

# The **TRAFICOP**

TRAFFIC CALMING SYSTEMS



**Speed Cushion**

**SAFER  
ROADS  
LLC**



INNOVATIVE TRAFFIC CALMING SYSTEMS

WHEN SECONDS COUNT,  
COUNT ON...

# TRAFICOP

TRAFFIC CALMING SYSTEMS



## Slows Down P.O.V.'s, Not Emergency Vehicles

- Special width design allows straddling by E.V.'s
- Minimal delay in Emergency Response times
- Minimal impact for occupants, patients and equipment
- Reduced wear on E.V.'s and public service vehicles



### EMERGENCY VEHICLE RESPONSE DELAYS

COMPARING TRAFICOP TO OTHER  
TRAFFIC CALMING METHODS

Trafficop + 1.03 sec



Speed Tables + 5.78 sec



Speed Humps + 6.80 sec



Traffic Circles + 9.48 sec



**PURPOSE:**

The Traficop Speed Cushion's purpose is to **safely reduce vehicular speeds, accidents and excessive average daily traffic**. As our highways and primary roadways become increasingly congested, motorists are utilizing our neighborhood streets as alternate routes, putting the neighborhood residents in danger. In an attempt to return these neighborhood streets back to the neighbors, many communities are experimenting with various methods and devices for calming the increase of through-traffic to a range in degrees of success. Along with easy installation, durability and a cleaner appearance, the Traficop provides safety for residents, motorists and installers, making it the superior choice for traffic calming solutions.



**MODULAR DESIGN:**

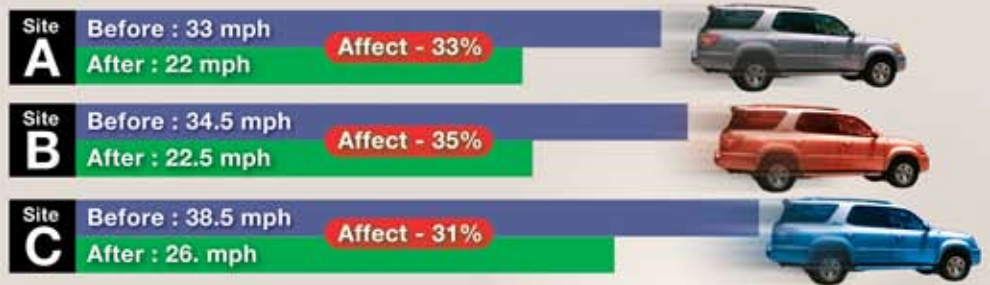
The Traficop Speed Cushion is assembled with modular units that are both durable and manageable. Each module is manufactured with a composite of long-wearing recycled rubber and fuel and weather resistant premium two-part polyurethane compressed at 160 tons. The result is a device **far more durable than the road itself**. Preformed modules eliminate field engineering and ensure consistent and precise installations. The modules' sizes and weight permit handling and transporting without heavy equipment. Multiple units **can be hand loaded and transported in a standard pickup truck**. The modular design also allows the cushion's size to be customized for special applications. Additionally, each module is specially designed to absorb energy and produce a uniquely quiet form of traffic calming.



Asphalt  
Vs.  
Traficop:  
**Higher Visibility  
and  
Durability**



**85TH PERCENTILE DATA:**  
TYPICAL VOLUME OF TRAFFIC REDUCED 15 - 25%





**INSTALLATION:**

The Trafficop Speed Cushion's modular design and exclusive anchoring system ensure a quick, easy and safe installation. Simply lay out the unit, drill the holes, insert the patented anchors and resin, bolt it down and it is ready for traffic. A two to three man crew can **install a cushion in as little as 45 minutes**. No heavy equipment, shorter lane closures and quick installation result in decreased labor and asset expense, fewer traffic disruptions and less employee exposure.

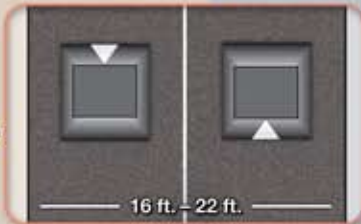
**CONFIGURATION:**

The recommended configurations of Trafficop Speed Cushions provide an efficient and effective traffic calming device. Common configurations are in pairs, one Trafficop in each opposing lane of traffic. On road widths over 22 ft. a third or fourth Trafficop can be incorporated into the layout. When compared to a full width device, the Trafficop **configuration prevents unsafe and damaging water damming, allows multimodal use** by cyclists and skaters, and most importantly, **minimizes emergency vehicle delays**.



