED (MPH)	LANE WIDTH, LW (FT)	RIGHT OF WAY WIDTH (FT)	MIN. HORIZ. RADIUS C.L. (FT)	MIN. VERT. CURVE (FT)	MIN. LONG. GRADE (%)	MIN. INT. SPACE (FT)
LOCAL / COLLECTOR							
UP TO 400 VPD	15	10	50	50	75	0.3	150
	20	10	50	95	125	0.3	200
	25	11	50	180	165	0.3	250
UP TO 1,000 VPD	20	11	50	95	125	0.3	200
	25	11	60	180	165	0.3	250
UP TO 5,000 VPD	30	12	80	300	200	0.3	330
	35	12	80	375	225	0.5	660
	40	12	80	450	275	0.5	660
ARTERIAL							
UP TO 7,500 VPD	35	12	100	375	225	0.5	660
	40	12	100	450	275	0.5	660
OVER 7,500 VPD	40	12	100	450	275	0.5	660

LEGEND:

HORIZ.=HORIZONTAL; C.L.=CENTER LINE; VERT.=VERTICAL; LONG.=LONGITUDINAL; INT.=INTERSECTION;
VPD=VEHICLES PER DAY

MINIMUM SIGHT DISTANCES (REVIEW GREEN BOOK LATEST EDITION FOR GRADE INFLUENCE)

DESIGN SPEED (MPH)	20	25	30	35	40	45	50	55
SIGHT DISTANCE (FT)	115	155	200	250	305	360	425	495

NOTES:

- ALL ROADWAY DESIGN SHALL MEET THE MINIMUM REQUIREMENTS OF THE MANUAL OF UNIFORM MINIMUM STANDARDS FOR DESIGN, CONSTRUCTION AND MAINTENANCE FOR STREETS AND HIGHWAYS, (GREENBOOK), AS PUBLISHED BY THE FDOT (LATEST EDITION).
- PAVEMENT WIDTHS FOR INDUSTRIAL AND COMMERCIAL ROADS SHALL BE INCREASED BY A MINIMUM OF ONE (1) FOOT.
- AS A RULE, ALL INTERSECTIONS SHALL BE DESIGNED AT 90 DEGREE ANGLES; DEVIATION FROM THIS SHALL BE CONSIDERED STRICTLY ON A CASE BY CASE BASIS; IN THE EVENT THAT ANY DEVIATION IS PERMITTED, THEN IN NO CASE SHALL INTERSECTION ANGLES BE LESS THAN 75 DEGREES FOR INTERSECTIONS WITH ARTERIAL ROADWAYS EXCEPT ON LOCAL AND COLLECTOR ROADWAYS WHICH SHALL NOT BE LESS THAN 60 DEGREES; INTERSECTIONS WITH COUNTY AND STATE ROADS SHALL BE 90 DEGREES.
- ALL INTERSECTIONS AND ACCESS POINTS SHALL HAVE ADEQUATE LINE OF SIGHT BASED ON AN EYE LEVEL OF 42" ABOVE THE GROUND AND AN OBJECT 24" ABOVE THE LOWEST ROADWAY; FOR PURPOSES OF THIS STANDARD, THE EYE LEVEL SHALL BE MEASURED 8' IN BACK OF THE STOP BAR AT ENTRANCES.



STANDARD CONSTRUCTION DETAIL ROADWAY GEOMETRY

REV. 12/18

FILE NAME:

R8.DWG

DETAIL REF:

R-8