

Choke Point Methodology

Purpose:

The purpose of this exercise is to establish the relational zone associated with the students in which the condition will be impacted by a perceived hazardous condition. The Florida Department of Education requires that individual students be determined to be effected by the Hazardous Condition. This can only be done by the creation of a polygon boundary that represents the impacted walking area associated with each Hazardous Condition. The actual students who ride the bus inside these impacted areas will thus qualify for State FTE reimbursement.

Method of Determination:

STEP 1: Locate and determine the extent of the perceived Hazardous Walking Condition as determined for meeting the State Criteria for parallel or perpendicular condition.

STEP 2: Determine the exact location (point) along with walking route that represents the closest walking point to the school.

STEP 3: Perform a walking analysis from that location (point) as defined in STEP 2 traveling away from the school out to the edge of the formal 2-mile (FTE reimbursement) walking boundary from the school.

STEP 4: This walking analysis should ultimately create a polygon boundary representing all the residential/commercial parcels that would be impacted by the particular location (point) created in STEP 2. This boundary should represent the residential/commercial parcels that would reasonably walk past this location (point) on their walking route to school. The analysis should evaluate reasonable routes that students might utilize to bypass the perceived hazardous condition. See examples below:

NOTE: Blue circles represent choke points and blue dashed lines represent impact zones

