

Safe Pedestrian Crossing

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atstraffic.ca | Since 1966



Safe Pedestrian Crossing



INTRODUCTION

ATS Traffic is Canada's best choice for traffic control. For over 50 years, we've worked with businesses and communities to keep workers, drivers, and pedestrians safe on the roads.

The most common problems with intersections are driver speed and visibility. We can solve both with the Pedestrian Crossing solution. By lowering risk and improving visibility, we can keep people safe while they're moving through intersections, crosswalks, school zones, and multi-way stops.



No matter how low a city's traffic injury and fatality rates might be, not even one death is acceptable. That's why we're working with Vision Zero Canada to bring your community's number down to zero.

Through our Vision-Zero-certified products, initiatives, and Advocacy Program, we'll understand your needs and identify opportunities to reduce injuries and deaths in problem areas. If we work together, we can make it happen not just for your community, but for communities everywhere.

Pedestrian Treatment Matrix

MARKED CROSSWALKS

ENHANCEMENT OPTIONS

Pavement Marking & Ground-Mounted Systems

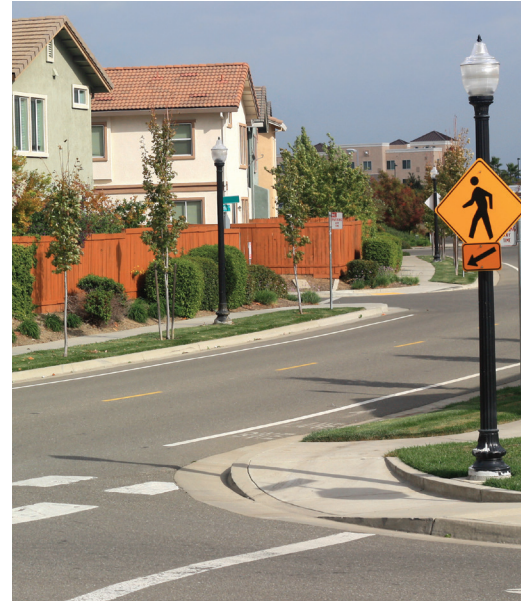
Brightside Post Insert	V
LaneLight In-Road Warning Lights	A G S V
Metro Flexible Bollard Marker	A G V
Omni-Ped	A G S V
Ped-in-a-Bag	A G S V
RoadQuake 2F Folding Temporary Rumble Strip	A S
Temporary Raised Pavement Marker	A S
Thermoplastic Pavement Markings	A G

LED Signs & Flashing Beacons

BlinkerSign Solar Flashing Pedestrian Crosswalk Sign	A V
BlinkerSign Solar LED Flashing Stop Sign	A
BlinkerSign Stop Ahead LED	A
Driver Feedback Sign	A D E S
Flashing LED Stop Sign	A
Enhanced RA-5 RRFB Combo	A V
Pedestrian-Activated Single Beacon	A S V
Solar Rectangular Rapid Flashing Beacon (RRFB)	A S V
Solar School Zone Flashing Beacon	A
Vehicle-Activated Traffic-Calming Sign (VATCS)	A S

Intelligent Traffic Systems & Data Capture

Houston Radar SpeedLane	D E
Q-Free TDC Cycle & Pedestrian Monitoring	D E
Sensys Bicycle Detection	D
Sensys Traffic Data	D
Ver-Mac SP3248V Speed Sign, Traffic Sensors & JamLogic	A D E S
Ver-Mac Speed-Mac	D E



Marked crosswalks are used where vehicle volume is light (400–2,000 vehicles per hour) and the posted speed limit is under 60 kilometres per hour.

ADDED VALUE

Find out how each product can help keep pedestrians safe.

- A** Advance Yield
- D** Data Collection
- E** Enforcement
- G** Pedestrian Guidance
- S** Speed Reduction
- V** Pedestrian Visibility

ZEBRA MARKED CROSSWALKS

ENHANCEMENT OPTIONS

Pavement Marking & Ground-Mounted Systems

Brightside Post Insert	V
LaneLight In-Road Warning Lights	A G S V
Metro Flexible Bollard Marker	A G V
Omni-Ped	A G S V
Ped-in-a-Bag	A G S V
RoadQuake 2F Folding Temporary Rumble Strip	A S
Temporary Raised Pavement Marker	A S
Thermoplastic Pavement Markings	A G
Tuff Curb	A G

LED Signs & Flashing Beacons

BlinkerSign Solar Flashing Pedestrian Crosswalk Sign	A V
BlinkerSign Solar LED Flashing Stop Sign	A
BlinkerSign Stop Ahead LED	A
Driver Feedback Sign	A D E S
Flashing LED Stop Sign	A
Enhanced RA-5 RRFB Combo	A V
Pedestrian-Activated Single Beacon	A S V
Solar Rectangular Rapid Flashing Beacon (RRFB)	A S V
Solar School Zone Flashing Beacon	A
Vehicle-Activated Traffic-Calming Sign (VATCS)	A S

