

TRAFFIC SLOWING OPTIONS BY TRAFFICLOGIX FOR VILLAGE OF STONY CREEK

1) CONTINUOUS SPEED TABLE (forms raised crosswalk)

ADVANTAGES

- Doubles as a slowing device and a crosswalk
- Improves accessibility for pedestrians + visibility
- Consistent height

DISADVANTAGES

- Can't be used at an intersection
- Can impede emergency vehicle response speed

2) NON-CONTINUOUS SPEED TABLES

ADVANTAGES

- Easy to install without road closures

DISADVANTAGES

- Can't be used at crosswalk
- Not ADA compliant
- More expensive than speed cushions, priced at approximately \$5000. per location
- Can impede Emergency vehicle response time (number of seconds to be determined)

3) SPEED CUSHIONS

ADVANTAGES

- Less expensive than speed tables, priced at approximately \$3000. per location
- Do not impede/delay Emergency vehicle response time
- Easier than Continuous Speed Table for cyclists

DISADVANTAGES

- Can't be used at crosswalk
- Can't be used at crosswalk
- Can't be plowed over. Must be removed in Winter.
- Motorcyclists can pass at fast rate

ALL THREE OPTIONS HAVE THESE ATTRIBUTES:

- Permanent or temporary
- Exceptional durability
- Cost effective for longevity
- Driver Acceptance
- Neighborhood Friendly
- Not ADA compliant

Additional Notes for Consideration:

- Tables should not be used on slope in excess of 1:10 or be less than 1:25. Side slopes no greater than 1:6.
- Proper Signage and visibility are required in conjunction with any of the traffic slowing options.
- Road drainage will need to be considered.
- Cost of off loading shipment of tables/cushions onto smaller truck need to be factored into the overall cost.

Locations for Consideration:

- 1) On Thimble Island Road before Howd Ave.
- 2) On School Street
- 3) On Thimble Island Road between library and Squaw Brook Rd. to slow traffic for 2 nearby crosswalks.
- 4) On Thimble Island Road between Post Office and Beach
- 5) On Thimble Island Road between Buena Vista and Linden Point Roads

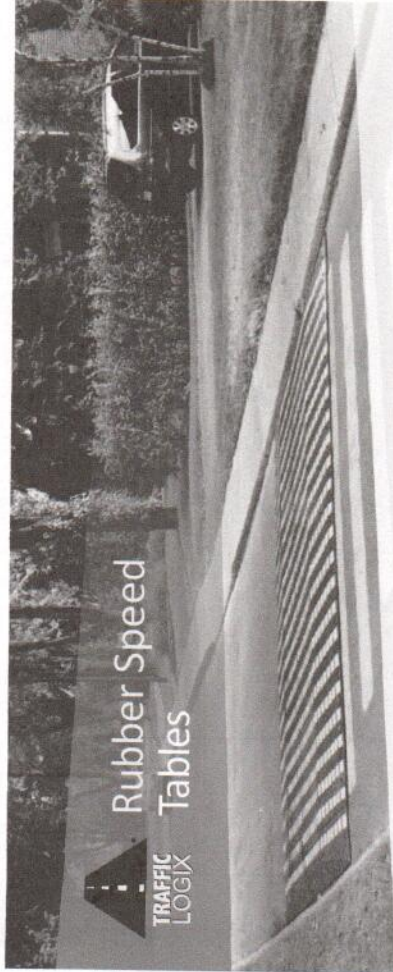


Trails

Dedicated lanes

Bicycle-friendly roads

Dirt/unpaved trails



TRAFFIC LOGIX
Rubber Speed Tables

Speed tables are flat-topped speed humps allowing in most cases, for the entire vehicle wheelbase to rest on top of the table. The flat top design allows vehicles to maintain slightly higher speeds than they would on speed humps, slowing vehicles to table designed speeds of 20-30 mph. This makes speed tables an ideal solution for roads with residential speed limits of 35 mph or roads where there is very heavy vehicular traffic.

