



SMART TRAFFIC
CALMING SOLUTIONS



SharpLine Solutions, Inc.

626-257-8328





We offer traffic managers innovative products and services that will improve the safety and traffic flow of their municipal road network.



Low and green energy technologies



1-866-623-2580

traffic-innovation.com

SMART TRAFFIC CALMING SOLUTIONS

CHANNELIZER
page 28

**DATA
COLLECTION**
page 4

**LED
SIGNAGE**
pages 22
& 27

**SPEED
DISPLAY**
page 7

**SCHOOL
ZONE**
page 18

COMMUNICATION
pages 6 & 26

**CROSS
WALK**
pages 14 & 24

**FLASHING
BEACON**
pages 12 & 19

TNS-SV

TRAFFIC AND SPEED DATA COLLECTOR



DISCREET DESIGN
Not very apparent and less subject to vandalism



EASY INSTALLATION ON STANDARD POSTS
No expensive structure required



HIGH ACCURACY
Recording speeds up to +/- 0.8 km/h



SMART SOLAR PANEL FOR PERMANENT USAGE (optional)



USER FRIENDLY
Plug & play system



SIMPLE AND ACCURATE

High definition traffic data collection-vehicles count per speed categories and detailed time stamped records for each vehicle.

EASY TO RETRIEVE AND PROCESS

Up to 10 years of continuous traffic information can be stored on removable microSD card in CSV files. Data storage and retrieval has never been easier.

LIGHTWEIGHT AND LOW PROFILE

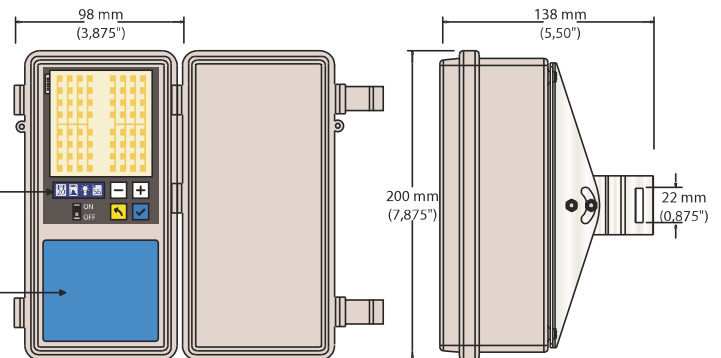
The unit can be installed in minutes by one person on common sign posts or light poles thanks to its small dimensions (W: 98mm x H: 200mm) and light weight (+/- 1.1Kg)

USER FRIENDLY

All setup and diagnostics can be performed with the onboard OLED display keyboard no software required.

OLED display and four navigation buttons interface allow quick and simple configuration of the unit

Battery autonomy up to 15 days



TNS-SV

TRAFFIC AND SPEED DATA COLLECTOR

DATA COLLECTION

Highlighting low-profile design, fast and easy field setup, non-intrusive vehicle detection technology, the TNS-SV provides most detailed single direction traffic statistics among all Doppler-based devices on the market today.



USER FRIENDLY
Plug & play system



FREE SOFTWARE



ROAD DATA COLLECT MODEL
Analyzes the road users behaviour counting up to 2 million.



DATA ANALYSIS:

- Individual real-time records with seconds resolution
- Average, minimal and maximal speed of each vehicle
- Vehicles size / radar cross section
- Speed variation (acceleration/deceleration)
- Programmable speed bins summary



Capable of collecting traffic data during a virtually unlimited period of time.



All information is stored on a removable SD-card and easy-to-process CSV files compatible with Microsoft Excel.



KAMELION 12.5



KAMELION Texto



KAMELION 15



KAMELION VMS

TRANSFORMABLE IN FOUR DIFFERENT USAGES ACCORDING TO YOUR NEEDS



VARIABLE MESSAGE SIGN (VMS)



VARIABLE SPEED LIMIT SIGN (VSLS)



VARIABLE SIGN DISPLAY (VSD)

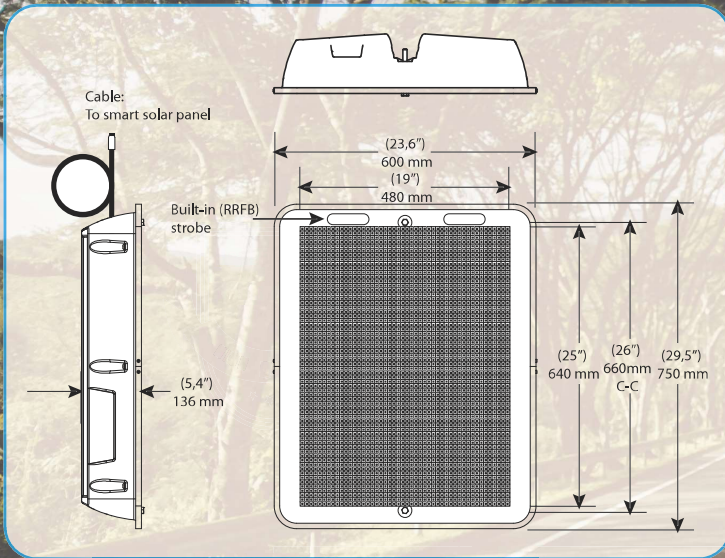


SPEED RADAR DISPLAY



SPEED RADAR DISPLAY

Full color matrix speed radar display 15" DIGIT with RRFB



FULL MATRIX 7 COLORS
19" x 25" (480 x 400 mm)
LED screen. 15" digit & pictogram



REDUCES EXCESS SPEEDS BY 30% (Stats. Canada)
Lowers the average speed by 12%



BUILT IN RECTANGULAR RAPID FLASH BEACON (RRFB) MUTCD compliant



KAMELION
Upgradable to an advanced electronic signage



ROAD DATA COLLECTION MODULE
Analyzes the road users behaviour. Free software



EDUCATIONAL TOOL
Pictograms encourage drivers to behave responsibly



USER FRIENDLY
Plug & play system



SMART 12V SOLAR PANEL
Includes Lithium battery and charger

CITIZEN COMMUNICATION KAMELION



CITIZEN COMMUNICATION

Full matrix changeable sign allows communication with citizens to promote activities or increase awareness for emergency situations. The Kamelion's software and Bluetooth communication allow to change easily from messages to pictograms and to speed reading.

Kamelion is much more than just a variable message sign that will meet all your needs for interactive communication.

Built to meet the standard dimensions of a 60 x 75 cm (24" x 30") road signs panel and equipped with a full matrix LED color screen to display any pictogram, message or logo.

It is the perfect tool for citizen communication on municipal events or emergency situations, new road signage and much more.



CAN BE USED IN HORIZONTAL OR VERTICAL POSITION



MOBILE KAMELION UNIT

SSA-3-K

For your traffic calming campaigns or emergency situations, the mobile Kamelion is easy to deploy, clearly communicate your messages and positively influences the behavior of drivers.