Intelligent Traffic Systems & Data Capture

Houston Radar SpeedLane	D E
Q-Free TDC Cycle & Pedestrian Monitoring	D E
Sensys Bicycle Detection	D
Sensys Traffic Data	D
Ver-Mac SP3248V Speed Sign, Traffic Sensors & JamLogic	A D E S
Ver-Mac Speed-Mac	D E



Zebra marked crosswalks are used at mid-block and right-turn crossing points and non-standard or offset intersections where drivers don't expect pedestrians.

ADDED VALUE

Find out how each product can help keep pedestrians safe.

- A** Advance Yield
- D** Data Collection
- E** Enforcement
- G** Pedestrian Guidance
- S** Speed Reduction
- V** Pedestrian Visibility

PEDESTRIAN-ACTIVATED AMBER FLASHERS

ENHANCEMENT OPTIONS

Pavement Marking & Ground-Mounted Systems

Brightside Post Insert	V
In-Street Pedestrian Crosswalk Sign	A G S V
LaneLight In-Road Warning Lights	A G S V
Metro Flexible Bollard Marker	A G V
Omni-Ped	A G S V
Ped-in-a-Bag	A G S V
RoadQuake 2F Folding Temporary Rumble Strip	A S
Temporary Raised Pavement Marker	A S
Thermoplastic Pavement Markings	A G

LED Signs & Flashing Beacons

BlinkerSign Solar LED Flashing Stop Sign	A
BlinkerSign Stop Ahead LED	A
Driver Feedback Sign	A D E S
Flashing LED Stop Sign	A
Pedestrian-Activated Single Beacon	A S V
Solar School Zone Flashing Beacon	A
Vehicle-Activated Traffic-Calming Sign (VATCS)	A S

Intelligent Traffic Systems & Data Capture

Houston Radar SpeedLane	D E
Q-Free TDC Cycle & Pedestrian Monitoring	D E
Sensys Bicycle Detection	D
Sensys Traffic Data	D
Ver-Mac SP3248V Speed Sign, Traffic Sensors & JamLogic	A D E S
Ver-Mac Speed-Mac	D E



Activated amber flashers warn drivers to slow down and stop for pedestrians, improving safety and visibility in areas with medium to high traffic.

ADDED VALUE

Find out how each product can help keep pedestrians safe.

- A** Advance Yield
- D** Data Collection
- E** Enforcement
- G** Pedestrian Guidance
- S** Speed Reduction
- V** Pedestrian Visibility

PEDESTRIAN-ACTIVATED SIGNALS

ENHANCEMENT OPTIONS

Pavement Marking & Ground-Mounted Systems

Brightside Post Insert	V
In-Street Pedestrian Crosswalk Sign	A G S V
LaneLight In-Road Warning Lights	A G S V
Metro Flexible Bollard Marker	A G V
Omni-Ped	A G S V
Ped-in-a-Bag	A G S V
RoadQuake 2F Folding Temporary Rumble Strip	A S
Temporary Raised Pavement Marker	A S
Thermoplastic Pavement Markings	A G

LED Signs & Flashing Beacons

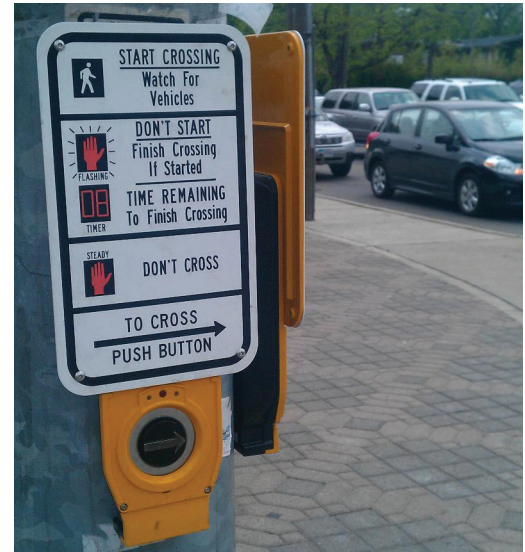
Driver Feedback Sign	A D E S
Pedestrian-Activated Single Beacon	A S V
Solar School Zone Flashing Beacon	A
Vehicle-Activated Traffic-Calming Sign (VATCS)	A S

Intelligent Traffic Systems & Data Capture

Houston Radar SpeedLane	D E
Q-Free TDC Cycle & Pedestrian Monitoring	D E
Sensys Bicycle Detection	D
Sensys Traffic Data	D
Ver-Mac SP3248V Speed Sign, Traffic Sensors & JamLogic	A D E S
Ver-Mac Speed-Mac	D E

Overhead Traffic Signals

Other Signal Options	
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These green, amber, or red traffic lights are activated by a button on the pedestal. Once the signal is activated, vehicles must come to a full stop.