Advantages

- Consistent height • Installation can be permanent or temporary • Tables can be removed and reinstalled
- No road closures nor heavy duty equipment are required for installation or for removal • Exceptional durability • Cost effective for longevity, multi-use, driver acceptance, neighborhood friendly.



Speed Tables

Features

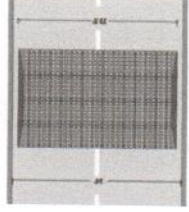
- The flat top of speed tables slows cars less aggressively than speed humps to 20-25 mph.
- Traffic logix speed cushions are constructed of patented interlocking units that snap together like puzzle pieces.
- The 18" units that can be constructed to create speed cushions of any width or length.
- Choice of bright yellow or white highway tape is embedded into each unit so that cushions are highly visible to drivers.
- Customizable with choice of striping and/or single or double chevron arrows.
- Environmentally friendly cushions are made of 100% recycled rubber.
- Speed cushions can be removed and reinstalled for road resurfacing or snow.
- Cost effective rubber tables are long lasting and durable, and do not require frequent replacements like asphalt ones do.
- Rubber units are already molded to specifications for uniform installations and better driver acceptance.
- Quick and easy to install without any road closures or skilled labor required.

General Specifications

For best traffic calming measures, speed tables should be installed in a series within distances of 200 - 500 feet apart from one another. Traffic Logix speed tables are 3 inches high. Most often used in lengths are 14', 21' or 24.5 feet. Traffic logix recycled rubber speed tables can be adapted to any road width in increments of 18".

Traffic Logix Speed Tables are constructed of patented 18" wide x 42" long tongue and groove interlocking modules that when joined together form a solid multi-module unit. Each module is bolted into the pavement with 7" rust resistant bolts, washers and special 7" plastic anchors. The tongue and groove modules greatly assist in adding to speed table stability both during and after installation.

Feature	Specifications
Unit Specs	
Width	18"
Length	42"
Thickness	3"
Speed table Specs:	
Width	from 84" & up, by 18" increments
Length	from 72" & up, by 42" increments
Height	3" or 4"
Standard Speed Table Specs:	
Width	14' or 21'
Length	84"
Height	3" or 4"
Warranty	2 Years
Physical properties	
Material	100% recycled synthetic and natural rubber composite
Tensile strength	minimum 500 psi
Shore hardness	minimum 70A
Specific gravity	1.1
Markings	rubber modules are available in all black, black with yellow or white reflective square markings, or with white reflective arrow chevrons



Height	3"
Length	14'
Width	any width
(width above is 22.5')	
Interlocking Units	MSH03 26 units
	MSH33 26 units
	LSH03 2 units
	RSH03 2 units
	LSH33 2 units
	RSH33 2 units



Height	3"
Length	21'
Width	any width
(width above is 22.5')	
Interlocking Units	MSH03 26 units
	MSH33 52 units
	LSH03 2 units
	RSH03 2 units
	LSH33 4 units
	RSH33 4 units

* Common Table sizes: 14' L x 3' H x various widths in 18" increments 21' L x 3' H x various widths in 18" increments 24.5' L x 3' H x various widths in 18" increments Additional sizes available 14" can be used as raised crosswalk with white square surface markings. Ends not ADA compliant but wheelchair traversable

* Standard markings: Markings are embedded into rubber during manufacturing process. Reflective material in Yellow or White Squares Reflective material in White Arrows



Striping is available in square or arrow patterns and in yellow, white or black (no tape). Please contact us for more information

14' Table Profile



Rubber Speed Cushions

Speed cushions are raised devices similar to speed humps but in smaller widths and designed not to impede or slow down emergency response vehicles, yet still slow other vehicles. These ERV's have wider wheel tracks which permits them to straddle the cushion. Other vehicles with their narrower wheel tracks cannot miss the cushion causing those target vehicles to slow down. Speed cushions are placed across the width of the road leaving gaps between them for ERV's tire passage and drainage.