Easy to deploy



Includes 4 rechargeable batteries 12V 88AH with an autonomy from 2 to 10 days depending on usage rechargeable over night



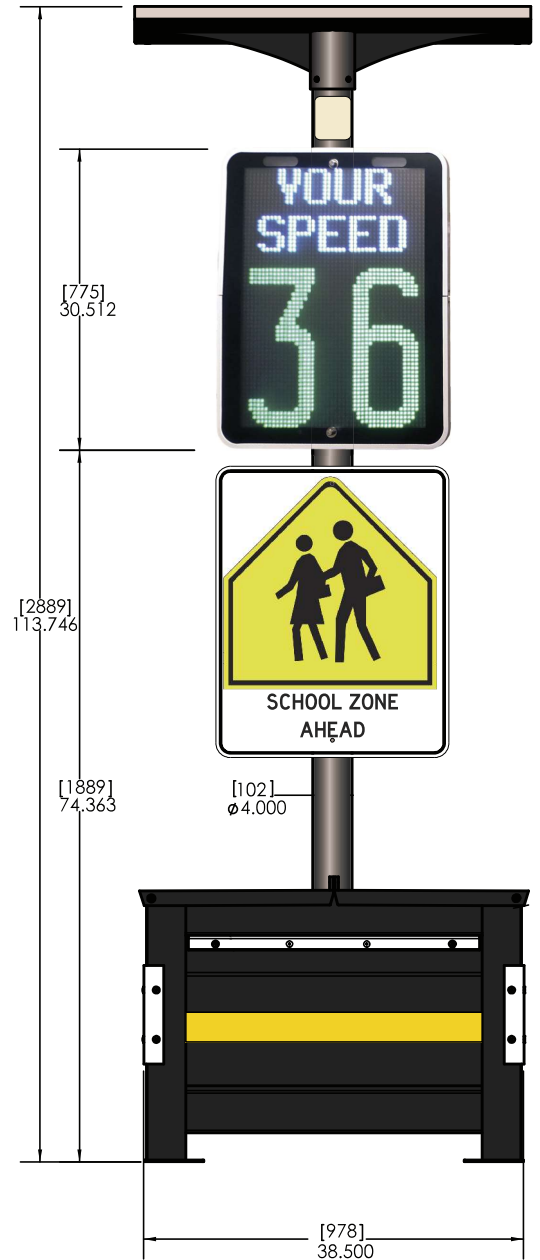
Smart solar panel for permanent usage (optional)



Heavy duty and vandalism resistant



Built in Rectangular Rapid Flash Beacon (RRFB)



The mobile Kamelion unit is an all in one:

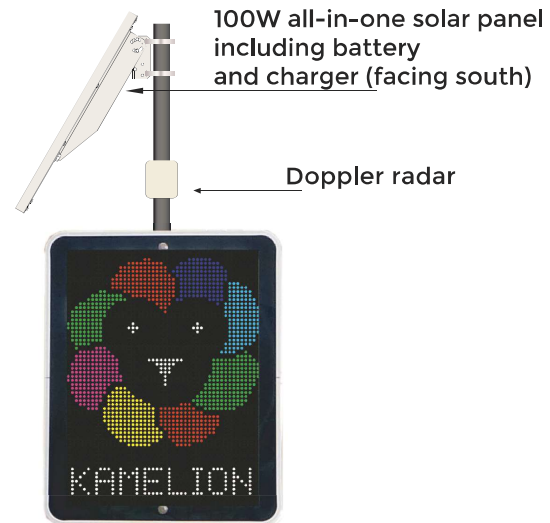
- SRS (portable Speed Radar Sign)
- VMS (portable Message Sign)
- VSD (portable Variable MUTCD Sign Display)
- (Portable Doppler Traffic Study Module)
- Data collection



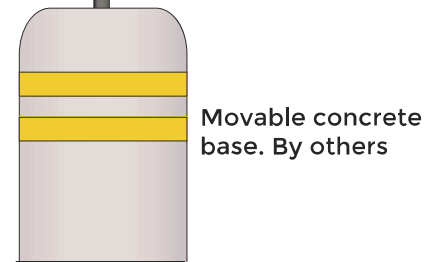
Easy handling with the RSSA custom trailer

TRAILER FOR MOBILE KAMELION UNIT

RSSA



Round post \varnothing 4" x 10' made of steel galv. painted black polyester powder



