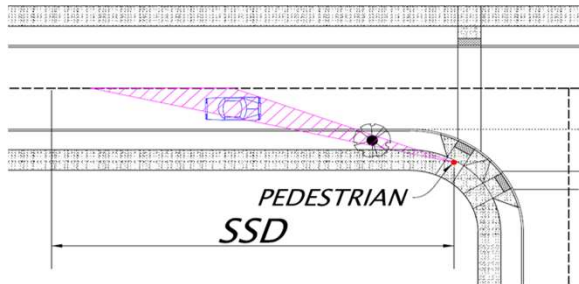


ODOT Tree Sightline Analysis

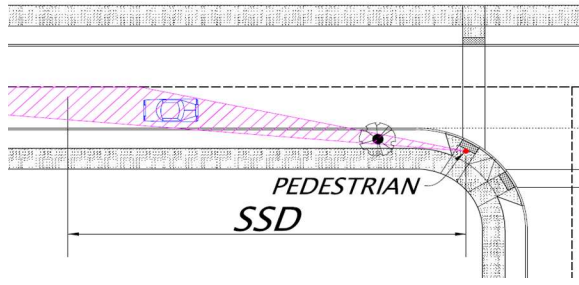
Analysis Methods

ISD = Intersection Sight Distance
SSD = Stopping Sight Distance

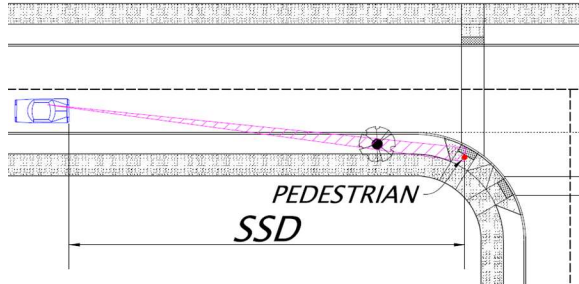
Method 1: Pedestrian at the top of the landing. Pedestrian should be able to see approximately 50% or more of the front of the approaching vehicle within stopping sight distance.



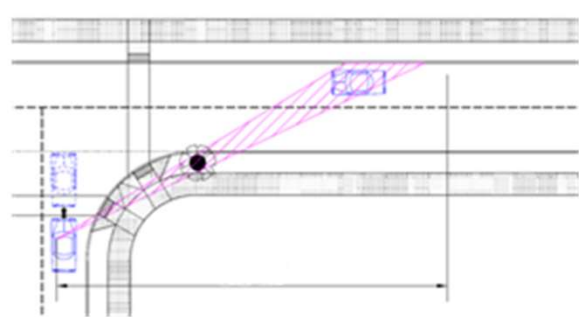
Method 2: Pedestrian at the back of the truncated domes. Pedestrian should be able to see approximately 50% or more of the front of the approaching vehicle within stopping sight distance.



Method 3: No tree should be placed in the sight triangle such as to block the drivers visibility within stopping sight distance of the pedestrian standing at the back of the truncated domes.