Advantages

- Consistent height • Installation can be permanent or temporary • Cushions can be removed and reinstalled • No road closures nor heavy duty equipment are required for installation or for removal
- Exceptional durability • Cost effective for longevity, multi-use, driver acceptance, neighborhood friendly.



Speed Cushions

Features

- Installed as several small speed humps placed across the width of the road leaving gaps or spacing between them.
- Traffic Logix speed cushions are constructed of patented interlocking units that snap together like puzzle pieces.
- The 18" units that can be constructed to create speed cushions of any width or length.
- Choice of bright yellow or white reflective highway tape is embedded into each unit so that cushions are highly visible to drivers.
- Customizable with choice of striping and/or single or double chevron arrows.
- Environmentally friendly cushions are made of 100% recycled rubber.
- Speed cushions can be installed permanently or removed and reinstalled for road repairs or resurfacing.
- Cost effective rubber cushions are long lasting and durable, and do not require frequent maintenance and replacement like asphalt cushions.
- Rubber units are already molded to specifications for uniform installations and better driver acceptance.
- Quick and easy to install without road closures.

General Specifications

The sloped design over a 7, 10.5, 14 or 21 foot length causes vehicles to slow down without coming to a halt. Rapidly becoming the preferred and a very cost effective method of traffic calming, speed cushions are also available in a variety of patterns that can be mixed or matched. They are ideal for roads with posted speed limits under 30 mph and offer designed speeds of 10-25 mph depending upon length.

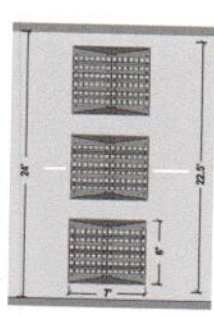
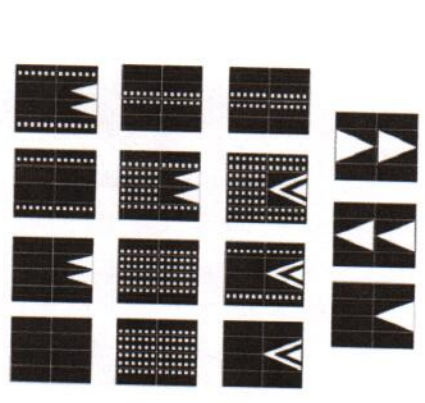
For best traffic calming measures, speed cushions should be installed in a series within distances of 200 - 500 feet apart from one another. Most common lengths are 7, 10.5 and 14'. Traffic Logix recycled rubber speed cushions can be adapted to any road width. Traffic Logix Speed Cushions are constructed of patented 18" wide x 42" long tongue and groove interlocking modules that when joined together form a solid multi-module unit. Each module is bolted into the pavement with 7" rust resistant bolts, washers and special 7" plastic anchors. The tongue and groove modules greatly assist in adding to speed cushion stability both during and after installation.

Feature	Specifications
Dimensions of the modules	
Width	18" (+/- 1/16")
Length	42" (+/- 1/8")
Thickness	3" (+/- 1/8")
Speed Cushion Specs:	
Width	from 36" & up, by 18" increments
Length	from 72" & up by 42" increments
Height	3"
Standard Speed Cushion Specs:	
Width	72"
Length	84"
Height	3"
Warranty	2 Years
Physical properties	
Material	100% recycled synthetic and natural rubber composite
Tensile strength	minimum 500 psi
Shore hardness	minimum 70A
Specific gravity	1.1
Markings	rubber modules are available in all black, black with yellow or white reflective square markings, or with white reflective arrow chevrons

