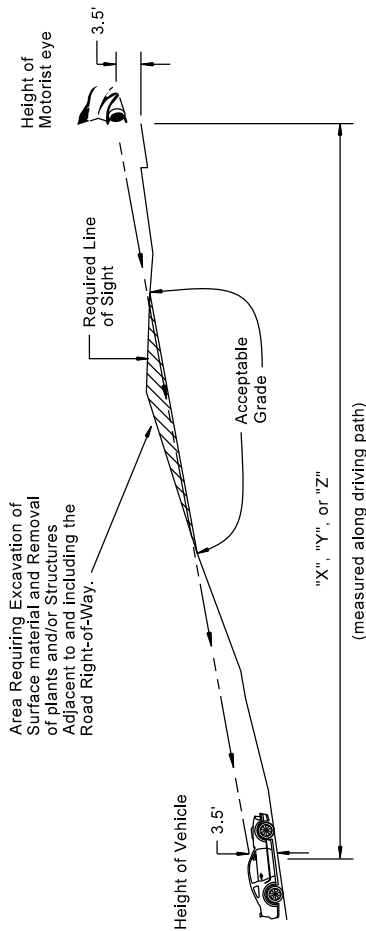


NEW	REVISIONS		
9-15-05	12-9-06	4-15-07	3-4-08
			9-1-15

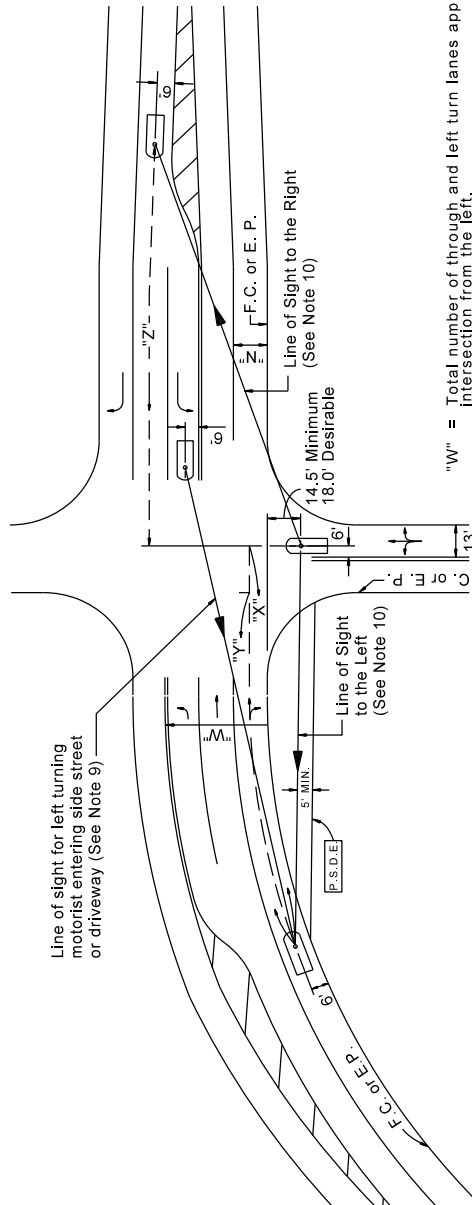
Design Speed on Thru Roadway (M.P.H.)	SIGHT DISTANCE FOR VEHICLE ENTERING ROADWAY FROM STOPPED POSITION ASSOCIATED WITH NEW DEVELOPMENT					
	Sight Distance for Left Turn From Minor Road ("X" & "Z")		Sight Distance for Left Turn From Major Road ("Y")		Sight Distance for Right Turn Only Intersections ("N")	
	"W"=1 Lane	"W"=2 Lanes	"W"=3 Lanes	"W"=1 Lane	"W"=2 Lanes	"W"=3 Lanes
15	170'	180'	190'	125'	135'	145'
20	225'	240'	250'	165'	180'	195'
25	280'	295'	315'	205'	225'	240'
30	335'	355'	375'	245'	265'	290'
35	390'	415'	440'	285'	310'	335'
40	445'	475'	500'	325'	355'	385'
45	500'	530'	565'	365'	400'	430'
50	555'	590'	625'	405'	445'	480'
55	610'	650'	690'	445'	490'	530'
60	665'	710'	750'	490'	530'	575'
65	720'	765'	815'	530'	575'	625'
70	775'	825'	875'	570'	620'	670'



TYPICAL PROFILE ALONG LINE OF SIGHT TO THE LEFT

- 1) Do not scale drawing. Follow dimensions.
- 2) Sight distance design criteria shall be based upon the number of lanes of the ultimate roadway.
- 3) On existing roadways the design speed shall be the 85th percentile speed of motorists on the roadway as established by radar studies or 5 m.p.h. greater than the posted speed limit, whichever is greater.
- 4) On new roadways the design speed shall be 5 m.p.h. greater than the anticipated posted speed limit.
- 5) If "W" is greater than 3 lanes, sight distance data shall be increased by extrapolating from values on the chart.
- 6) If "w" includes a median, sight distance data shall be increased by interpolating between values shown on the chart.
- 7) Height of motorist eye in stopped vehicle = 3.50 ft. Height of the object = 3.50 ft.
- 8) Sight distance requirements shall be satisfied looking left and right for a motorist in each exit lane of a side street or driveway.
- 9) Sight distance requirement for left turning motorist on the through roadway attempting to enter a side street or driveway are measured from a vehicle stopped condition.
- 10) All sight distances assume grades of 3 percent or less. If greater see AASHTO Geometric Design of Highways and Streets.
- 11) Sight distance should be met for signalized intersection.

GENERAL NOTES



- "W" = Total number of through and left turn lanes approaching intersection from the left.
- "X" = Sight distance to the left for a motorist in each exit lane of a side street or driveway. (measured along driving path of nearest lane of approaching motorist)
- "N" = Total number of lanes to be traversed to make a right turn.
- "Z" = Sight distances to the right for a motorist in each exit lane of a side street or driveway. (measured along driving path of nearest lane approaching motorist)
- "Y" = Sight distance required for motorist turning left from major roadway. (measured along driving path of farthest lane of approaching motorist)

[P.S.D.E.] = Permanent Sight Distance Easement.

SAINT LOUIS COUNTY
 DEPARTMENT OF TRANSPORTATION
 CLAYTON, MISSOURI

SIGHT DISTANCE AT INTERSECTIONS

REVISION DATE: September 1, 2015

DRAWING
 40.25-1