

Description of Traffic Signal Warrants

Warrant 1: Eight-Hour Vehicular Volume

This warrant has two different conditions, each with its own volume criteria. The first condition (Minimum Vehicular Volume) applies to locations with a large volume of traffic on the minor street. The second condition (Interruption of Continuous Traffic) applies when the major street traffic is so heavy as to cause excessive conflict and delay when entering or crossing the major street. Satisfaction of either condition will satisfy the warrant.

Warrant 2: Four-Hour Vehicular Volume

The Four-Hour Vehicular Volume signal warrant conditions are intended to be applied where the volume of intersecting traffic is the principal reason to consider installing a traffic signal.

Warrant 3: Peak Hour

This traffic signal warrant is for locations where the minor street traffic suffers undue delay when entering or crossing the major street for a minimum of one hour of an average day. It is applied only for unusual cases, such as office complexes or manufacturing plants that attract or discharge large numbers of vehicles over a short period of time.

Warrant 4: Pedestrian Volume

This applies to intersections where the major street traffic volume is so heavy that pedestrians experience excessive delay in crossing the major street.

Warrant 5: School Crossing

This is to justify traffic signals whose primary reason for existence is that school children cross the major street.

Warrant 6: Coordinated Signal System

Signals justified by this warrant exist to maintain proper grouping of vehicles to facilitate the flow of traffic through the coordinated traffic signal system.

Warrant 7: Crash Experience

The Crash Experience warrant is used when the severity and frequency of crashes are the principle reasons to consider installing a traffic signal.

Warrant 8: Roadway Network

The purpose of a traffic signal installed under this warrant is to encourage concentration and organization of traffic flow on a roadway network.