The signal can be coordinated with nearby signals so the red light doesn't activate right away.

This is the highest available level of protection for pedestrians. It's used on arterial roads where the posted speed is 60 kilometres per hour or over.

ADDED VALUE

Find out how each product can help keep pedestrians safe.

- A** Advance Yield
- D** Data Collection
- E** Enforcement
- G** Pedestrian Guidance
- S** Speed Reduction
- V** Pedestrian Visibility

ADVANCE YIELD

ENHANCEMENT OPTIONS

Pavement Marking & Ground-Mounted Systems

Brightside Post Insert	V
In-Street Pedestrian Crosswalk Sign	A G S V
LaneLight In-Road Warning Lights	A G S V
Metro Flexible Bollard Marker	A G V
Omni-Ped	A G S V
Ped-in-a-Bag	A G S V
RoadQuake 2F Folding Temporary Rumble Strip	A S
Sentinel Between-Car Barriers	A G S
SlowStop Bollards	A G S
Temporary Raised Pavement Marker	A S
Thermoplastic Pavement Markings	A G
Tuff Curb	A G

LED Signs & Flashing Beacons

BlinkerSign Solar Flashing Pedestrian Crosswalk Sign	A V
BlinkerSign Solar LED Flashing Stop Sign	A
BlinkerSign Stop Ahead LED	A
Driver Feedback Sign	A D E S
Flashing LED Stop Sign	A
Enhanced RA-5 RRFB Combo	A V
Pedestrian-Activated Single Beacon	A S V
Solar Rectangular Rapid Flashing Beacon (RRFB)	A S V
Solar School Zone Flashing Beacon	A
Vehicle-Activated Traffic-Calming Sign (VATCS)	A S

Intelligent Traffic Systems & Data Capture

Houston Radar SpeedLane	D E
Q-Free TDC Cycle & Pedestrian Monitoring	D E
Sensys Bicycle Detection	D
Sensys Traffic Data	D
Ver-Mac SP3248V Speed Sign, Traffic Sensors & JamLogic	A D E S
Ver-Mac Speed-Mac	D E



Advance yield markings are noted by a thick white line or white triangles spanning a road. They indicate where vehicles must yield for an upcoming crosswalk.

These markings improve safety and visibility by making drivers stop far enough back that they don't block the pedestrian's view of other vehicle lanes.

ADDED VALUE

Find out how each product can help keep pedestrians safe.

- A** Advance Yield
- D** Data Collection
- E** Enforcement
- G** Pedestrian Guidance
- S** Speed Reduction
- V** Pedestrian Visibility

REFUGE ISLANDS & MEDIANS

ENHANCEMENT OPTIONS

Pavement Marking & Ground-Mounted Systems

Bike Lane Delineators	A G S
Brightside Post Insert	V
In-Street Pedestrian Crosswalk Sign	A G S V
Metro Flexible Bollard Marker	A G V
Omni-Ped	A G S V
Ped-in-a-Bag	A G S V
RoadQuake 2F Folding Temporary Rumble Strip	A S
Sentinel Between-Car Barriers	A G S
SlowStop Bollards	A G S
Temporary Raised Pavement Marker	A S
Thermoplastic Pavement Markings	A G
Tuff Curb	A G
Tuff Post 4" Flexible Posts	A G

LED Signs & Flashing Beacons

BlinkerSign Solar Flashing Pedestrian Crosswalk Sign	A V
BlinkerSign Solar LED Flashing Stop Sign	A
BlinkerSign Stop Ahead LED	A
Driver Feedback Sign	A D E S
Flashing LED Stop Sign	A
Enhanced RA-5 RRFB Combo	A V
Pedestrian-Activated Single Beacon	A S V
Solar Rectangular Rapid Flashing Beacon (RRFB)	A S V
Solar School Zone Flashing Beacon	A
Vehicle-Activated Traffic-Calming Sign (VATCS)	A S

Intelligent Traffic Systems & Data Capture

Houston Radar SpeedLane	D E
Q-Free TDC Cycle & Pedestrian Monitoring	D E
Sensys Bicycle Detection	D
Sensys Traffic Data	D
Ver-Mac SP3248V Speed Sign, Traffic Sensors & JamLogic	A D E S
Ver-Mac Speed-Mac	D E



These raised medians are a safe place for pedestrians to wait before they finish crossing the road. By crossing in two stages, they can deal with one direction of traffic flow at a time.

