761—812.2(307) **Classification.** Crossings shall be classified using the Federal Railroad Administration's predicted accident methodology.

812.2(1) The following formula is used to calculate an initial accident prediction for a crossing:

$$a = K \times EI \times DT \times MS \times MT \times HP \times HL$$

where:

a = initial accident prediction, in accidents per year at the crossing

K = formula constant

EI = factor for exposure index based on product of highway and train traffic

DT = factor for number of through trains per day during daylight

MS = factor for maximum timetable speed

MT = factor for number of main tracks

HP = factor for highway paved (yes or no)

HL = factor for number of highway lanes

812.2(2) A final predicted accident rate is then calculated from the initial prediction using the most recent five years of accident data for that crossing.

812.2(3) On or before October 1 of each year, the department shall furnish to each highway authority and railroad in Iowa a list of its crossings ranked by final predicted accident rate.