PORTABLE UNIT FOR KAMELION OR SPEED RADAR DISPLAY



EASILY MOVED BY A SINGLE PERSON



INCREASES SAFETY IN SCHOOL ZONES



GREAT TRAFFIC CALMING TOOL

SSA-7 SPEED RADAR DISPLAY

10" & 12" DIGIT

 REDUCES THE AVERAGE SPEED BY 12%


 LOW COST COMPETITIVE PRICE

 MAKES DRIVERS AWARE OF THEIR BEHAVIOR



TWO POWER SUPPLY OPTIONS

 Solar Panel

 120V/240V

PRODUCT OPTIONS

 Anti-theft system

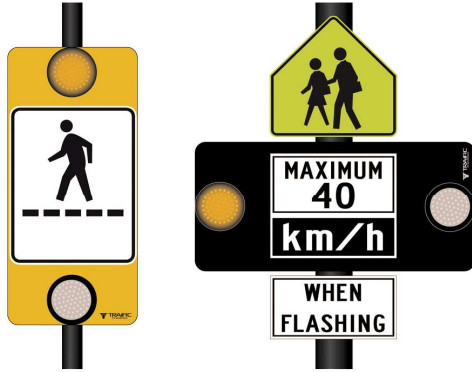
 Wi-fi

 Data collection

 Cloud connection

DUAL FLASHING BEACON SIGN

HORIZONTAL OR VERTICAL INSTALLATION



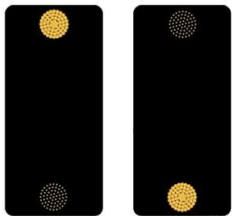
THREE BACKGROUND COLORS AVAILABLE



INSTALL REFLECTIVE SIGN FACE OR STANDARD SIGN PANEL TO SUIT YOUR NEEDS



CHOOSE YOUR LIGHT SETTINGS

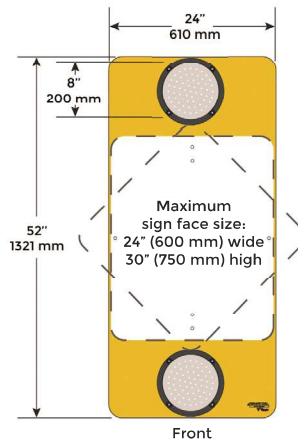


WIG-WAG MODE

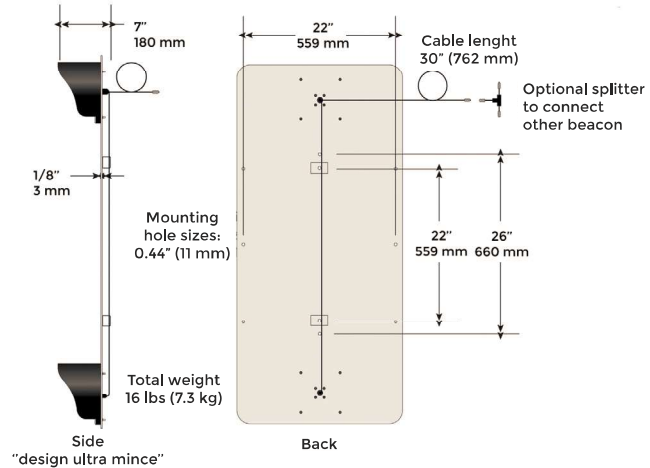
OR



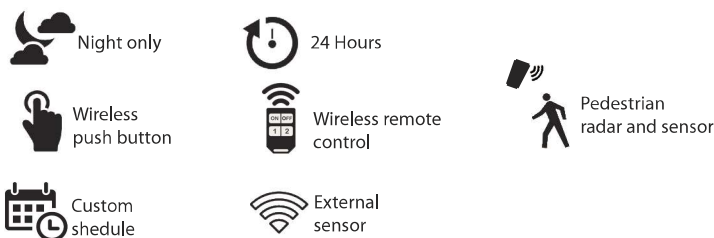
SYNC MODE



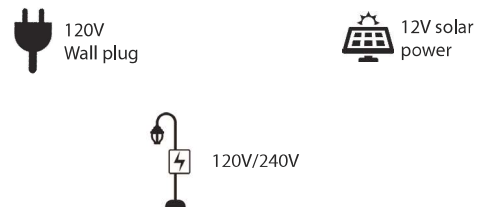
DIMENSIONS



OPERATION MODES



POWER SUPPLY



DUAL FLASHING BEACON SIGN FOR SPEEDING AWARENESS



**NEW ERGONOMIC
AND PATENTED
TECHNOLOGY**
Thin, 3mm and
lightweight, 7Kg



**QUICK & EASY
TO INSTAL ON
STANDARD SIGN POSTS**
No expensive structure needed



**HIGHLY VISIBLE
LED LIGHTS**
Life expectancy
over 50.000 hours



**FLASHES WHEN
SPEEDING**
(Radar optional)



**CUSTOM
SCHEDULE**



NIGHT DIMMING

DUAL FLASHING BEACON SIGN FOR CROSSWALK AWARENESS

MAXIMUM SAFETY FOR CROSSWALKS

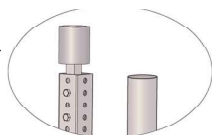
Can be powered with solar panel
or AC power 120/240 volts - 25w

Create wireless links
between signs

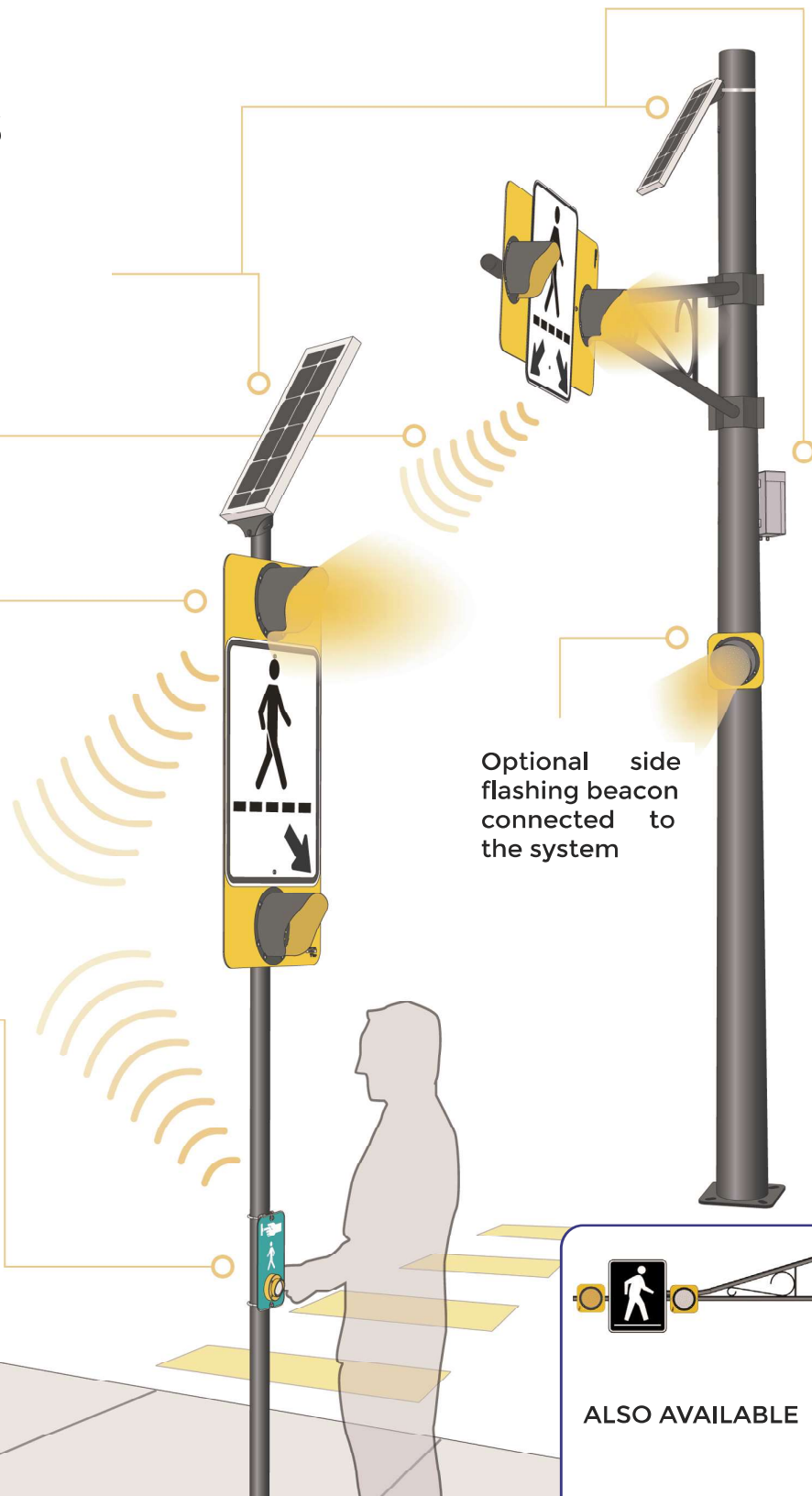
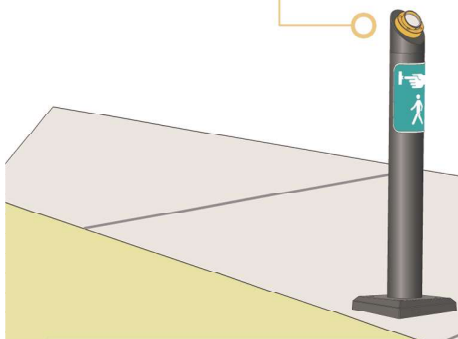
Installs as a standard
traffic road sign

Installs on round post 2-3/8" & 2-7/8"
telespar 2" or any existing pole and
bracket arm.

