

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION NASHVILLE, TENNESSEE 37243-0348

INSTRUCTIONAL BULLETIN NO. 09-03

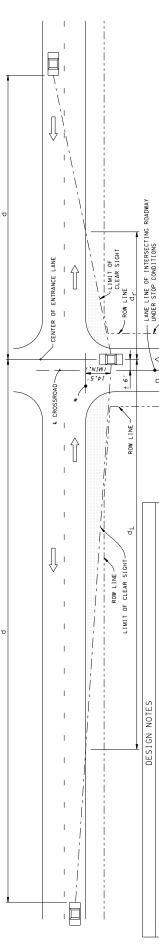
Regarding New Intersection Sight Distance Standard Drawings

Effective immediately, for all new construction and reconstruction projects, designers should use the new Intersection Sight Distance Standard Drawings to ensure that intersection sight distance is provided in addition to adequate stopping sight distance at all intersections, railroad crossings without train activated warning devices, and commercial drives. Refer to IB 08-13 for an additional guidance.

Copies of the new standard drawings are attached.

DRAWING NUMBER	CURRENT REVISION DATE DESCRIPTION
RD01-SD-1	Intersection Sight Distance Design and General Notes
RD01-SD-2	Intersection Sight Distance Landscape for Obstructions
RD01-SD-3	Intersection Sight Distance 2-Lane Roadways
RD01-SD-4	Intersection Sight Distance 5-Lane and 4-Lane Undivided Roadways
RD01-SD-5	Intersection Sight Distance 4-Lane Divided Highways
RD01-SD-6	Intersection Sight Distance 6-Lane Divided Highways
RD01-SD-7	Intersection Sight Distance For Passive Railroad Highway Grade Crossings

Original signed by Jeff C. Jones
Jeff C. Jones, Civil Engineering Director
Design Division



FOR ALL NEW CONSTRUCTION AND RECONSTRUCTION PROJECTS, DESIGNERS SHOULD ENSURE THAT INTERSECTION SIGHT DISTANCE IS A TELL NIERSECTION. SIGHT DISTANCE IS ALL INTERSECTIONS. RALIFOAD CROSSINGS PROJUCED IN ADDITION TO AGEODALE STOPPHING SIGHT DISTANCE ALL NIERSECTIONS. RALIFOAD CROSSINGS WITHOUT FRAIL NOTIVATED WARNING DEVICES. AND COMMERCIAL DRIVES. DESIGN INFORMATION AND WALLES FOR SIGHT DISTANCE AT INTERSECTIONS AND RALIROAD CROSSINGS CAN BE FOUND IN THE 2001 A POLLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS" (AASHTO GREEN BOOK), CHAPFER 9, INTERSECTIONS. Θ

INTERSECTION SIGHT DISTANCE SHOULD ALSO BE PROVIDED AT ALL PRIVATE DRIVES AND FIELD ENTRANCES WHEN FEASIBLE. IN THE EVENT THAT INTERSECTION SIGHT DISTANCE CANNOT BE ACHIEVED, THE DESIGNER SHALL VERIFY THAT SIGHT DISTANCE IS PROVIDED. INTERSECTION SIGHT DISTANCE SHOULD ALMAYS BE PROVIDED FOR A LEFT TIRN MOVEMENT FROM THE MAJOR ROAD INTO A PRIVATE DRIVE OR FIELD ENTRANCE. \bigcirc

DESIGNERS SHOULD COKSIDER ALL FAITURES THAT COULD LINIT ADEQUATE SIGN TOTSTANDE INCLUDINGS, WELLS, HIGHWAY STRUCTURES, ROADSIDE HARDWARE, HEDGES TREES, BUSHES, UNAWORD CHARS, TALL CROPS, MALLS, FENCES, SUCH STRUCKS, SIGNERS, AND THE FERRAIN ITSELF. THE DETERMINATION OF WHETHER AN OBJECT CONSTITUTES A SIGNED OSSINGEN THE HORSTONIAL AND VESTICAL ALLOWERN OF BOTH THE RESCURMENT OF ASSISTEN THE HORSTONIAL AND VESTICAL IN ALLOWERN OF BOTH THE RESCURMENT OF BOTH THE RESULPH AND POSITION OF THE OBJECT. IN MALION THIS DETERMINATION, THE MALIONE SEE SHOULD BE 3.5 FT ABOVE THE SIDER AND FILE MALIONE FOR SEE STANDED FOR THE MATCHER SIZE OF THE TIEM SHALL BE USED. \odot

