

# Traffic Technology at Intersections

## 1 Dual Mode Antenna

The dual mode antenna sends traffic signal, traffic video and Bluetooth reader information back to the Roads and Traffic Operations Centre.

## 2 Traffic Control Signals

Red, amber and green signals to direct traffic.

## 3 Pedestrian Push Button

When pressed will display pedestrian signal.

## 4 Red Light Camera

Installed to photograph motorists running red lights.

## 5 Street Lights

Provides lighting during periods of low light.

## 6 Traffic Camera

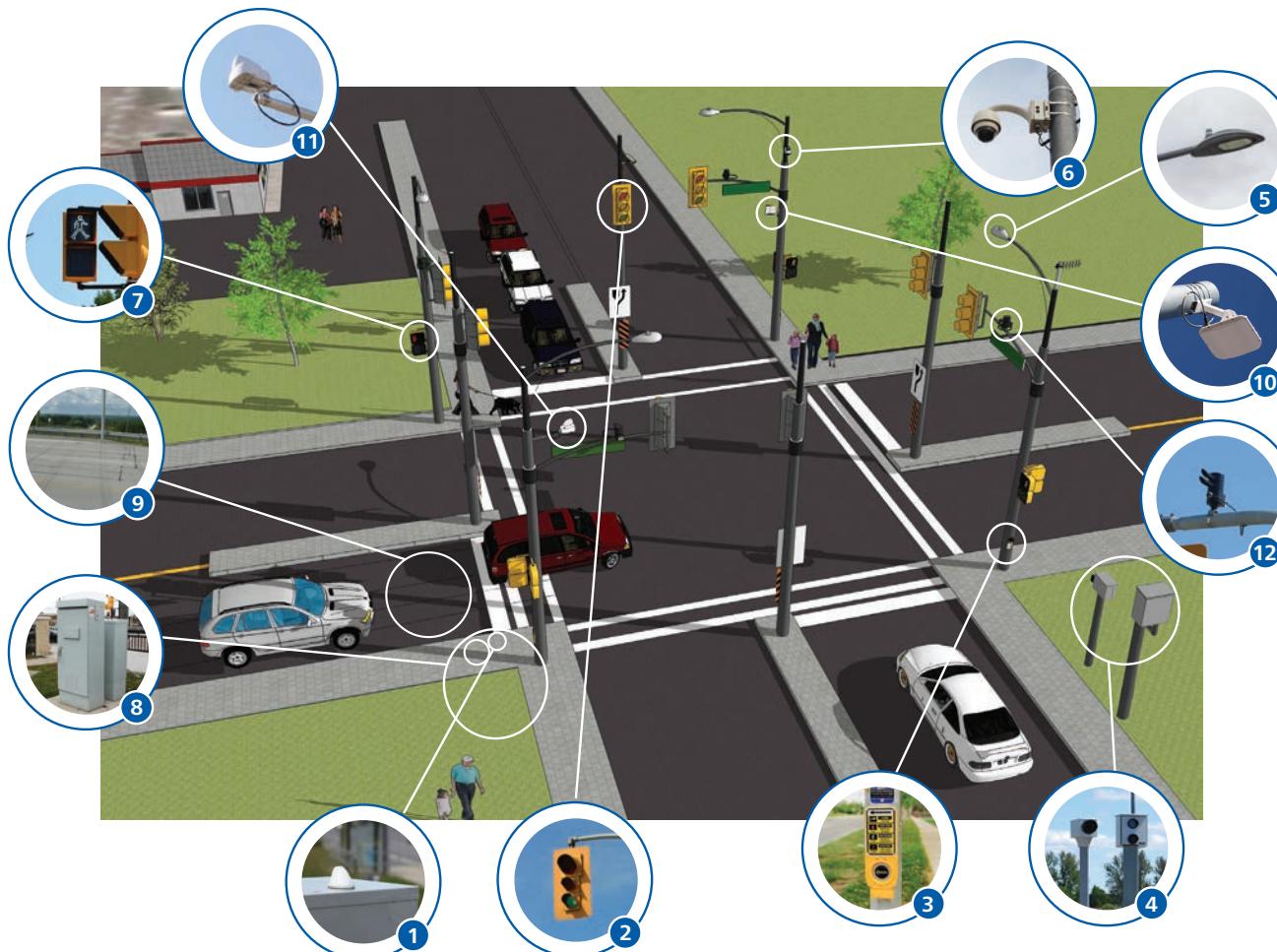
Remote video monitoring to respond to incidents. Video is not recorded, live feed only.

## 7 Pedestrian Signals

Pedestrian right of way is detected and displayed visually and/or audibly. The countdown shows how much time is remaining to cross the street.

## 8 Controller Cabinet

Cabinet that holds the traffic signal control equipment.



## Vehicle Detectors

### 9 Ground Detection Loops

Cables embedded in the roadway to detect the presence of vehicles.

### 10 Radar Image Detection

Pole mounted vehicle detection using radar imaging.

## Transit and Emergency Vehicle Detectors

### 11 Optical GPS and Radio

Detects transit vehicles using optical GPS and radio, changes the signal to provide the right of way.

### 12 Optical Infrared

Detects fire, ambulance and transit vehicles using optical infrared and changes the signal to provide right of way.