Note: Use a round
post adapter
for telespar post



Can be pole mounted
or remote mounted on
a free standing flexible
bollard



Optional side
flashing beacon
connected to
the system



DUAL FLASHING BEACON SIGN FOR CROSSWALK AWARENESS



NEW ERGONOMIC AND PATENTED TECHNOLOGY
Thin, 3mm and lightweight, 7Kg



QUICK & EASY TO INSTAL ON STANDARD SIGN POSTS
No expensive structure needed



HIGHLY VISIBLE LED LIGHTS
Life expectancy over 50.000 hours



FULL TIME MODE



RADAR DETECTOR MODE



TIME FRAME MODE

**SAFER ROADS
FOR FUTURE
GENERATIONS**





SCHOOL ZONE PROTECTION

Activation system:



ACTIVATED BY
PEDESTRIAN
MOTION SENSOR



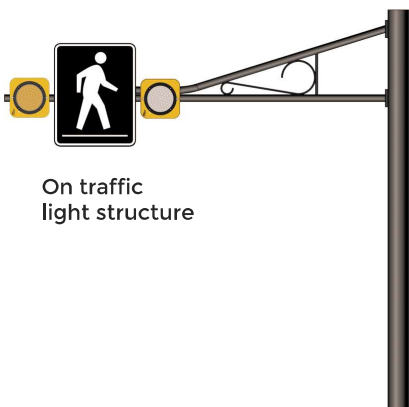
LOOP AND
RADAR DETECTOR



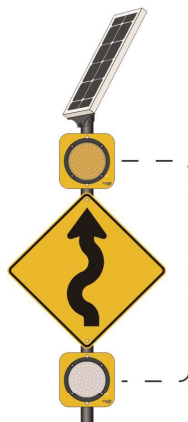
WIRELESS
ACTIVATION



TIME SCHEDULE
MODE



On traffic
light structure



Single flashing beacons
can be linked together
to create flashing patterns

8" FLASHING BEACON



NEW ERGONOMIC AND PATENTED TECHNOLOGY
Thin, 3mm and lightweight, 7Kg



QUICK & EASY TO INSTAL ON STANDARD SIGN POSTS
No expensive infrastructure needed



HIGHLY VISIBLE LED LIGHTS
Life expectancy over 50.000 hours



Smart solar panel batterie & charger included (plug & play)



PROGRAMMABLE FLASHING PATTERNS



ROUND RAPID FLASH BEACON

CRFB - ROUND MODEL 8"



DISCREET, LIGHT AND THIN DESIGN
Easily added to existing crosswalks



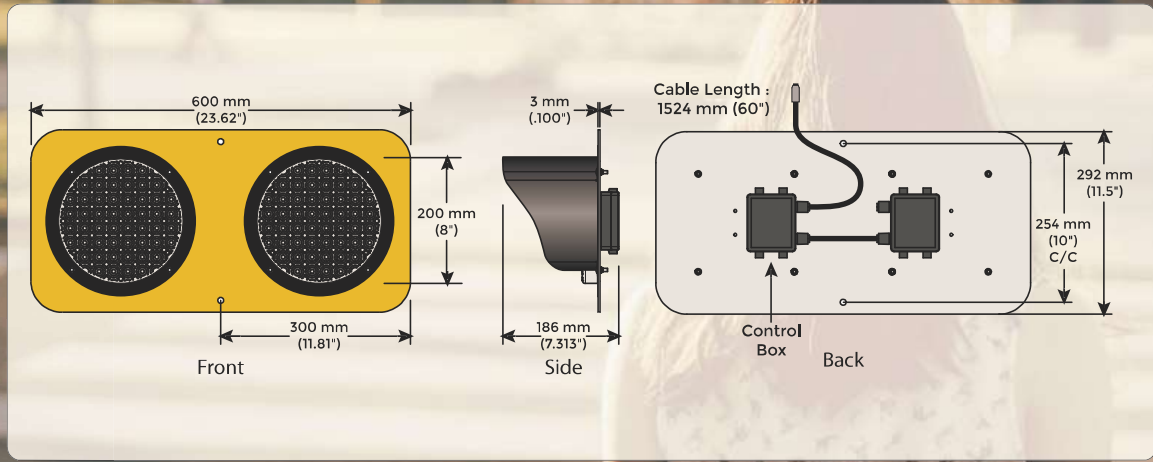
EASY INSTALLATION ON STANDARD POSTS
No expensive structure required



HIGH-INTENSITY LEDs
SAE J595 class 1 compliant



PROGRAMMABLE FLASHING PATTERNS



Remote Control for Crossing Guard



Wireless Push-button with sign



Wireless Push-button on bollard



Smart solar panel with battery & charger (plug & play)



Pedestrian detector

RECTANGULAR RAPID FLASH BEACON RRFB-L-MODEL



DISCREET, LIGHT AND THIN DESIGN
Easily added to existing crosswalks



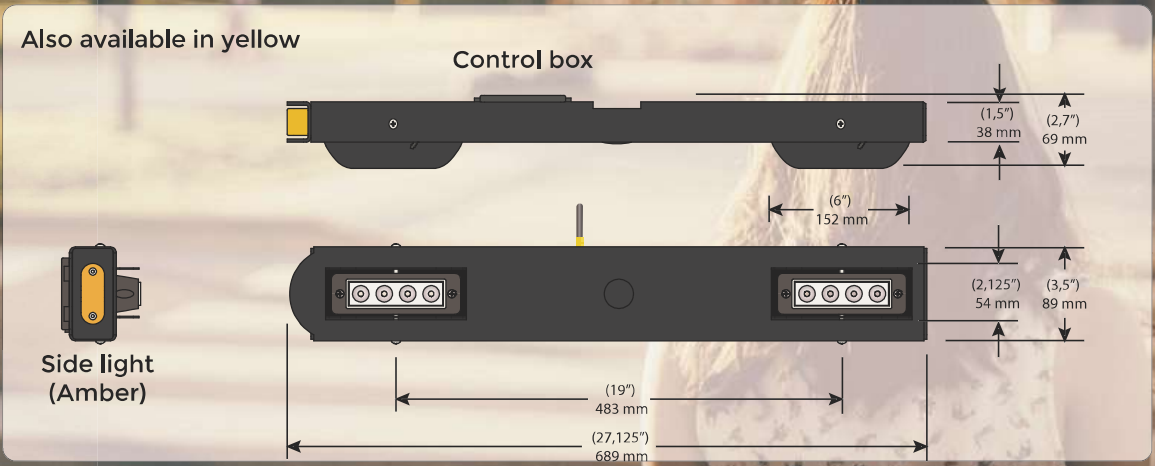
EASY INSTALLATION ON STANDARD POSTS
No expensive structure required



HIGH-INTENSITY LEDs
SAE J595 class 1 compliant



PROGRAMMABLE FLASHING PATTERNS



Remote Control for Crossing Guard



Wireless Push-button with sign



Wireless Push-button on bollard



Smart solar panel with battery & charger (plug & play)



