Welcome to FAZSIGHT

Submitting this properly, completed input sheet will faithfully implement the American Association of State Highway and Transportation Officials 2011's "A Policy on Geometric Design of Highways and Streets" procedure to obtain sight distances at intersections. Please read disclaimer below. Using FAZSIGHT, one can design safer traffic operations at intersections. One can determine obstruction distances that will provide sufficient safe stopping or slowing sight distances for drivers.

For further information on a particular input variable, click its link on this form.

To load data from a previously saved session, GO TO BOTTOM to browse and load.

To return to main menu, **MENU**.

To logout, **LOGOUT**.

General Information
Analyst Any_Name
Agency/Co. Fazio_Engineerware
Date Performed 30February2018
Major Approach Highway Name North_Ave.
Minor Approach Highway Name York_Road
Jurisdiction> Any_jurisdiction
Forecast Year 2018

Inputs:

Intersection Control

Case A - Intersections with no control

Case B - Intersections with stop control on the minor road

Case B1 - Left turn from the minor road

Case B2 - Right turn from the minor road

Case B3 - Crossing maneuver from the minor road

Case C - Intersections with yield control on the minor road

Case C1 - Crossing maneuver from the minor road

Case C2 - Left or right turn from the minor road

Case D - Intersections with traffic signal control

Case E - Intersections with all-way stop control

Case F - Left turns from the major road

Case A

CASE A - INTERSECTIONS WITH NO CONTROL

Major Road
Design speed, mi/h 50
Approach grade left of decision point, % +4
Approach grade right of decision point, % -4
Median width, ft, if any 0
Number of approach lanes left of decision point, ln 2
Average lane width, ft 12

Minor Road
Design speed, mi/h 45
Subject approach grade, %
-3 to +3

Sight obstruction left of decision point
Lateral obstruction distance, ft, from minor approach driver
80
OR
Lateral obstruction distance, ft, from major approach driver
0

Sight obstruction right of decision point
Lateral obstruction distance, ft, from minor approach driver
0
OR
Lateral obstruction distance, ft, from major approach driver
80

CASE B - INTERSECTIONS WITH STOP CONTROL ON MINOR ROAD

Major Road
Design speed, mi/h 50
Median width, ft, if any 0
Number of approach lanes left of decision point, ln 1
Average lane width, ft 12

Minor Road
Design vehicle
Passenger Car
Subject approach grade, %
-3 to +3
Distance driver eye to major road edge, ft 18 (desirable)

Sight obstruction left of decision point
Lateral obstruction distance, ft, from minor approach driver
0
OR
Lateral obstruction distance, ft, from major approach driver
0

Sight obstruction right of decision point
Lateral obstruction distance, ft, from minor approach driver
0
OR
Lateral obstruction distance, ft, from major approach driver
0

CASE C - INTERSECTIONS WITH YIELD CONTROL ON MINOR ROAD

Major Road
Design speed, mi/h 45
Median width, ft, if any 0
Number of approach lanes left of decision point, ln 1
Average lane width, ft 12

Minor Road
Design speed, mi/h 45
Design vehicle
Passenger Car
Subject approach grade, %
-3 to +3

Sight obstruction left of decision point
Lateral obstruction distance, ft, from minor approach driver
0
OR
Lateral obstruction distance, ft, from major approach driver
0

Sight obstruction right of decision point
Lateral obstruction distance, ft, from minor approach driver
0
OR
Lateral obstruction distance, ft, from major approach driver
0

CASE D - INTERSECTIONS WITH TRAFFIC SIGNAL CONTROL

Major Road
Design speed, mi/h 50
Median width, ft, if any 0
Number of approach lanes left of decision point, ln 1
Average lane width, ft 12

Minor Road
Design vehicle
Passenger Car
Subject approach grade, %
-3 to +3
Distance driver eye to major road edge, ft 18 (desirable)

Sight obstruction left of decision point
Lateral obstruction distance, ft, from minor approach driver
0
OR
Lateral obstruction distance, ft, from major approach driver
0

Sight obstruction right of decision point
Lateral obstruction distance, ft, from minor approach driver
0
OR
Lateral obstruction distance, ft, from major approach driver
0

CASE E - INTERSECTIONS WITH ALL-WAY STOP CONTROL

No further input data are required for results.

CASE F - LEFT TURNS FROM MAJOR ROAD

Major Road
Design speed, mi/h 50
Design vehicle
Passenger Car
Median width, ft, if any 0
Number of opposing through lanes, ln 1

TOP

SUBMIT

To calculate, press **SUBMIT** button. Results appear at bottom of page.

To Save or Load Inputs For Later Usage:

NOTE: Save and load features may not work in some browsers. Enable JavaScript.

Filename to Save As:
Save Text to File
Select a File to Load: Browse... No file selected.
Load Selected File

To return to main menu, **MENU**.

To logout, **LOGOUT**.

DISCLAIMER: FAZSIGHT is a faithful implementation in that FAZSIGHT produced values which corresponded very closely with AASHTO 2011 Green Book calculated values. FAZSIGHT cannot guarantee 100% that other calculated values will produce accurate results. If the user suspects erroneous FAZSIGHT results, the user should perform manual calculations. If discrepancies exist between FAZSIGHT and manual calculations, the user should report such discrepancies to Fazio Engineerware.