**New Traffic Signal**

**What is a new traffic signal?**

» A traffic signal is the red-yellow-green intersection control device that tells people walking, biking, and driving when to go and when to stop. Often they are referred to as traffic lights or stop lights. A new traffic signal transforms an existing intersection that is either uncontrolled or controlled by stop signs into a fully signalized intersection.

**What are its purpose and benefits?**

» Reduces conflicts and confusion at intersections for all users and provides people walking with dedicated crossing opportunities.

» Safely manage high volumes of traffic at intersections.

» Reduces the frequency and severity of certain types of crashes, especially right-angle crashes (crashes resulting from an oncoming vehicle “t-boning” a turning vehicle).¹

» Stops heavy traffic at certain periods to permit people to cross.¹

» Provides order at intersections with a high number of conflicts between people walking, biking, and driving.

**Where should this safety tool be used?**

» At busy intersections with a high volume of vehicle and/or foot traffic in all directions.¹

» At intersections with a high number of right angle crashes.¹

**What else should I know about new traffic signals?**

» Requires a detailed engineering study that includes evaluation of crash history and traffic flow.


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**Costs**

- LOW
- MED
- HIGH

**Timeframe**

- SHORT
- MED
- LONG

**Effectiveness**

- LOW
- MED
- HIGH

**CRASH REDUCTION FACTOR**

New Traffic Signals have been shown to reduce crashes by as much as 25%.²