IN JAREA DE LIMITED RIGHT-OF-WAY ACQUISITION SUCH AS A CHBB AND CUITTER SECTION, ADDITIONAL RIGHT-OF-WAY AND INDIANA RIGHT SECTION ADDITIONAL RIGHT-OF-WAY AND WEED TO BE ACQUIRED TO ENQUIRE THAT INVESTED TO BE ACQUIRED TO BE ACQUIRED TO BE ACQUIRED TO BE SUFFICIALLY OF A STATE TO BE ACCOUNTED TO BE ACCOUNTED THAT IN SOFT PART TO THE SECTION SIGHT DISTANCE CAN BE MAINTAINED. THE DESIGN ANNAGER WILL DOCUMENT IN THE PROJECT FILE THE REASON AND STEPS TAKEN TO MITIONE. INTERECTION SIGHT DISTANCE TO MITIONE. INTERECTION TO MITION TO MITION TO MITION TO MITION TO BE SUBMITTED. 4

DESIGNERS SHALL SHOW SIGHT LINES FOR ALL INTERSECTIONS IN THE DESIGN CADD FILE. SIGHT LINES SHALL WIN TE SHOWN ON THE FRESENT AND PROPOSED LAYOUT SHEETS WHEN RIGHT-OF-WAY IS REQUIRED FOR THE PURPOSE SIGHT LISHING, OR MAINTAINING, INTERSECTION SIGHT DISTANCE. SIGHT LINES SHOULD ALSO BE SHOWN FOR ALL INTERSECTIONS AND DRIVES ON ALL LANDSCAPING PLANS. 6

THE MINIMAM DRIVER EYE SITBACK OF 14.5' FROM THE EDGE OF THE TRAVELED MAY MAY BE ADJUSTED ON ANY INTERSECTION LEG OWN. WHEN JUSTIFED BY A SITE SPECIFIC FIELD STUDY OF VEHICLE STOPPING POSITION AND DRIVER EYE POSITION. (9)

FOR SIGNALIZED INTERSECTIONS SIGHT DISTANCES SHOULD BE DEVELOPED BASED ON AASHTO "CASE D-INTERSECTIONS". THE FIRST VEHICLE FOR VEHICLE STOPPED ON ONE APPROACHE SHOULD BE VISIBLE TO THE DRIVER CITYON." THE FIRST VEHICLE STOPPED ON EACH OF THE OTHER APPROACHES. LEFT-TURNINO VEHICLES SHOULD HAVE SUFFICIENT SIGHT DISTANCE TO SELECT GASS IN WONCOMING TARFIC AND COMPLETE LEFT TURNS. APART FROM THEE SIGHT CONDITIONS. THERE ARE GENERALLY NO OTHER APPROACHE SHOULD HAVE SUFFICIENT SIGHT DISTANCE TO SELECT GASS IN A SHOULD BE PREPARINE SIGHT TRANSLES NEEDED FOR SIGHALIZED INTERSECTIONS, HOWEVER, IF THE APARFIC SIGHAL IS TO BE PLACED ON THE WINDS-RACES NOOF FEELS ON INGHITING CONDITIONS. SHOULD BE PROPRIATE DEPARTURE SIGHT TRANSLESS BOTH TO THE LEFT AND TO THE RIGHT. SHOULD BE PROPRIATE DEPARTURE SIGHT TRANSLESS IN ADDITION, IF RIGHT INDNS ON A RED SIGNAL ARE TO BE FERMITTED FROM ANY APPROACH. THEN THE ADDITION, IF RIGHT THAN SHOULD BE PROVIDED FOR THE WINDS-RACE TO SERVE THE SIGHAL THAN SHOULD BE PROVIDED FOR THE WINDS-RACE THE SIGHAL THAN SHOULD BE PROVIDED FOR THE WINDS-RACE THE SIGHAL THAN SHOULD BE PROVIDED FOR THE WINDS-RACE THE SIGHAL THAN SHOULD BE PROVIDED FOR THE WINDS-RACE THEN SHOW THE WALL THAN SHOULD BE PROVIDED FOR THE WINDS-RACE THEN SHOW THE WALL THAN SHOULD BE PROVIDED FOR THE WINDS-RACE THEN SHOW THE WALL THAN SHOULD BE PROVIDED FOR THE COMMODIATE RIGHT THAN SHOW THE WALL THAN SHOULD BE PROVIDED FOR THE COMMODIATE RIGHT THAN SHOW THAT APPROACH. THEN THEN SHOW THE WALL THAN SHOULD BE PROVIDED FOR THE WALL THAN SHOW THAN SHOW THE WALL THAN (-)

PLANS. WHERE CURVATURE, SUPERELEVATION, ADVERSE SPLIT PROFILES OR OTHER CONDITIONS PRECLUDE THE USE OF STANDARD TREE SIZES AND SPACING, PROOF OF VIEW AND SIGHT DISTANCE RESTRAINTS SHOULD BE DETAILED IN THE