Separating traffic and narrowing lanes might slow down vehicles, but refuge islands are a prove way to reduce pedestrian, head-on, and overtaking crashes.

ADDED VALUE

Find out how each product can help keep pedestrians safe.

- A Advance Yield
- D Data Collection
- E Enforcement
- G Pedestrian Guidance
- S Speed Reduction
- V Pedestrian Visibility

CROSSING GUARDS

ENHANCEMENT OPTIONS

Pavement Marking & Ground-Mounted Systems

Brightside Post Insert	V
In-Street Pedestrian Crosswalk Sign	A G S V
Metro Flexible Bollard Marker	A G V
Omni-Ped	A G S V
Ped-in-a-Bag	A G S V
RoadQuake 2F Folding Temporary Rumble Strip	A S
Sentinel Between-Car Barriers	A G S
SlowStop Bollards	A G S
Temporary Raised Pavement Marker	A S
Thermoplastic Pavement Markings	A G
Tuff Curb	A G
Tuff Post 4" Flexible Posts	A G

LED Signs & Flashing Beacons

BlinkerSign Solar Flashing Pedestrian Crosswalk Sign	A V
BlinkerSign Solar LED Flashing Stop Sign	A
BlinkerSign Stop Ahead LED	A
Driver Feedback Sign	A D E S
Enhanced RA-5 RRFB Combo	A V
Pedestrian-Activated Single Beacon	A S V
Solar Rectangular Rapid Flashing Beacon (RRFB)	A S V
Solar School Zone Flashing Beacon	A
Vehicle-Activated Traffic-Calming Sign (VATCS)	A S

Intelligent Traffic Systems & Data Capture

Houston Radar SpeedLane	D E
Q-Free TDC Cycle & Pedestrian Monitoring	D E
Sensys Bicycle Detection	D
Sensys Traffic Data	D
Ver-Mac SP3248V Speed Sign, Traffic Sensors & JamLogic	A D E S
Ver-Mac Speed-Mac	D E



Crossing guards are often volunteers who help pedestrians, especially students, to safely cross busy intersections. Guards work during active school hours: morning, lunch, and late afternoon.

ADDED VALUE

Find out how each product can help keep pedestrians safe.

- A** Advance Yield
- D** Data Collection
- E** Enforcement
- G** Pedestrian Guidance
- S** Speed Reduction
- V** Pedestrian Visibility

SCHOOL ZONE CROSSINGS

ENHANCEMENT OPTIONS

Pavement Marking & Ground-Mounted Systems

Brightside Post Insert	V
In-Street Pedestrian Crosswalk Sign	A G S V
LaneLight In-Road Warning Lights	A G S V
Metro Flexible Bollard Marker	A G V
Omni-Ped	A G S V
Ped-in-a-Bag	A G S V
RoadQuake 2F Folding Temporary Rumble Strip	A S
SafetyRail ADA-Compliant Pedestrian Barricade	G
Sentinel Between-Car Barriers	A G S
SlowStop Bollards	A G S
Temporary Raised Pavement Marker	A S
Thermoplastic Pavement Markings	A G
Tuff Curb	A G
Tuff Post 4" Flexible Posts	A G

LED Signs & Flashing Beacons

BlinkerSign Solar Flashing Pedestrian Crosswalk Sign	A V
BlinkerSign Solar LED Flashing Stop Sign	A
BlinkerSign Stop Ahead LED	A
Driver Feedback Sign	A D E S
Enhanced RA-5 RRFB Combo	A V
Pedestrian-Activated Single Beacon	A S V
Solar Rectangular Rapid Flashing Beacon (RRFB)	A S V
Solar School Zone Flashing Beacon	A
Vehicle-Activated Traffic-Calming Sign (VATCS)	A S

Intelligent Traffic Systems & Data Capture

Gatekeeper Systems Student Protector	D E
Houston Radar SpeedLane	D E
Q-Free TDC Cycle & Pedestrian Monitoring	D E
Sensys Bicycle Detection	D
Sensys Traffic Data	D
Ver-Mac SP3248V Speed Sign, Traffic Sensors & JamLogic	A D E S
Ver-Mac Speed-Mac	D E



School zones use a mix of dedicated markings and treatments to lower speed limits around schools and playgrounds.

This improves safety by warning drivers about children unexpectedly running into the road.

ADDED VALUE

Find out how each product can help keep pedestrians safe.