**EMERGENCY VEHICLE FRIENDLY:**

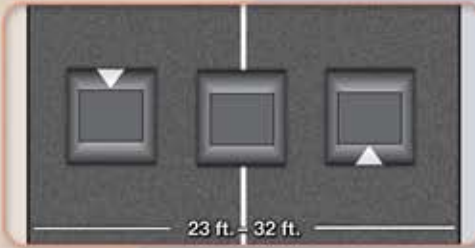
The Trafficop Speed Cushion is the **preferred traffic calming device among fire and rescue departments**. With other traffic calming devices, emergency response times can be delayed up to 9 times longer than with the Trafficop. Although it effectively reduces the speed of privately owned vehicles, it allows **emergency vehicles, which have a wider axle-width, to straddle and pass with minimal delay**.



1

**EFFECT:**

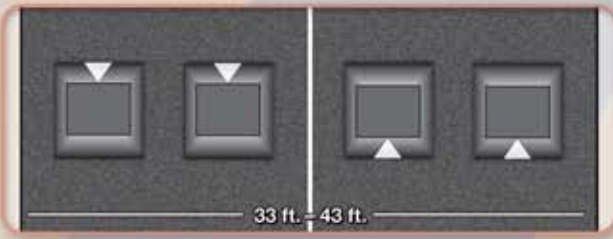
A traffic calming program is judged by its effectiveness in reducing vehicle speed and accidents. There is considerable data from authorities world-wide showing the effectiveness of the Trafficop Speed Cushion. Reductions in the standard deviations of speed create a more even speed distribution and reports show that the **85th percentile speed reductions remain consistent over time**. Typical volume of traffic is reduced between 15-25%.



2

**TRAFICOP HISTORY:**

The Trafficop Speed Cushion is a time-proven traffic calming device. Over the past 15 years **more than 25,000 Trafficops have been installed worldwide**, some with over 8 million hits. Over 8,800 tons of recycled rubber have been converted to Trafficop products.



3



4



# TECHNICAL DATA



## ANCHOR SYSTEM:

The Trafficop Speed Cushion's exclusive anchor system ensures a **secure and lasting device**. This anchor system incorporates patented RediPlug nylon anchors, two part epoxy resin, premium stainless steel lag bolts and washers and galvanized steel reinforcing bars. The steel reinforcing bars run under the ramps, from one corner module to the other, spreading the force of impact and providing additional anchor points to the ground. **Individual modules or entire cushions can be removed and relocated.**



(Patented)  
RediPlug  
Nylon Anchors



Recycled

## General:

Preformed rubber/polyurethane composite speed cushion. Modular design to allow the length and width to be easily adjusted by adding or changing modules

## Material:

100% recycled rubber  
2 part polyurethane binder

## Specifications:

Hardness: Minimum 65° Shore A  
Specific Gravity: 1.13  
Skid Resistance: 89 (dry)  
Tensile Strength: 500 psi  
Deform Rate: None

## Dimensions (Standard Trafficop):

Length: 6.5 ft.	Ramp Gradient:
Width: 6.25 ft.	Entrance: 1 : 10
Thickness: 3 in.	Side: 1 : 4
	Max Step: .5 in.

## Markings:

Entrance arrow made of white retro-reflective pavement marking tape 24 inches wide by 24 inches high. Marking is molded into the cushion during manufacturing.

## Anchor Devices and Assembly:

Reinforcing Bars (provide cushion stability and structural integrity)

