WIRELESS HAWK MID-BLOCK PEDESTRIAN CROSSING

Part of the Intelight Complete Traffic Framework

Module Overview

- Signal operation is compliant with the proposed MUTCD 2010 standard.
- 2070 Controller certified by CALTRANS for TEES 2009 compliance.
- Signals are monitored by standard ITS Cabinet CMU (Cabinet Monitor Unit) manufactured by EDI. The CMU provides: lack of signal monitoring, conflict monitoring, short clearance checking, and field checking. Signal head current is monitored directly without requiring leakage resulting in increased power efficiency.
- MaxTime signal control software provides complete NTCIP 1202 functionality and is configurable form either a handheld remote front panel or a web based user interface.
- System will support any LED module

Solar Powered Wireless Option

- No Trenching required. Signal heads communicate with each other wirelessly using 900MHz spread spectrum radios utilizing 256 bit AES encryption. Each side of the street is powered independently using a separate solar panel, solar change controller, and 24V batter supply.
- Signal fault state is user configurable (flashing yellow or flashing red) in the event of a CMU fault or lack of radio communication.
- 2070 controller is configured with an ultra-efficient DC/DC power supply eliminating all AC/DC and DC/AC inverters.

AC Powered Wireless Option

- Provides the flexibility of wireless communication with AC power. The signal heads, wireless signal cards and 2070 controller are powered by independent AC to 24 VDC converters on each side of the street

AC Powered Wired Option

- Wireless controller cards are not used. Independent power sources and cabinets on each side fo the street are not required.
- Signals are driven directly by the Intelight 2070 2X Eight Channel Load Module which provides LED load switching and current monitoring in a single compact unit.

Emergency Vehicle Hybrid Signal

- Could be used for the Intelight emergency-vehicle hybrid signal.