* Standard Cushion sizes: 7' L x 3" H x 6' W

10.5' L x 3" H x 6' W - 14' L x 3" H x 6' W

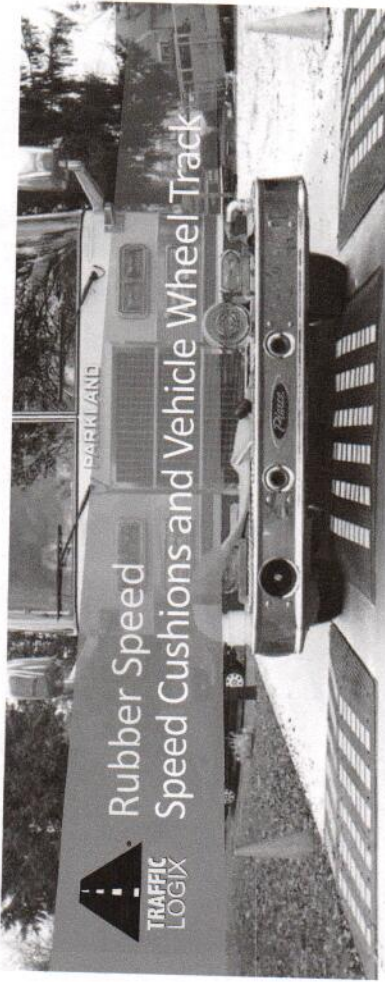
* Standard markings: Markings are embedded into rubber during manufacturing process. Reflective material in Yellow or White Squares or Reflective material in White Arrows or in combination. Yellow arrows are not available.



Unit Specifications

Interlocking Units	MSH03	4 units
	LSH03	2 units
	RSH03	2 units
Entrance and exit gradient		7%
Side gradient		35%

7' Table Profile



Speed cushions aim to slow cars just as speed humps do but without interfering with emergency vehicles. It's easy to be wary of that claim. Can't other vehicles straddle the cushions too? Can emergency vehicles really ride over them without slowing?

For speed cushions to be effective, the sizing has to be precise; narrow enough for emergency vehicles to straddle but wide enough that typical vehicles can't. At 72", the Traffic Logix rubber speed cushions do just that. The chart below outlines typical vehicles wheel tracks, demonstrating the premise that Traffic Logix speed cushions are effective in slowing traffic, while narrow enough for typical ambulances and firetrucks to ride right over.

SUV	Wheel Track (in)
EQUINOX	63"
ESCAPE	62"
EXPEDITION/EXPLORER	67"
SEQUOIA	68"
SUBURBAN/TAHOE	68"
YUKON/YUKON XL	68"
LAND CRUISER	65"

Trucks	Wheel Track (in)
EXPRESS	68"
F-150	67"
F-250/F350	68"
FRONTIER	62"
GMC 1500/2500/3500	69"
RAM 1500	68"
RAM 2500	69"
SILVERADO	69"
TACOMA	61"
TITAN	68"
TRANSIT	69"
TUNDRA	68"

Ambulance	Wheel Track (in)
F-450 CHASSIS	75"
GMC CHASSIS	75"
LIFE LINE	72"-75"
DEMERS	75"-79"

Fire Truck	Wheel Track (in)
H & W	74"-83"
PIERCE	76"-84"
FREIGHTLINER	75"-79"
KENWORTH	75"-79"
INTERNATIONAL	75"-79"
SPARTAN	75"-79"

Auto	Wheel Track (in)
ACCORD	61"
AUDI	62"-65"
BMW	60"-63"
LA CROSSE/REGAL	62"
VERANO	60"
CADILLAC	60"-62"
CAMARO	64"
CORVETTE	63"
IMPALA/MALIBU	62"
CHALLENGER/CHARGER	63"
CHRYSLER 200	62"
CHRYSLER 300	63"
DART	62"