INTERSECTION SIGHT DISTANCE VALUES ARE PROVIDED FOR PASSENGER VEHICLES, SINGLE UNIT (SU) VEHICLES AND COMBINATION VEHICLES. INTERSECTION SIGHT DISTANCE BASED ON THE PASSENGER VEHICLE IS SUITABLE FOR MOST INTERSECTIONS, WHERE SUBSTANTIAL VOLUMES OF HEAVY VEHICLES ENTER THE MAJOR-ROAD, SUCH AS FROM RAMPTERMINALS WITH STOP CONTROL OR ROADWAYS SERVING TRUCK TERMINALS, THE USE OF TABLLATED VALUES FOR VEHICLES OR COMBINATION VEHICLES SHOULD BE CONSIDERED. (SU) (b)

MAINTENANCE THE INFORMATION SHOWN IS INTENDED SOLELY FOR THE PURPOSE OF CLEAR SIGHT DEVELOPMENT AND MAINTENA AT INTERSECTIVE HIGHWAYS, RADUS AND STREETS, AND IS NOT INTENDED TO BE USED TO ESTABLISH ROADMA AND RADUSINE SAFETY EXCEPT AS RELATED TO INTERSECTION SIGHT CORRIDORS. (2)

INTERSECTION SIGHT DISTANCE TABLES DO NOT SUPERCEDE AASHTO STOPPING SIGHT DISTANCE REQUIREMENTS. DESIGNER MUST ENSURE THAT STOPPING SIGHT DISTANCES ARE MET. 물물 (I) (I)

DETALLS ARE BASED ON THE AASHTO "A POLICY ON GEOMETRIC DESIGN OF HICHWAYS AND STREETS, 2001". CHAPTER 9, INTERSECTION SIGHT DISTANCE. CASES B AND F., AND THE DEPARTMENT PRACTICES FOR CHANNELLIZED MEDIAN OPERANCE.

CLEAR SIGHT LINE AD, STOP CONDITIONS ORIGIN OF CLE ON MINOR ROAD,

THE HE ROADWAY EDGE OF MAJOR ROAD TRAVELED WAY. THE FROM TRAVELED WAY IS THE PORTION OF THE ROAD FOR THE MOVEMENT OF VEHICLES. EXCLUSIVE OF SHOLUERS, PARKING SPACES AND MARKED BICYCE LAMES.

DEFINITIONS

d = CLEAR LINE SIGHT DISTANCE

dr = CLEAR LINE OF SIGHT DISTANCE TO THE RIGHT d_ = CLEAR LINE OF SIGHT DISTANCE TO THE LEFT DISTANCE MEASURED FROM THE CENTERLINE OF THE ENTRANCE LANE OF THE MINOR ROADMAY TO A POINT ON THE MEDIAN CLEAR ZONE LIMIT OR NOF ROADMAY CLEARANCE LIMIT FOR THE FAR SIDE ROADMAY OF THE MAJOR ROADMAY (SEE SHEEF RODI-S-5).

NOTES

DETAILS APPLY TO BOTH RURAL AND URBAN INTERSECTIONS UNDER STOP SIGN CONTROL OR FLASHING BEACON CONTROL. FOR FULL SIGNAL CONTROLLED INTERSECTIONS SEE DESIGN NOTE NO 7. ∢

INTERSECTION SIGHT DISTANCE (d) APPLIES TO NORMAL AND SKEWED INTERSECTIONS (INTERSECTING ANGLES)
BETWEN DO S AND 120', AND WHERE VERTICAL AND YOR HORIZONAL CLOWES ARE PRESENT. SIGHT DISTANCE (d)
IS MASSUED ALONG THE MAJOR ROADWAY FROM THE CENTER OF THE ENTRANCE LAND OF THE MINOR ROADWAY TO THE
CENTER OF THE WARA PREPROACH LAND ALONG THE MINOR ROADWAY TO THE WASHED
FROM THE CENTERLINE OF THE ENTRANCE LAND (FOR THE WINOR ROADWAY TO A POINT ON THE EDGE OF THE
MEAN SIDE COUTER TRAFFIC LAND ON THE MAJOR ROADWAY. TO A POINT ON THE EDGE OF THE
ENTRANCE LAND OF THE MINOR ROADWAY TO A POINT ON THE MAJOR ROADWAY.

FENTANCE LAND OF THE MINOR ROADWAY TO A POINT ON THE MEDIAN CLEAR ZONE LIMIT OR HORIZONTAL CLEARANCE LIMIT
FOR THE FAR SIDE ROADWAY OF THE MAJOR ROADWAY.