- A** Advance Yield
- D** Data Collection
- E** Enforcement
- G** Pedestrian Guidance
- S** Speed Reduction
- V** Pedestrian Visibility

HIGH-VOLUME CROSSINGS

ENHANCEMENT OPTIONS

Pavement Marking & Ground-Mounted Systems

Brightside Post Insert	V
In-Street Pedestrian Crosswalk Sign	A G S V
LaneLight In-Road Warning Lights	A G S V
Metro Flexible Bollard Marker	A G V
Omni-Ped	A G S V
Ped-in-a-Bag	A G S V
RoadQuake 2F Folding Temporary Rumble Strip	A S
SafetyRail ADA-Compliant Pedestrian Barricade	G
Sentinel Between-Car Barriers	A G S
SlowStop Bollards	A G S
Temporary Raised Pavement Marker	A S
Thermoplastic Pavement Markings	A G
Tuff Curb	A G
Tuff Post 4" Flexible Posts	A G

LED Signs & Flashing Beacons

BlinkerSign Solar Flashing Pedestrian Crosswalk Sign	A V
BlinkerSign Solar LED Flashing Stop Sign	A
BlinkerSign Stop Ahead LED	A
Driver Feedback Sign	A D E S
Enhanced RA-5 RRFB Combo	A V
Pedestrian-Activated Single Beacon	A S V
Solar Rectangular Rapid Flashing Beacon (RRFB)	A S V
Solar School Zone Flashing Beacon	A
Vehicle-Activated Traffic-Calming Sign (VATCS)	A S

Intelligent Traffic Systems & Data Capture

Houston Radar SpeedLane	D E
Q-Free TDC Cycle & Pedestrian Monitoring	D E
Sensys Bicycle Detection	D
Sensys Traffic Data	D
Ver-Mac SP3248V Speed Sign, Traffic Sensors & JamLogic	A D E S
Ver-Mac Speed-Mac	D E



High-volume crossings see a large number of vehicle and pedestrian traffic. Locations include malls, hospitals, sports and entertainment venues, urban centres, and transit stations.

These crossings need a wide range of treatments and countermeasures to keep traffic flowing safely and efficiently.










ADDED VALUE

Find out how each product can help keep pedestrians safe.

- A** Advance Yield
- D** Data Collection
- E** Enforcement
- G** Pedestrian Guidance
- S** Speed Reduction
- V** Pedestrian Visibility

HIGH VOLUME CROSSINGS CONTINUED

Overhead Traffic Signals

Trailer-Mounted Traffic Signal: Arm Style	  
Trailer-Mounted Traffic Signal: Mast Style	  
Trolley-Mounted Traffic Signal: Mast System	  
Other Signal Options	

TEMPORARY WORK ZONE CROSSINGS

ENHANCEMENT OPTIONS

Pavement Marking & Ground-Mounted Systems

Brightside Post Insert	V
In-Street Pedestrian Crosswalk Sign	A G S V
LaneLight In-Road Warning Lights	A G S V
Metro Flexible Bollard Marker	A G V
Omni-Ped	A G S V
Ped-in-a-Bag	A G S V
RoadQuake 2F Folding Temporary Rumble Strip	A S
SafetyRail ADA-Compliant Pedestrian Barricade	G
Sentinel Between-Car Barriers	A G S
SlowStop Bollards	A G S
Temporary Raised Pavement Marker	A S
Thermoplastic Pavement Markings	A G
Tuff Curb	A G
Tuff Post 4" Flexible Posts	A G

LED Signs & Flashing Beacons

BlinkerSign Solar Flashing Pedestrian Crosswalk Sign	A V
BlinkerSign Solar LED Flashing Stop Sign	A
BlinkerSign Stop Ahead LED	A
Driver Feedback Sign	A D E S
Enhanced RA-5 RRFB Combo	A V
Pedestrian-Activated Single Beacon	A S V
Solar Rectangular Rapid Flashing Beacon (RRFB)	A S V
Solar School Zone Flashing Beacon	A
Vehicle-Activated Traffic-Calming Sign (VATCS)	A S

Intelligent Traffic Systems & Data Capture

Houston Radar SpeedLane	D E
Q-Free TDC Cycle & Pedestrian Monitoring	D E
Sensys Bicycle Detection	D
Sensys Traffic Data	D
Ver-Mac SP3248V Speed Sign, Traffic Sensors & JamLogic	A D E S
Ver-Mac Speed-Mac	D E



Temporary work zones and roadside construction zones are high-risk areas for workers, drivers, and pedestrians.

Irregular traffic patterns and disruptions are distracting, confusing, and frustrating. That's why traffic partners should work together to plan and implement safety systems that address every problem for every situation.










ADDED VALUE

Find out how each product can help keep pedestrians safe.

