What are Safety Performance Functions?

• Mathematical Regression Models for Roadway Segments and Intersections
• Developed from data for a number of similar sites
• Developed for specific site types and “base conditions”
• Function of only a few variables, primarily Annual Average Daily Traffic
• Used to calculate the expected crash frequency (crashes/year) for a set of base geometric and traffic control conditions

Thank you to FDOT District One for this page content, adapted from the Safety Academy.