

# Sight Distance Study

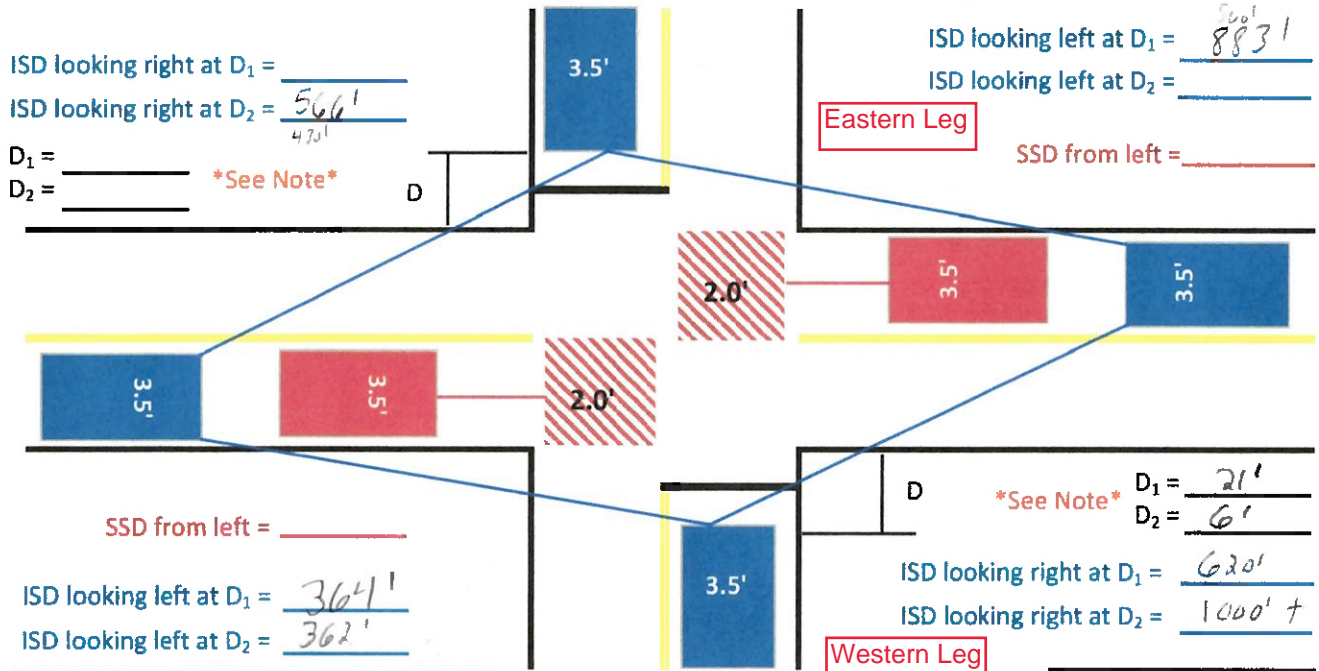
Date: 12/11/23

Location: HIG-50/134

Study: #     

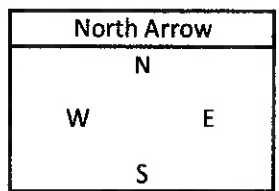
Observers: J. Smith & C. Mitten

Reason for analysis: Public Complaint



**Note:**  
 D = The distance from the edge of the traveled way of the major road to the decision point.  
 $D_1$  = The distance should be a minimum of 14.1' - 17.8' preferred. (L&D)  
 $D_2$  = The distance commonly observed in the field that drivers are sitting from the edge of the traveled way.

\* Label road names and draw North arrow.  
 Draw in drives with distances if necessary.  
 Describe what is blocking the sight distance,  
 Ex. vegetation, guardrail, etc.



Speed Limit	Minimum Standard (Left) <sup>1</sup>	Maximum Measured (Left)	Minimum Standard (Right)	Maximum Measured (Right)
MPH = <u>    </u>	SSD = <u>360'</u>	SSD = <u>302'</u>	SSD = <u>    </u>	SSD = <u>    </u>
MPH = <u>45</u>	ISD = <u>500'</u>	$D_1$ ISD = <u>364'</u> $D_2$ ISD = <u>362'</u>	ISD = <u>430'</u>	$D_1$ ISD = <u>620'</u> $D_2$ ISD = <u>1000'+</u>

Recommendations:	Design standards from L&D Manual.			
	Legal Speed (mph)	SSD	ISD (Lt.)	ISD (Rt.)
	25	155'	225'	195'
	30	200'	280'	240'
	35	250'	390'	335'
	40	305'	445'	385'
	45	360'	500'	430'
	50	425'	555'	480'
	55	495'	610'	530'

\* NOTE: If intersection sight distance cannot be provided due to environmental or right-of-way constraints, then as a minimum, the stopping sight distance for vehicles on the major road should be provided.