Pedestrian detector

PEDESTARIAN CROSSWALK & SCHOOL ZONE LED SIGNAGE



**DISCRETE,
LIGHT AND THIN**
Easily added to existing
crosswalks



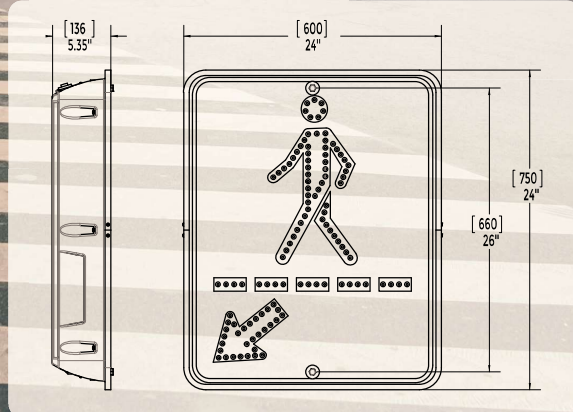
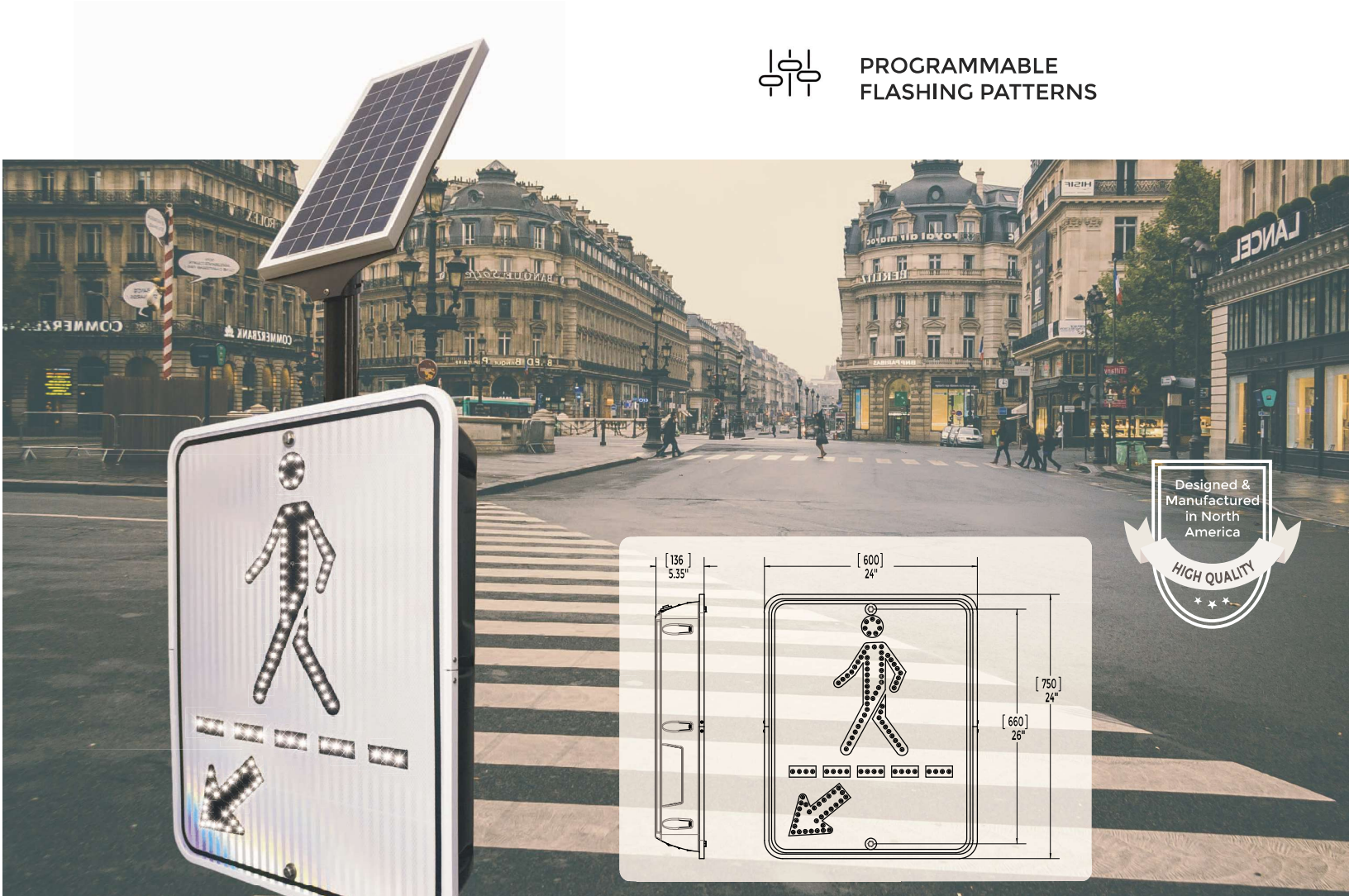
**EASY INSTALLATION
ON STANDARD POSTS**
Ø 2 3/8" OR □ 2"



**HIGH-INTENSITY
LEDS**
Visible more than
300 meters



**PROGRAMMABLE
FLASHING PATTERNS**



Remote Control for Crossing Guard



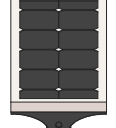
Wireless Push-button



Wireless pedestrian Push-button



Pedestrian detector



Smart solar panel with battery & charger (plug & play)



120 V to 12 V Power Converter, IP67 with Battery

LED STOP SIGN

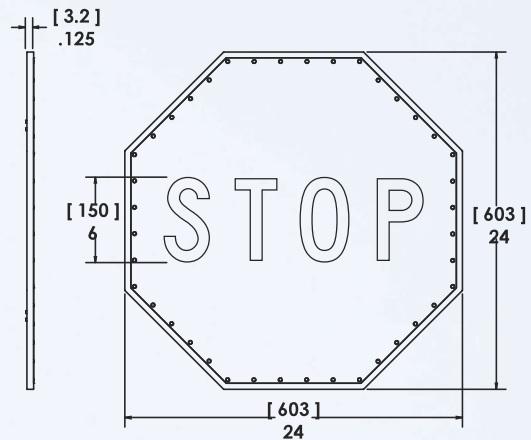


The **LED-STOP** helps increase visibility of the sign by outlining the recognizable shape of the stop sign.

With its smart solar panels backed up by lithium batteries, the **LED-STOP sign** flashes 24/7 and can operate independently for more than three (3) days without sunshine. It can be installed on any kind of post.

Also available with radar activation or motion sensor.

LIGHT (1.9Kg) & ULTRA THIN (3.2mm) DESIGN
PATENT PENDING TECHNOLOGY



Smart solar panel battery & charger included (Plug & play)



DISCREET, LIGHT AND THIN DESIGN
Easily added to existing posts



EASY INSTALLATION ON STANDARD POSTS
No expensive structure required



HIGH-INTENSITY LEDs (Red Color)
SAE J595 class 1 compliant



RADAR ACTIVATED
Optional

STP-LUX

LIGHTING SYSTEM FOR CROSSWALK SAFETY

THE SYSTEM COMES WITH LIGHT ACCESSORIES:

CONTROL PANEL



Nema rated and powder coated control panel including battery and converter 120-375 VDC to 12 VDC and wireless receptor/transmitter with a range of 100 m

PEDESTRIAN DETECTOR



Infrared pedestrian detector.