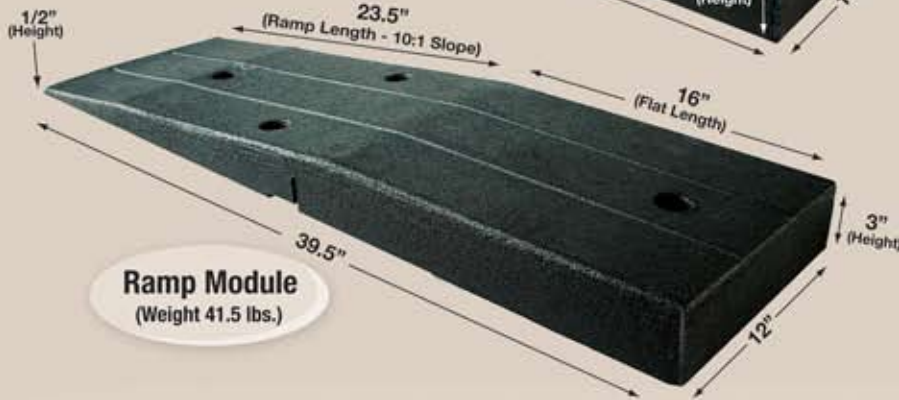
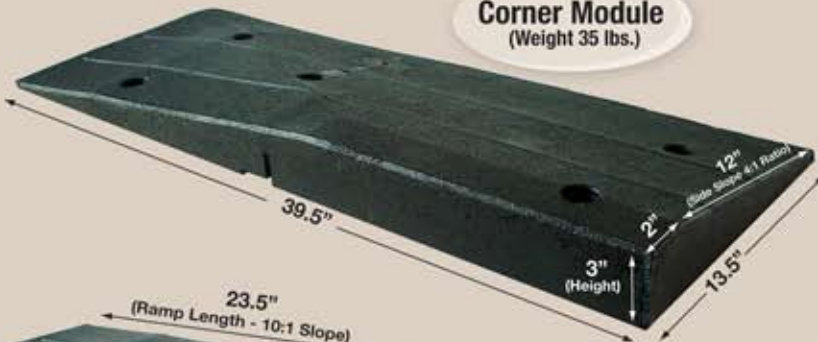
Reinforcing Bar Anchors - 10mm OD by 100mm A4 stainless steel Torx Head screws.

Module Anchors - 10mm OD by 120mm A2 stainless steel lag bolts and 10mm SS washers.

Quick set two-part polyester resin (secures RediPlug in pavement).

Patented RediPlug anchor - 14mm OD by 10mm ID by 100mm long.

Corner Module  
(Weight 35 lbs.)



Ramp Module  
(Weight 41.5 lbs.)

# CRUMB TO CUSHION...



Recycled Rubber Shard

2-Part Polyurethane Binder

160 Tons Pressure

Trafficop Module

# Sitecop

SPEED REDUCTION SYSTEMS

## Sitecop and SitecopPlus Effectively Control Speeds Under 20 mph...

- Commercial Parking Lots • Parking Garages
- Low Speed Roadways



### Modular Design Customized Configurations

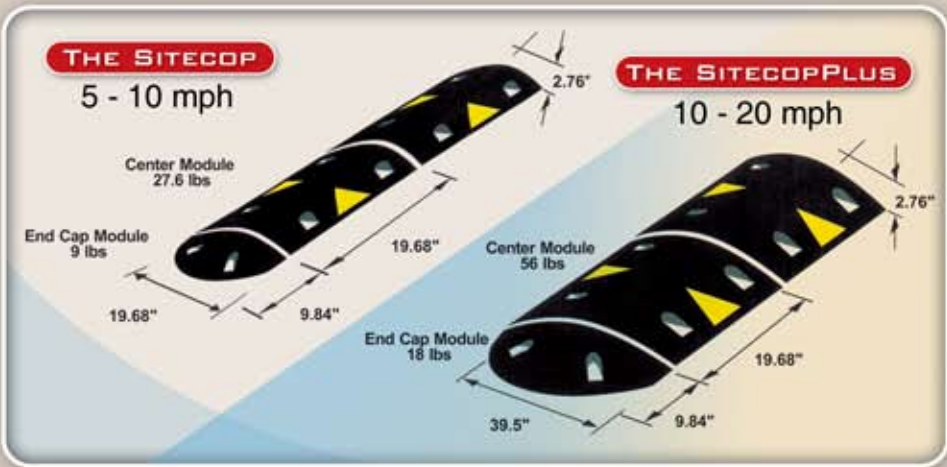


Sitecop and SitecopPlus offer a unique combination of features to meet a wide range of speed reduction and traffic calming applications.

- High visibility with molded-in reflective arrow markings
- Quick and easy to install and can be relocated
- Sitecop and SitecopPlus consist of center modules 19.68" wide and matching end cap module 9.84" wide
- Manufactured from hard wearing recycled rubber
- Configured for emergency vehicles



Sitecop System vs. Asphalt



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