- A** Advance Yield
- D** Data Collection
- E** Enforcement
- G** Pedestrian Guidance
- S** Speed Reduction
- V** Pedestrian Visibility

TEMPORARY WORK ZONE CROSSINGS **CONTINUED**

Overhead Traffic Signals

Trailer-Mounted Traffic Signal: Arm Style	  
Trailer-Mounted Traffic Signal: Mast Style	  
Trolley-Mounted Traffic Signal: Mast System	  
Other Signal Options	

Products

PAVEMENT MARKING & GROUND-MOUNTED SYSTEMS

BIKE LANE DELINEATORS

Candlestick upright delineators are visible and reflective for 360 degrees. The curbing system uses glass beads for long-lasting, highly visible ground reflection.

The sleek, low-profile bollard base offers a physical and mental barrier between bikes and vehicles. These delineators are ideal for use in conventional bike lanes, as well as buffered, contra-flow, raised-cycle, and two-way cycle tracks.

A G S



BRIGHTSIDE POST INSERT

Highly reflective accessories like panels, strips, and message centres can help improve driver and pedestrian safety in high-risk areas.

V



IN-STREET PEDESTRIAN CROSSWALK SIGN

By placing a sign at an uncontrolled intersection, you can clearly tell drivers about local laws requiring them to stop for pedestrians. Independent testing has repeatedly proven that these signs are effective; after installation, there were noticeable changes in driver behaviour and the number of collisions.

A G S V

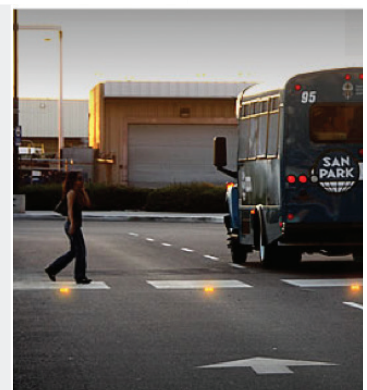


LANELIGHT IN-ROAD WARNING LIGHTS

In-road lights tell drivers that a pedestrian is crossing or about to cross the street. The amber lights are embedded in the pavement on both sides of the crosswalk and positioned to face traffic.

The lights produce daytime-visible light that's directly in the driver's line of sight, clearly indicating the curve, hazard, crosswalk, variable lane, or lane edge. Because the driver doesn't need to interpret this information, they can respond much more quickly.

A G S V



METRO FLEXIBLE BOLLARD MARKER

The marker is a strong, single-piece bollard that uses Impact Recovery Systems' patented reboundable spring. These versatile bollards can be customized to display any message.

A G V



OMNI-PED

Omni-Ped is a highly visible way to tell drivers about local laws requiring them to stop for pedestrians at controlled and uncontrolled intersections.

The four-sided design has fully customizable side panels to tell pedestrians about traffic conditions specific to that area. Omni-Ped also improves crosswalk safety by alerting distracted pedestrians of nearby traffic that they might not otherwise notice.

A G S V



PED-IN-A-BAG

The Ped-in-a-Bag pedestrian sign was designed to be an easily transportable pedestrian safety tool for school crossing guards.

A G S V



RECYCLED RUBBER SPEED BUMP

Rubber speed bumps force drivers to slow down, making parking lots safer for both drivers and pedestrians. Our speed bumps are built from 100% recycled tires. The flexible design installs easily to meet the contour of almost any road surface.

A S



ROADQUAKE 2F FOLDING TEMPORARY RUMBLE STRIP

RoadQuake 2F is a transverse rumble strip for highways and work zones. These temporary rumble strips alert drivers moving at high speeds of changing road conditions by using hard-to-ignore sounds and vibrations. The RoadQuake 2F includes a patented hinge, allowing for a convenient, one-piece folding design.

A S



SAFETYRAIL ADA-COMPLIANT PEDESTRIAN BARRICADE

SafetyRail meets ADA Guidelines and MUTCD 2009 Edition Standards as a sidewalk closure or longitudinal channelizer. Designed for use with the PSS Wave Guide Rail, SafetyRail safely guides pedestrians, especially those with limited vision or mobility issues, through work zones.

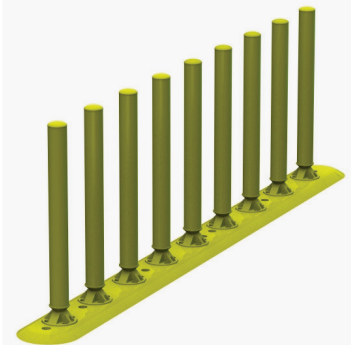
G



SENTINEL BETWEEN-CAR BARRIERS

This barrier was designed to address safety problems on transit platforms. It alerts visually impaired riders that the space between cars isn't a door opening. This keeps them from entering the area between the cars and falling to the rails below.