FLASHING BEACONS



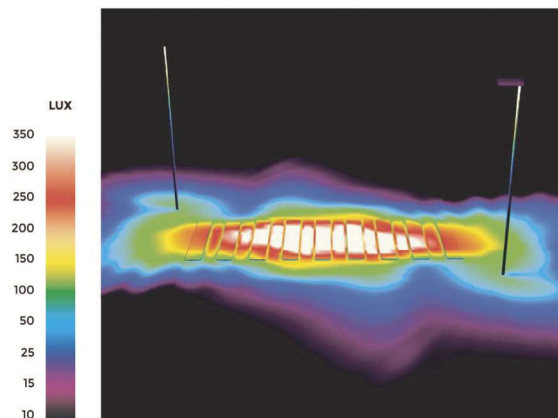
Designed with LED amber color flashing beacons 200 mm (8") diameter. ITE compliant.

Rectangular Rapid Flash Beacon (RRFB) also available.

ACTIVATION BUTTON



Heavy duty push button TMEQ compliant



STP-LUX

LIGHTING SYSTEM FOR CROSSWALK SAFETY

Pedestrians must be visible day and night to be safe when crossing. The STP-LUX lighting system was specifically designed to illuminate crosswalks for pedestrians and drivers. Its asymmetric optics project light beams vertically and horizontally to clearly identify the pathway and illuminate the pedestrian from the top and the side.



At night time the lighting system is at 40% and upon activation (push button or pedestrian detectors) it will rise to 100% (350 LUX), once crossing pattern is complete the lighting system will return to 40% illumination.



HORIZONTAL
AND VERTICAL
LIGHTS



HIGHLIGHTS
PEDESTRIAN
PRIORITY



CLEARLY
IDENTIFIES
CROSSWALKS



350 LUX
MAXIMUM
LUMINESCENCE



IMPROVES SAFETY
FOR DISABLED
PEDESTRIANS



ACTIVATED BY
PEDESTRIAN
DETECTOR



Automatic night activation
with the photoelectric cell
integrated in the system.

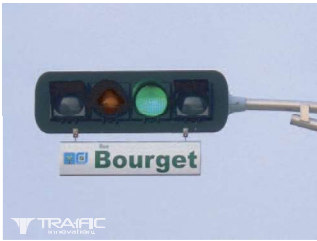


The flashing beacons light up day
and night to ensure maximum
safety for pedestrians

HIGH VISIBILITY STREET NAME SIGN AEROVISION



Made of extruded aluminium, its aerodynamic shape reduces wind resistance to its surface (EPA) by more than 70%. The oscillating effect on support structures is therefore considerably reduced,



Under horizontal traffic lights



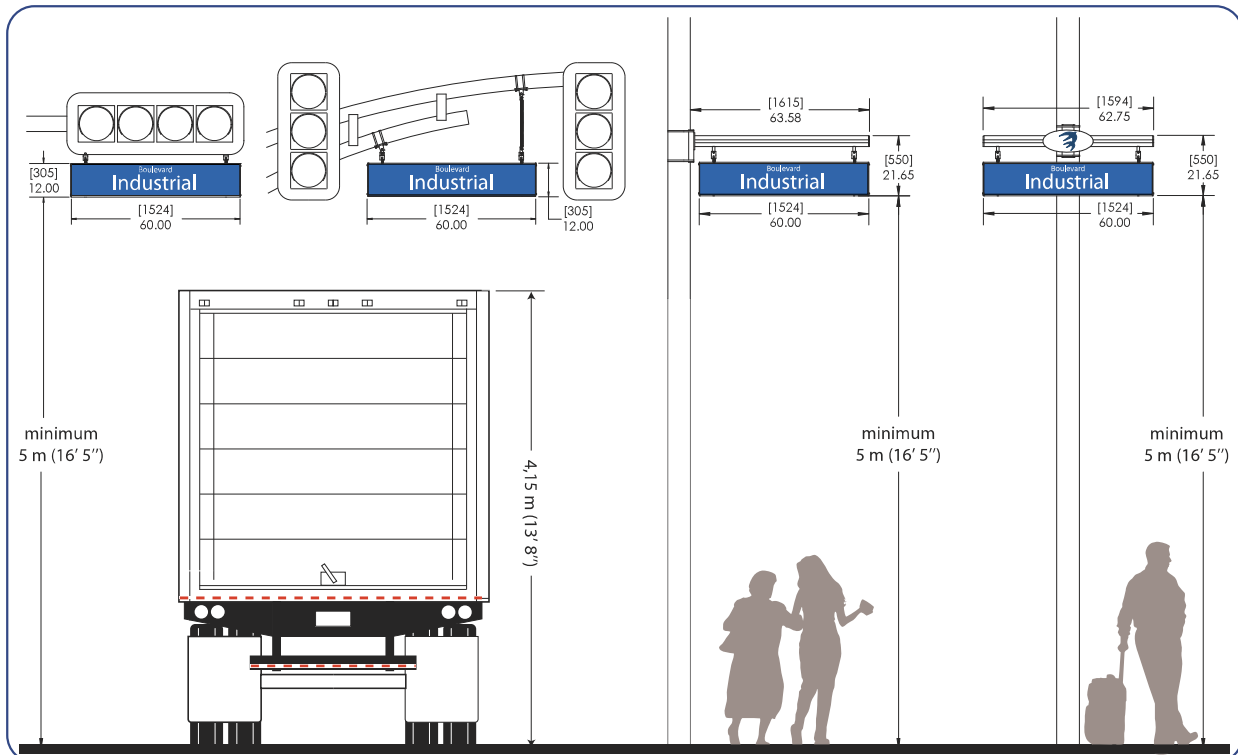
On existing bracket arm for vertical traffic lights



On aerovision bracket arm (with or without logo) for existing posts



Advanced or central bracket arm, may be necessary in some specific cases




ELECTRONIC PARKING MANAGEMENT

 **ERGONOMIC AND ULTRA-LIGHT**
1.36 kg / 3 lbs

 **QUICK & EASY INSTALLATION**

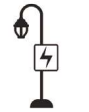
 **HIGHLY VISIBLE ORANGE PORTLAND LED**

 **MULTIPLE CONFIGURATIONS**

 Smart solar panel battery & charger included (plug & play)

 **TIME SCHEDULE MODE**

 **WIRELESS COMMUNICATION**

 120V/240V

 Wireless remote control (FOB)



Voted best 2018 innovative product by a panel of 90 municipalities at the AQTR congress



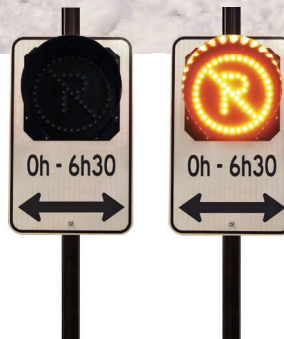
INTERACTIVE NO PARKING SIGNS

The electronic parking management signs that reduce costs and improve performance during road maintenance operations.