THE LIMITS OF CLEAR SIGHT DEFINE A CORRIDOR THROUGHOUT WHICH A CLEAR LINE OF SIGHT MUST BE PRESENCE, SEE VERTICAL LIMITS OF CLEAR SIGHT MUST BE ROOD-50-2.

CLEAR SIGHT MUST BE FROVIDED BETWEEN VEHICLES AT INTERSECTION STOP LOCATIONS AND VEHICLES ON THE MADOR ROADWAY WITHIN DIMENSION "4".

SINCE GOSERVATIONS ARE MADE IN BOTH DIRECTIONS ALONG THE LINE OF SIGHT, THE REFERENCE DATUM BETWEEN ROADWAYS IS 3"-6" ABOVE RESPECTIVE PAREMENTS. _: (o)

5

BARRIER SYSTEMS WITHIN INTERSECTION SIGHT CORRIDORS, WHERE PENETRATION INTO THE CLEAR LINE OF SIGHT MIGHT OCCUR, SHALL BE LOCATED TO PROVIDE THE LEAST ADVERSE AFFECT PRACTICAL.

ALL PROPERTY NEEDED TO ACHIEVE SIGHT DISTANCE AT INTERSECTIONS SHOULD BE ACOUIRED AS RIGHT-OF-WAY.

SIGHT DISTANCE VALUES IN THESE STANDARD DRAWINGS ARE APPROXIMATE FOR GENERALLY FLAT AREAS WHERE THE ROADMAY REAGES ARE IN THE APROXIMATE RANGE GO %2 TO 6%. FOR LOCATIONS WHERE ROADMAYS ARE CURYED OR WITH GRADES GREATER THAN 6%. THE DESIGNER IS DIRECTED TO ENSURE THAT STOPPING SIGHT DISTANCES COMPLY WITH ABSHTO AP APOLICY FOR GEOMETRIC DESIGN OF HIGHMATS AND STREETS. AS CURRENTLY ADOPTED BY TDOT. (L) (L)

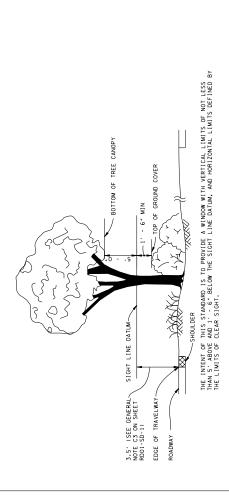
T E C E N D	AREAS FREE OF SIGHT OBSTRUCTIONS

STATE OF TEMMESSEE DEPARTMENT OF TRAMSPORTATION

INTERSECTION SIGHT DISTANCE DESIGN AND GENERAL NOTES

10-1-08 | RD01-SD-1

NOT TO SCALE



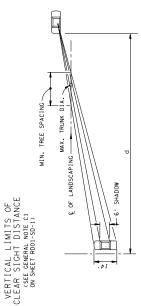
THE CORRIDOR DEFINED BY THE LIMITS OF CLEAR SIGHT IS A RESTRICTED PLANTING AREA. DRIVERS OF WELLCLES ON THE INTERSECTION GROADWAY AND VEHICLES ON THE MAND ROADWAY SHOULD BE ABLE TO SEE EACH OTHER CLEARLY THROUGHOUT THE LIMITS OF "4" AND "dd". If IN THE ENGINEERS JUDGEMENT, LANDSCAPING INTERFERS WITH THE LIME OF SIGHT CORRIDOR PRESCRIBED BY THESE STANDARDS THE ENGINEER MAY REARRANGE, RELIMINATE PLANTINGS. PLANTS WITHIN THE RESTRICTED AREAS ARE LIMITED TO SELECTIONS AS FOLLOWS:

DESIGN NOTES

TRUNKED PLANTS - PLANT SELECTION OF A MATURE TRUNK DIAMETER 4" OR LESS MEASURED AT 6" ABOVE THE GROUND. CANOP OR HIGH BORNE FOUNDES SHALL NEVER BE LOWEST HINN S. ABOVE THE SIGHT LINE DATUM. THESE SELECTIONS SHALL BE SPACED NO CLOSER THAN 20".

GROUND COVER & TRUNKED PLANTS (SEPARATE OR COMBINED).
GROUND COVERS - PLANT SELECTION OF LOW GROWING VEESTATION WHICH AT MATURITY DOES NOT ATTAIN
GROUND COVER IN COMBINITION WITH REES, THE GLOUND WE REES THAN SEES. THE GLOUND TOWERS SHOW THE SIGHT LINE DATUM.
BELOW THE SIGHT LINE DATUM WILL APPLY: 24 * FOR TREES + 11** DIA.