Auto	Wheel Track (in)
FOCUS	61"
FUSION	63"
TAURUS	66"
MUSTANG	62"
INFINITI	60"-62"
JAGUAR	61"-64"
JETTA	60"
LEXUS	60"-64"
MERCEDES	60"-64"
ALTIMA/MAXIMA	62"
SENTRA	60"
CAMRY/AVALON	63"
COROLLA	60"



Traffic Logix Inc.
 3 Harriet Lane, Spring Valley, NY 10977
 Tel: 1-866-915-6449
 Fax: 1-844-405-6449
 www.trafficlogix.com

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O** First Name: Christine
 Last Name: Chiocchio
 Phone: 2034812062
 Email: christine224@me.com
 City: Branford
 State: CT

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SPEED TABLE
Yellow Tape
NUMBER
G170403
TODAY'S DATE
4/3/2017
WE PROVIDE MULTIPLE TRAFFIC CALMING SOLUTIONS
COMMENTS
assumes Dock,Fork Lift, Pallet Jack are available at delivery site.

CUSTOMER NUMBER	CUSTOMER PO	ACCOUNT MANAGER	<i>Thank you for allowing us to quote on your requirements</i>
DATE ORDERED	SHIP VIA	Mark Gregory	
	GRND	MGREGORY@TRAFFICLOGIX.COM	
		Cell: 518.744.8568	

LINE	Ordered		PART NUMBER	DESCRIPTION	UNIT PRICE	EXTENSION
2			13.5X14TY	14FT SPEED TABLE X 13.5FT WIDE YELLOW TAPE	\$ 4,972.00	\$ 9,944.00
	28	each	MSH03-Y	Ramp Taper - YELLOW TAPE	<i>included</i>	
	4	each	LSH03-Y	Left Tapered End Cap YELLOW TAPE	<i>included</i>	
	4	each	RSH03-Y	Right Tapered End Cap YELLOW TAPE	<i>included</i>	
	28	each	MSH33-Y	Middle side Ramp Taper YELLOW TAPE	<i>included</i>	
	4	each	LSH33-Y	Left side Tapered End Cap YELLOW TAPE	<i>included</i>	
	4	each	RSH33-Y	Right Side Tapered End Cap YELLOW TAPE	<i>included</i>	
	450	each	7IN-BLT	7" Rust Resistant Bolts	<i>included</i>	
	450	each	7IN-PLS ANC	7" Rust Plastic Anchor	<i>included</i>	
	450	each	7IN- WAH	washers	<i>included</i>	
	2	each	R- ANCHR	Anchor Tools	<i>included</i>	
	34	each	PU-140	Epoxy Tubes	<i>included</i>	
	1	each	PU-D	Epoxy Dispenser	<i>included</i>	
Shipping cost assumes that there is access for 53' Truck, loading dock and Pallet Jack on site.					\$ 65.00	\$ 65.00
Freight chagres to SHIP TO ADDRESS					Total	\$ 10,009.00
						tbd

Terms: 1% - 10 Days - Net 30 • We also accept: MC - VISA - AMEX - DISCOVER

IF TAX EXEMPT Please Provide Tax Exempt Certificate with Order

QUOTATION TOTALS

\$ 10,009.00

SIGNATURE: _____ **DATE:** _____

To place order, please return to: Thank You for your order.

E-mail: MGREGORY@TRAFFICLOGIX.COM

14ft CUSHION TABLE ARROW

User: MGREGORY@TRAFFICLOGIX.COM

Street width(ft): 16

Solution name: 14ft CUSHION TABLE ARROW

Number of lanes: 2

Address:

Status: Draft

City:

Solution type: Speed Cushion

State:

Number of cushions: 2

Zip:

Same width: YES

Country:

Cushion width(ft): 6

Cushion length(ft): 14

FINAL CONFIGURATION

# Units	Product #	Length(in)	Width(in)	Height(in)	Weight(lb.)
4	MSH03-B	42	18	0 - 3	50
4	LSH03-B	42	18	0 - 3	48
4	RSH03-B	42	18	0 - 3	48
8	MSH33-B	42	18	3 - 3	75
4	LSH33-B	42	18	3 - 3	68
4	RSH33-B	42	18	3 - 3	68
4	MSH03-A	42	18	0 - 3	50