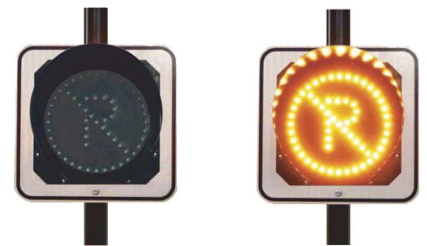
Managers can activate the signs manually with dedicated FOB, wireless communication or cellular communication from anywhere.

This system eliminates the need to mobilize workers for manual setup.

Very visual way to manage NO PARKING time frame to road users.



MAINTENANCE



PARKING

ORANGE DEFLEX

48" FLEXIBLE ROADWORK CHANNELIZER WITH 16 lbs RUBBER BASE



NARROW WORKZONES

WORKZONE CHANNELIZER



Stability means less maintenance after impacts



Recommended colors



Perfect for narrow workzones



Quick and easy to deploy



Wind and truck draft stability resistance



100 units in a pick-up truck (high storage capacity)

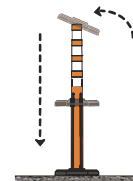


High visibility, day and night

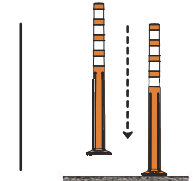


Long lasting, affordable and economical to use

How to install



Quick & easy 16" rubber base #33769



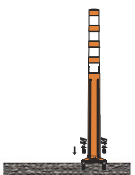
Sticky mastic and plate for temporary installation #MA8C-DEFLEX



Concrete screws #35198



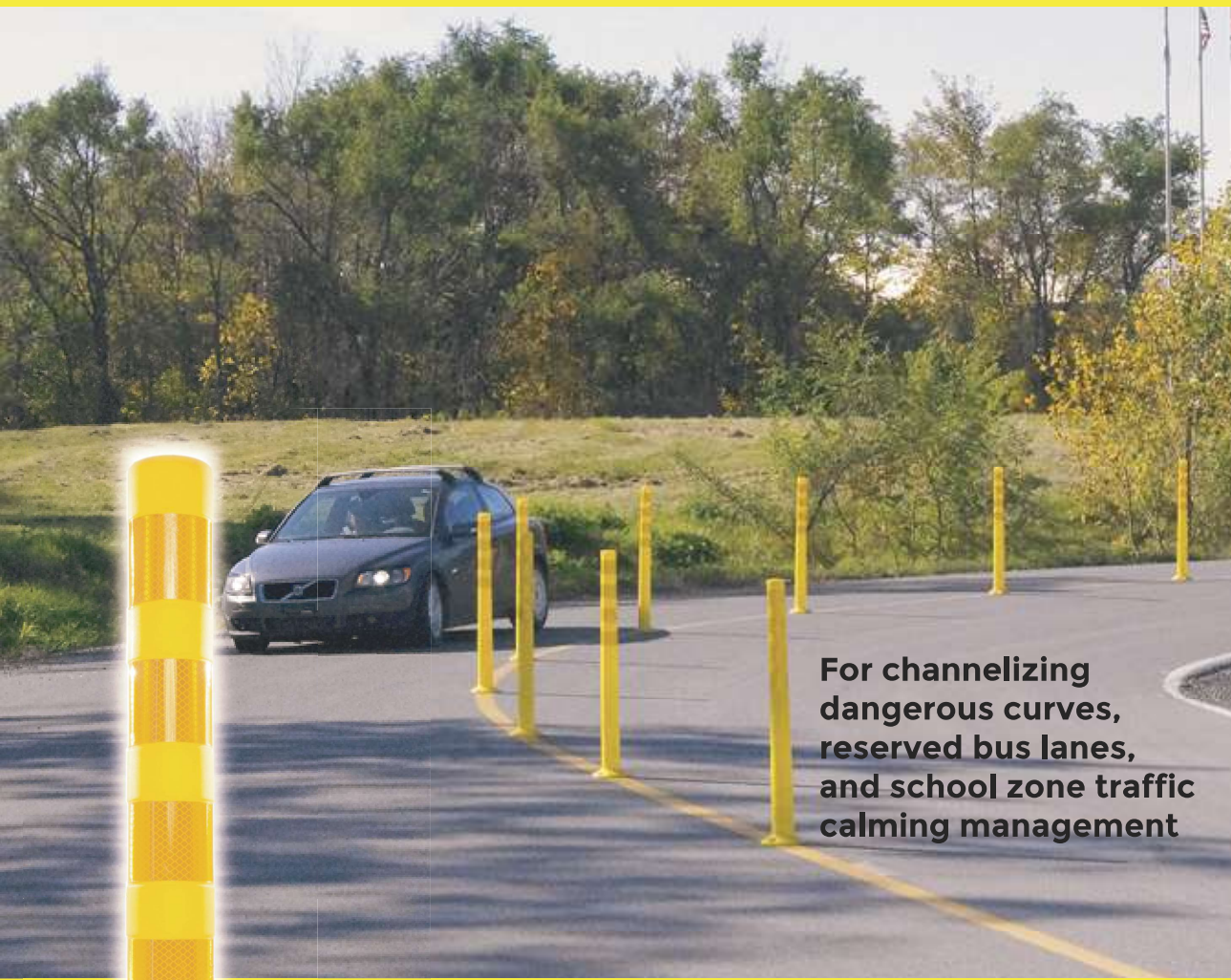
Asphalt shield & bolts #35199



Bolt-in for permanent use

YELLOW DEFLEX

FLEXIBLE LANE DIVIDER



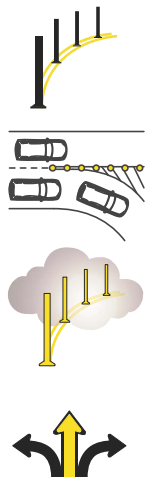
For channelizing dangerous curves, reserved bus lanes, and school zone traffic calming management



Visual Channelizing



WITHSTANDS MORE THAN 200 IMPACTS

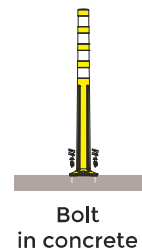
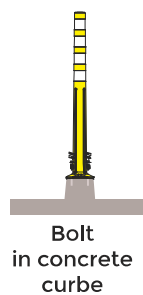