TREES.
THEES CAN BE USED WITH LAWN; PAVERS; PAVEMENT, CRAVEL, BARK OR WOOD CHIP BEDS; CROUND COVERS OR OTHER DEPARTMENT APPROVED MATTERIAL. THE CLEAR SIGHT WINDOW MAST BE IN COMFORMANCE WITH THE WINDOW DETAIL. MODIFIED TO ATTAIN THE HEIGHT REQUIREMENTS LISTED IN 'CROUND COVERS' ABOVE.
THEE SIZE AND SPACING SHALL COMFORM TO THE FOLLOWING TABULAR VALUES:



SIZES AND SPACINGS ARE BASED ON THE FOLLOWING CONDITIONS:

(A) A SINGLE LINE OF TREES IN THE WEDIAN PARALLEL TO BUIN TO NECESSARILY COLINEAR WITH THE CENTERLINE.

(B) A STRAIGHT APPROACHING MAINLINE, WITHIN SKEW LIMITS AS DESCRIBED IN GENERAL NOTE B.

(C) TREES & 11" IN DIAMETER ASTING A VERTICAL 6" WIDS SHADOW BAND ON A VEHICLE ENTERING AT STOP BAR LOCATION WHEN VIEWED BY MAINLINE DRIVER BEGINNING AT DISTANCE "d", SEE SANDOW BANDOW DIAMENT SALL" INTEMNIXED WITH TREES WITH DIAMETERS \$ 11" & 18" ARE TO BE SPACED BASED ON TREES WITH DIAMETERS > 11" & 18" ARE TO BE

FOR ANY OTHER CONDITIONS THE TREE SIZES, SPACINGS AND LOCATIONS SHALL BE DETAILED IN THE PLANS; SEE DESIGN NOTE NO. 8.

9 9 6 6 1 6 1 6 1

52 173

50 45 165

45 146

33

35 27 108

30 22 91

DESIGN SPEED (MPH)
MINIMUM SPACING 4<0<11
(C. TO C. OF TRUCK) 12<0<18

0 = DIAMETER WITHIN LIMITS OF SIGHT WINDOW (INCHES)

CLEAR SIGHT DISTANCE HORIZONTAL LIMITS OF

I (X



THE d₀ VALUES IN THE TABLE WERE ESTABLISHED BY THE METHOD RETERENCE ON DESIGN NOTE: 2. AND ARE APPLICABLE TO URBAN, PREDOMINANTY CURBED ROADWAYS WITH DESIGN SEPECTOS OF 45 WHO R. LESS. FOR HORIZONTAL CLEARANCE (HC) OF SIX FEET (G). THE WALLES FOR & MAY BE DETERMINED BY THE COLATION d₀ = d₀ (w/(w/12)). FOR ROADWAYS WITH NOMESTRETICE COMMITTIONS, d₀ = d₀ (w/(w/12)). FOR BOADWAYS WITH NOMESTRETICE COMMITTIONS, d₀ = d₀ (w/(w/12)). FOR BOADWAYS SIX BASED ON THE CEOMETRY FOR THE LEFT TURN STORAGE AND ON CLERE ZONE WIDTHE.

> H H

H H | | | | |

 \Box П

 \Box П \Box LIMIT OF CLEAR SIGHT

V.

9. HC

6. HC

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LIMIT OF MEDIAN SIGHT OBSTRUCTION

CHANNELIZED DIRECTIONAL MEDIAN OPENINGS

AREAS FREE OF SIGHT OBSTRUCTIONS

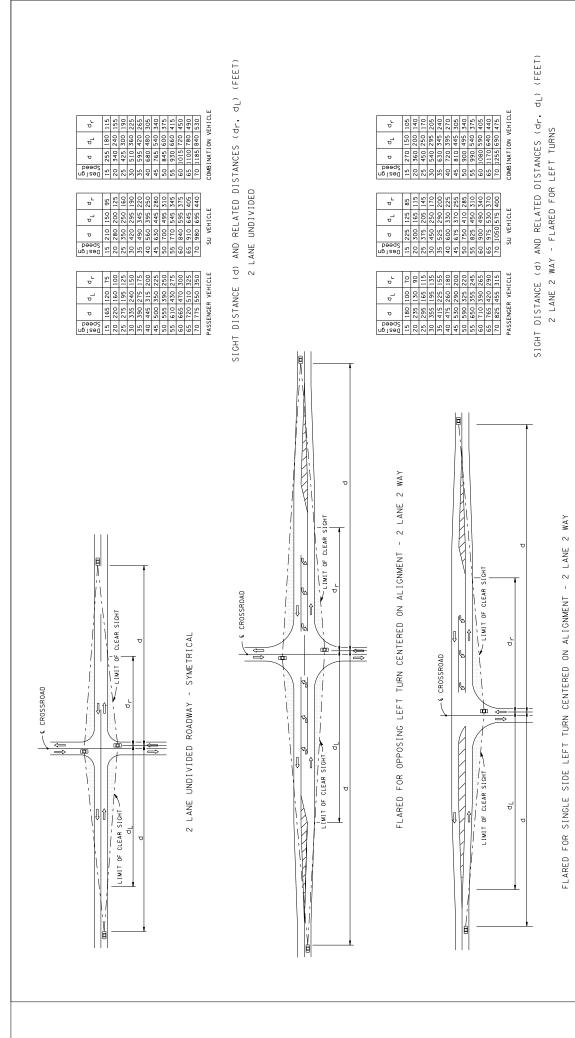
P = PASSENGER VEHICLE
SU = SINGLE UNIT TRUCK
COMB. = COMBINATION
d = CLEAR LINE SIGHT DISTANCE
d₀= CLEAR LINE SIGHT DISTANCE