A G S



SLOWSTOP BOLLARDS

This bollard does more than just block access: it's an energy-absorbing collision shield mounted on concrete. In a collision, the post tilts 20 degrees while all kinetic energy is absorbed by an elastomer hidden in the bollard's base, softening the impact. Afterwards the post can go upright again, leaving the guard intact and ready for the next collision.

A G S



TEMPORARY RAISED PAVEMENT MARKERS

Temporary Raised Pavement Markers (TRPMs) are the most effective and convenient temporary road markings on the market. They work day and night to indicate the original lane-line location during chip, slurry, or fog-seal road maintenance. TRPMs are durable enough to use on both low-volume and interstate highways.

A S



THERMOPLASTIC PAVEMENT MARKINGS

High-performance, retroreflective, and pre-formed thermoplastic pavement markings are designed to be more visible, durable, and flexible. Glass beads are regularly distributed in the material so new beads are exposed as the marking wears down.

These markings are designed for heavy-traffic locations with high wear and tear. There aren't any minimum road or air temperature requirements, and the pavement doesn't have to be preheated before application.

A G



TUFF CURB

Tuff Curb is a durable traffic separator curb that's compatible with Impact Recovery's posts, panels, and other traffic safety products. It has an enhanced profile, 3M reflectors, and integral colouration, making it highly visible day and night while resisting UV damage and fading. We can customize section spacing for local conditions.

Tuff Curb's safety and durability is federally approved and has been tested by the Texas Transportation Institute to 2009 MASH standards.

A G



TUFF POST 4" FLEXIBLE POSTS

The Large-Diameter Tuff Post is a high-performance channelizer designed to work in harsh conditions for good value. These four-inch-wide posts are more visible than standard posts, making them more noticeable for drivers.

A G



LED SIGNS & FLASHING BEACONS

BLINKERSIGN SOLAR SIGN

This solar-powered sign is designed to provide enhanced warning at new or high-risk intersections, as well as elevated levels of incomplete stops. It can be used in both the middle of a city and in remote rural locations. Because it doesn't use grid power, there are no electrical costs.

Flashing Pedestrian Crosswalk Sign



LED Flashing Stop Sign & Stop Ahead LED



BLINKERSIGN SCHOOL ZONE OPTIONS

Flashing LED school crossing signs and crossing guards with flashing LED paddles can be used at marked school crossings to alert drivers that pedestrians are present. Rectangular Rapid Flashing Beacons (RRFB) also dramatically reduce the number of collisions at high-risk uncontrolled intersections.

DRIVER FEEDBACK SIGN

With the OnSite 200M, oncoming drivers won't lose site of pedestrians while keeping an eye on their speed. The 18"-high, full-matrix LED characters automatically adjust brightness based on ambient light. The display is also protected by smoked, non-glare Lexan shielding for high visibility and security.

A D E S



FLASHING LED STOP SIGN

This model is ideal for crosswalks that need advance beacons or are located on a one-way street. The beacons are self-contained, are autonomous, and don't need any external cabinets or power sources.

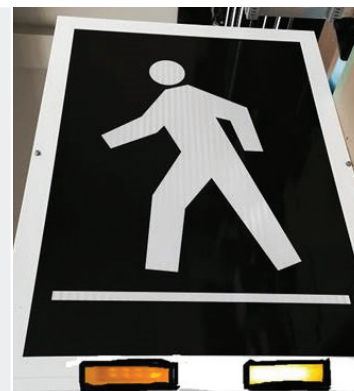
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ENHANCED RA-5 RRFB COMBO

The enhanced RA-5 RRFB Combo is meant for high-risk areas. The setup features side-mounted Rectangular Rapid Flashing Beacons with overhead-mounted RA-5s, LED internal lighting, down lighting, and pedestrian-activated rapid flashers.

A V



PEDESTRIAN-ACTIVATED SINGLE BEACON

This model is ideal for crosswalks that need advance beacons or are located on a one-way street. The beacons are self-contained, are autonomous, and don't need any external cabinets or power sources.

A S V



SOLAR RECTANGULAR RAPID-FLASHING BEACON (RRFB)

Solar RRFBs are an ideal way to make drivers yield to pedestrians at mid-block crossings, trail crossings, and uncontrolled or unsignalled intersections. This is a user-activated flashing light for cyclists and pedestrians. The lights flash brightly and rapidly, making them highly noticeable for drivers both during the day and at night.

A S V



SOLAR SCHOOL ZONE FLASHING BEACON

Solar flashing school zone beacons are designed to reduce vehicle speeds in school zones. Carmanah offers two models, the compact 10-watt R829C and the 20-watt R829. These beacons can be added to existing speed limit signs with just a wrench and screwdriver, making installation fast and easy. They reduce installation and operating costs, and they don't need to be connected to the electrical grid.