Increases security in dangerous curves

Prevents drivers to pass over a solid line

Improves visibility in any weather conditions

Highlights channelizing geometry



GREEN DEFLEX

FLEXIBLE CHANNELIZER FOR BICYCLE PATHS



HOW TO INSTALL



Quick and easy seasonal installation with carvelle system



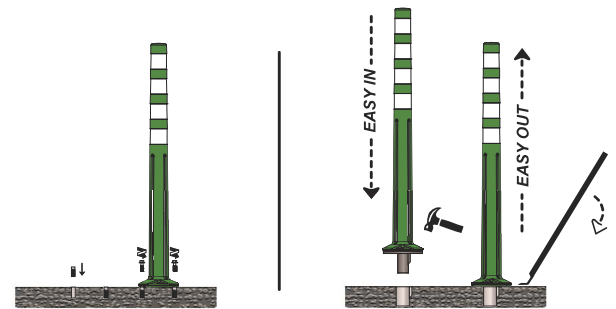
Better visual comfort and safety for cyclists



Reduces probability of injury if impacted by cyclists



Bounces back & keeps its original shape



Asphalt kit #35199
Concrete kit #35198

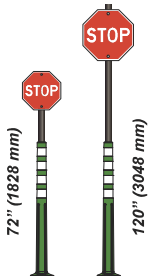


Rubber lane path divider



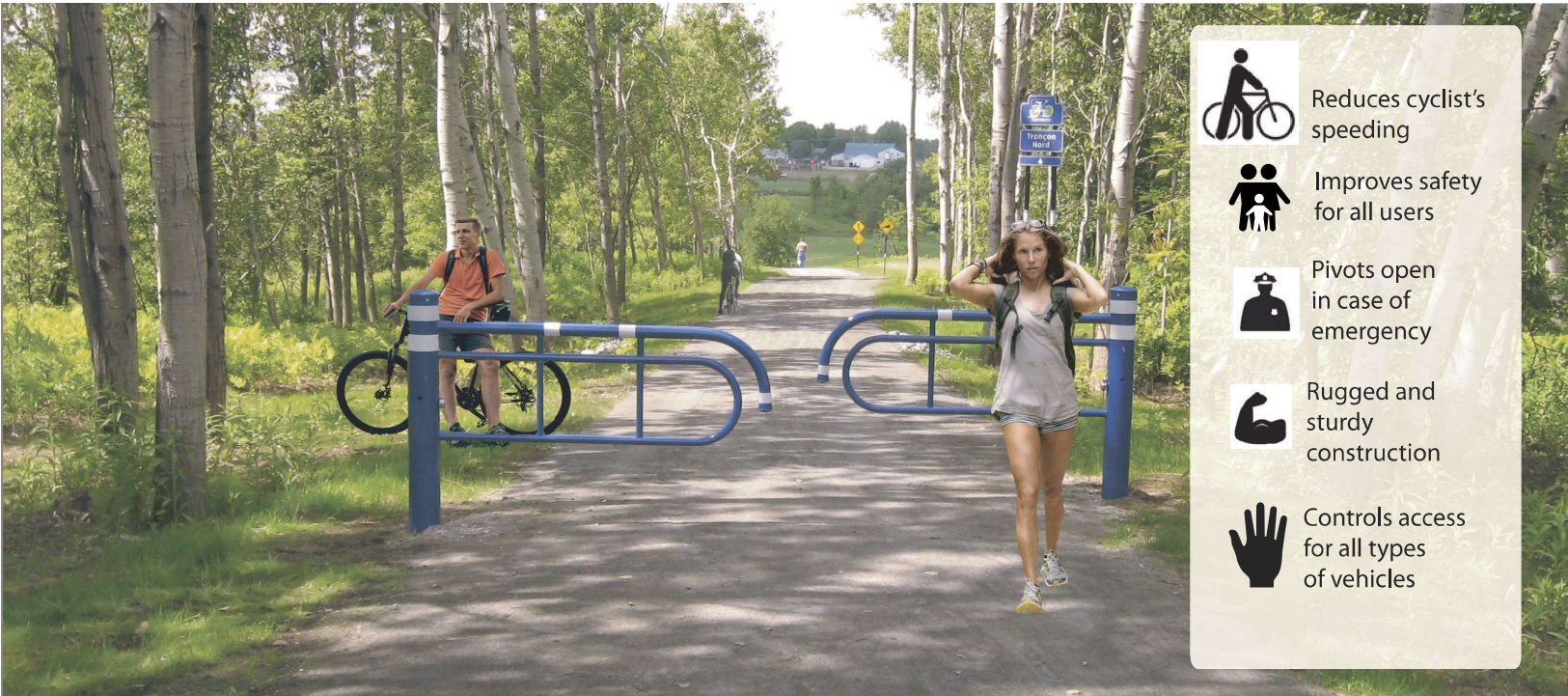
#35769

White signage #35733

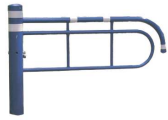


Used as decorative post cover

DECORATIVE CHICANES



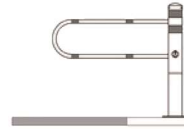
-  Reduces cyclist's speeding
-  Improves safety for all users
-  Pivots open in case of emergency
-  Rugged and sturdy construction
-  Controls access for all types of vehicles



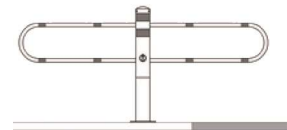
#33546 : 1.6 m (5'3")
 #35093 : 2.2 m (7'2")
 #33405 : 3.2 m (10'6")



ALSO AVAILABLE



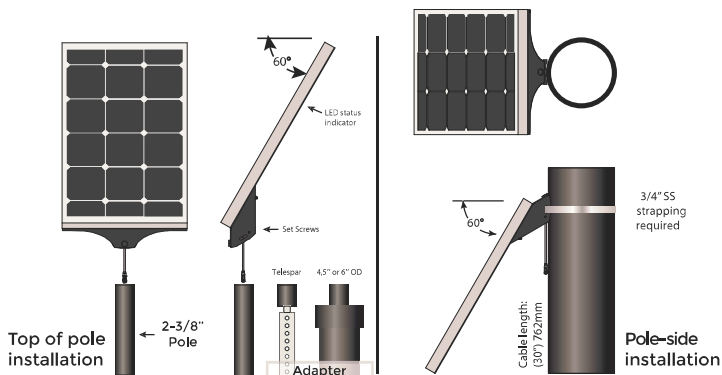
#37112 : 1.6 m (5'3")
 #37111 : 2.2 m (7'2")
 #37113 : 3.2 m (10'6")



ALSO AVAILABLE

ALL-IN-ONE SOLAR PANEL





Our smart solar panels are all-in-one unit including: solar panel, Lithium fast rechargeable battery, smart charger, back plate with power and charge indicator with a universal mounting bracket.



Cable extension length: (10') 3 m
 #36300



Telespar adapter #33512

	#36233 10W smart solar panel	12" x 18" x 6" 10 lb
	#36177 20W smart solar panel	12" x 28" x 6" 16 lb
	#35293 30W smart solar panel	16" x 28" x 6" 28 lb
	#35919 50W smart solar panel	24" x 36" x 6" 40 lb

This plug / play system allows installation on any type of post either top or pole side.



36558
 Smart controller (flashing pattern, schedule wireless communication, data log)



YOUR DISTRIBUTOR

TRAFFIC-INNOVATION.COM
1-866-623-2580

Distributed by



SharpLine Solutions, Inc.

626-257-8328