STATE OF TEMMESSEE DEPARTMENT OF TRAMSPORTATION

10-01-08 RD01-SD-2

NOT TO SCALE

INTERSECTION SIGHT DISTANCE LANDSCAPE AND OBSTRUCTION



INTERSECTION SIGHT DISTANCE 2-LANE ROADWAYS 10-01-08 RD01-SD-3

NOT TO SCALE

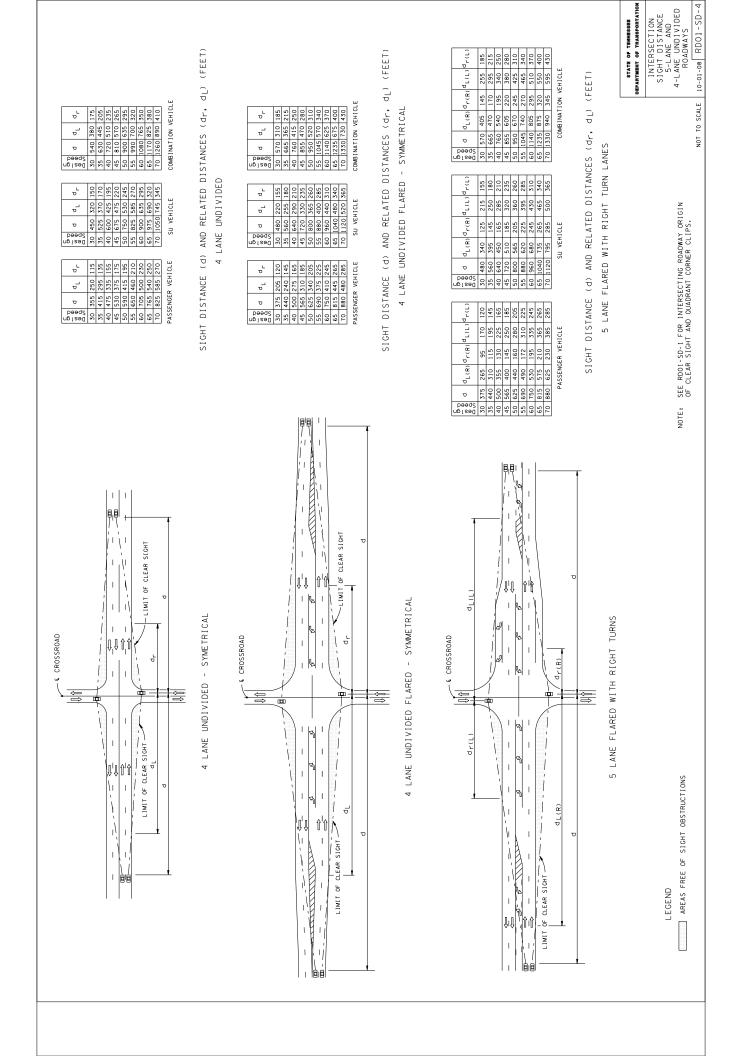
STATE OF TEMMESSEE DEPARTMENT OF TRAMSPORTATION