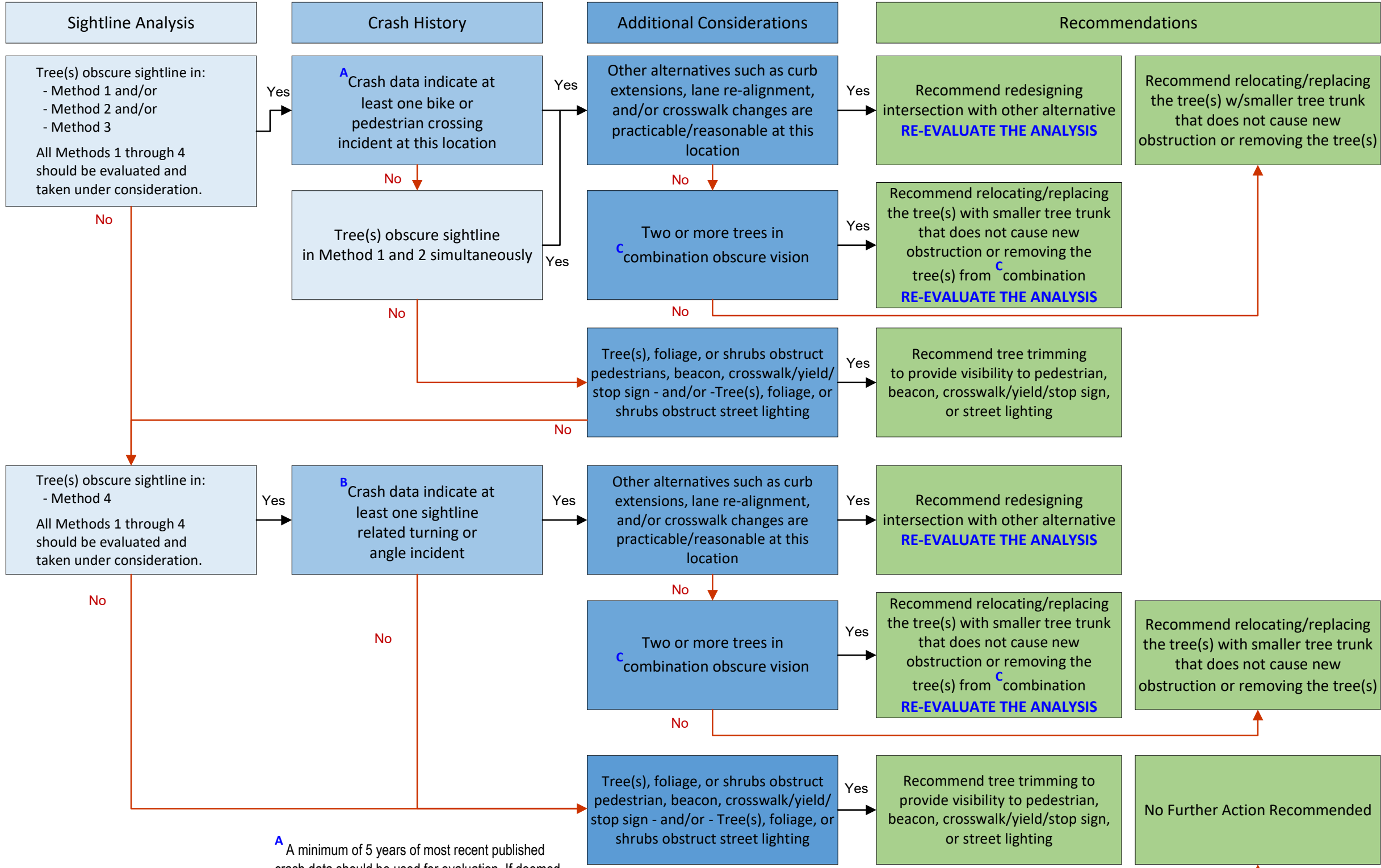


Method 4: Driver at the side street, stopped at stop bar, crosswalk, or stop sign. The driver should be able to see approximately 50% or more of the front of the approaching vehicle within ISD (SSD minimum). There should be improved visibility once the driver moves forward to the edge of the travel lane, after checking that there are no pedestrians using crosswalk.



Pedestrian Driven Analysis

Vehicle Driven Analysis



- Check with the local &/or state forestry department whether the tree(s) have been identified &/or scheduled for removal.
- The acceptability of low shrubs that do not cover the visibility for pedestrian or driver is up to the discretion of an engineer.

A A minimum of 5 years of most recent published crash data should be used for evaluation. If deemed necessary/appropriate, crash data can be supplemented with less recently published crash data (e. g. project programmed data). If an engineer becomes aware of more recent relevant crash that have not been yet published, this crash should also be added to crash data used for evaluation.

Crash data should clearly indicate collision between vehicle and bicycle or pedestrian crossing the street at marked or unmarked crosswalk in question. Engineering judgment should be made for the use of other crashes that are indicative of pedestrian/car or car/pedestrian sight impairment cause.

B A minimum of 5 years of most recent published crash data should be used for evaluation. If deemed necessary/appropriate, crash data can be supplemented with less recently published crash data (e. g. project programmed data). If an engineer becomes aware of more recent relevant crash that have not been yet published, this crash should also be added to crash data used for evaluation.

C When analysis identifies more than one tree trunk obscuring vision for pedestrians or vehicles - one tree at a time should be removed from combination until visibility is obtained. Analysis should be re-evaluated and documented after each tree is removed.