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VEHICLE-ACTIVATED TRAFFIC-CALMING SIGN (VATCS)

These signs are hazard specific and targeted only at drivers who are speeding. The sign stays blank until a vehicle approaches (70–100 metres) at a speed higher than the posted limit. The sign then lights up for three to four seconds, warning the driver to slow down.

A S



INTELLIGENT TRAFFIC SYSTEMS & DATA COLLECTION

GATEKEEPER SYSTEMS STUDENT PROTECTOR

As the name suggests, the Student Protector is intended for school zones. This high-performance licence plate reader removes motion blur caused by vehicles travelling at high speed, allowing it to create readable images in extreme environments. Its unique mechanical design and precision sensor technology make the Student Protector reliable day or night.

The SP-210 and SP-322 use Gatekeeper's Direct Light Technology and advanced processing to capture readable images. The system is triggered when speeding vehicles pass the stop arm at speeds up to 90 kilometres per hour.

D E



GATSO MOBILE SPEED ENFORCEMENT

With GATSO T-Series, you have a complete mix of speed and red-light enforcement technology. The Sensys Gatso Group's high-tech components and full range of products can help you enforce speed limits with a system designed for your situation.

D E



HOUSTON RADAR SPEEDLANE

This dual-beam, low-power, side-fire radar is designed to accurately detect lane, speed, and vehicle class. It can also calculate per-lane volume, occupancy, gaps, average speed, 85th percentile, and headway parameters.

D E



Q-FREE TDC CYCLE & PEDESTRIAN MONITORING

The HI-TRAC® CMU Green Light Priority System was successfully tested in Copenhagen for a traffic signal priority scheme. Eye-level cycle priority lights were added to existing traffic signals and linked to the CMU unit and new split piezo sensor detection technology. This gives cyclists an early start before traffic starts to back up.

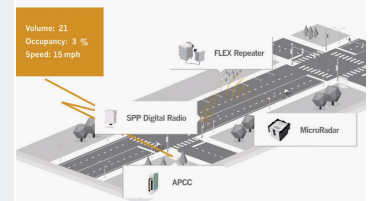
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SENSYS BICYCLE DETECTION

Sensys Networks MicroRadar is the most accurate, easy-to-deploy bicycle count and presence detection system on the market. It even registers alternative bike frame materials like carbon fibre. Counters can be installed as stand-alone products or as part of an existing traffic data collection system for a small incremental cost.

D



SENSYS TRAFFIC DATA

Sensys Networks' wireless vehicle detection system is perfect for collecting data on freeways and arterial roads. The system has no wires, no associated trenches, and the highest accuracy in the industry. It provides real-time volume, occupancy, and speed metrics for a fraction of the cost of loop alternatives.

D



VER-MAC SP3248V SPEED SIGN

Our radar speed sign displays real-time speed information (in miles per hour) and feedback messages to drivers, reducing speeds and improving safety. The SP-3248V is the perfect way to add speed awareness to highway construction projects, school zones, and other urban areas.

D E



VER-MAC SPEED-MAC

Our Speed-Mac is a portable radar sensor designed to collect speed data for traffic studies and smart work zones. We package the components in a standard barricade light so you can attach the Speed-Mac to any traffic control device. Combined with our exclusive JamLogic software, this is an all-in, low-cost speed data collection system.

A D E S



OVERHEAD TRAFFIC SIGNALS

TRAILER-MOUNTED TRAFFIC LIGHTS

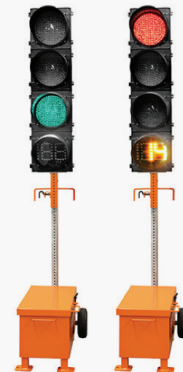
We're the exclusive provider of Ver-Mac's TLD-3612G2 and TLD-2312G2 battery- or solar-powered portable traffic signal trailers with dual traffic signal heads. Both models use advanced radio communication to phase and monitor the signals for conflicts or failures.

The lights feature the V-Touch TLD controller, tilt-and-rotate solar panels, and our JamLogic software (modem required). They also offer multiple features and options for safe, efficient traffic control for short- and long-term applications. Overall, both products offer user-friendly programming and a cost-effective traffic control system.



TROLLEY-MOUNTED TRAFFIC LIGHTS

Ver-Mac's TLG-1412 is a portable, battery-powered traffic signal trolley set with a signal head on each trolley. It comes with 12-inch LED lamps, our V-Touch TLG controller, and our V-SWAP system. Both units are timed and synchronized with GPS. TLG-1412 is the perfect set of traffic signals for simple, short-term applications.



Notes



Notes



Safety forward.



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