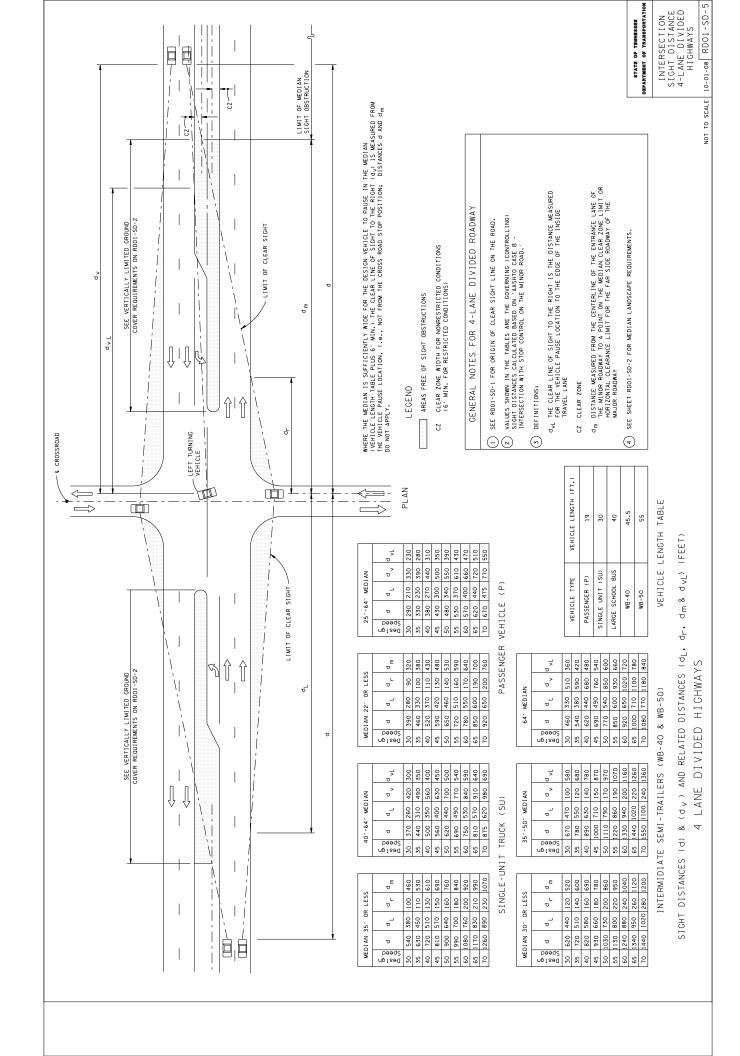
SEE RD01-SD-1 FOR INTERSECTING ROADWAY ORIGIN OF CLEAR SIGHT AND OUADRANT CORNER CLIPS.

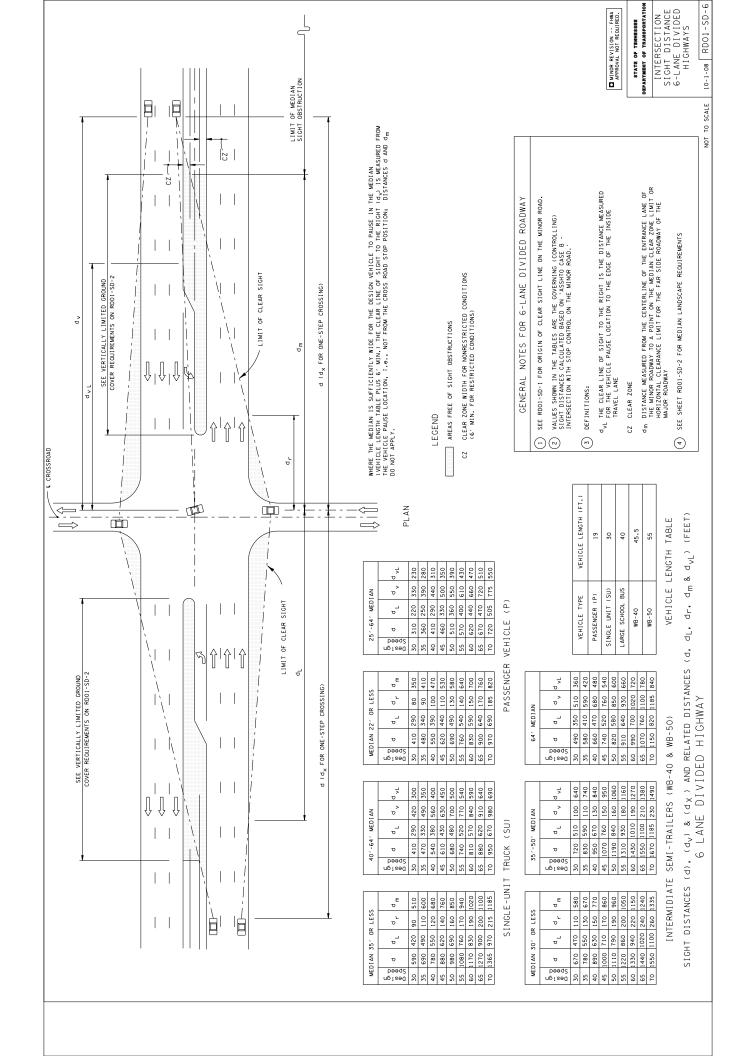
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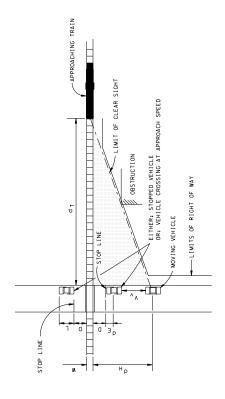
AREAS FREE OF SIGHT OBSTRUCTIONS

LEGEND

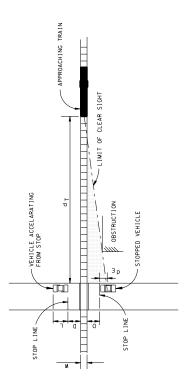








CASE A APPROACHING VEHICLE TO SAFELY CROSS OR STOP AT RAILROAD CROSSING (FOR CLARITY RIGHT OF WAY LINES ARE NOT SHOWN FOR THE OTHER QUADRANTS)



CASE B
VEHICLE DEPARTING FROM STOPPED POSITION TO SAFELY CROSS RAILROAD TRACK (FOR CLARITY RIGHT OF WAY LINES ARE NOT SHOWN FOR THE OTHER QUADRANTS)

AREAS FREE OF SIGHT OBSTRUCTIONS

DESIGN SIGHT DISTANCES FOR COMBINATIONS OF TRAIN AND HIGHWAY VEHICLE SPEEDS

CONDITIONS: SINGLE REN TRACK 90° CROSSING DESIGN VEHICLE WB-67 FLAT HIGHWAY GRADES PASSIVE CROSSING			09	DISTANCE ALONG RAILROAD FROM CROSSING. d T (FT)	111	222	333	444	522	999	777	888	666	ء ا	589
			50		105	509	314	419	524	628	733	838	943	16. d _H (F)	447
	31		40		100	200	300	401	501	601	101	801	901	RR CROSSII	324
	CASE A MOVING VEHICLE	VEHICLE SPEED (MPH)	30		66	198	297	396	494	593	692	791	890	VAY FROM F	220
			20		106	212	318	424	530	636	742	848	954	ONG HIGH	135
			10		146	293	439	585	732	878	1024	1171	PPING SIGHT DISTANCE A	STANCE AL	69
	CASE B VEHICLE DEPARTURE FROM STOP		0		240	480	721	196	1201	1441	1681	1921		STOPPING SIGHT DISTANCE ALONG HIGHWAY FROM RR CROSSING, d_H (FT)	
	TRAIN SPEED (MPH) TS				10	20	30	40	20	09	70	80	06	ST0	

GENERAL NOTES

- (1) SIGHT DISTANCES ARE REQUIRED IN ALL QUADRANTS OF THE CROSSING.

 CORRECTIONS MUST BE FOR CONDITIONS OTHER THAN SHOWN IN THE TABLE. SUCH AS, MULTIPLE RAILS, SKEW, SCRODING AND DESCENDING AND CHANGATUBE (HIGHWAY'S AND RAILS. FOR CONDITION ADJUSTMENTS AND ADDITIONAL INFORMATION REFER TO RAILRADH-HIGHWAY GRADE CROSSINGS UNDER CHAPTER 9 OF "A POLLCY ON GEOMETRIC DESIGNOR HIGHWAYS AND STREETS", ABSHIO 2001.
 - 3 DEFINITIONS
- d_H = SIGHT-DISTANCE LEC ALONG HICHMAY ALLONS A VEHICLE PROCEEDING TO SPEED V, TO CROSS TRACKS EVEN THOUGH A TRAIN IS OBSERVED AT A DISTANCE OF RROW HEJ CROSSING OR TO STOP THE VEHICLE WITHOUT ENVENDEMENT OF THE CROSSING AREA IFT).
 - SPEED OF THE VEHICLE (MPH)
 - " >[>]
- DISTANCE FROM THE STOP LINE OR FRONT OF THE VEHICLE TO THE NEAREST RAIL, WHICH IS ASSUMED TO BE 15 FT. DISTANCE BETWEEN OUTER RAILS (FOR A SINGLE TRACK, THIS VALUE IS 5 FT.) = M = 0
- DISTANCE FROM THE DRIVER TO THE FRONT OF THE VEHICLE, WHICH IS ASSUMED TO BE 8 FT. : 3p
 - LENGHT OF VEHICLE, WHICH IS ASSUMED TO BE 65 FT.
- SIGHT DISTANCE ALONG RR TRACK
- = DESIGNER SHOULD OBTAIN THIS INFORMATION FROM THE UTILITIES OFFICE

MINOR REVISION -- FHWA APPROVAL NOT REQUIRED.

STATE OF TEMMESSEE DEPARTMENT OF TRAMSPORTATION

INTERSECTION
SIGHT DISTANCE FOR
PASSIVE RAILROAD
HIGHWAY GRADE
CROSSINGS 10-1-08 RD01-SD-7

NOT TO SCALE