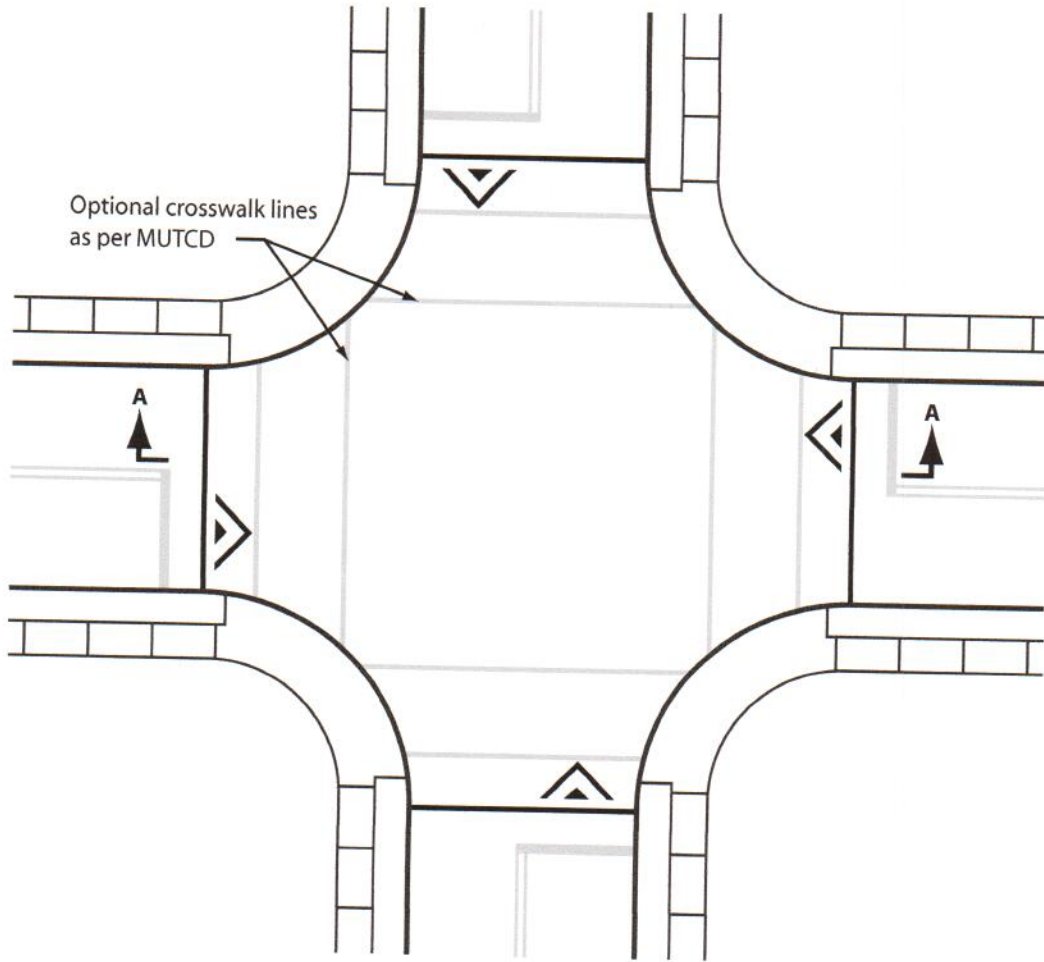
Traffic Logix Corporation
3 Harriet Lane
Spring Valley, New York 10977

RUBBER: Conditional Use Terms

1. Traffic Logix traffic calming devices (the "Traffic Calming Products") are designed to be installed on local residential streets with posted speeds of 30 mph or less. Prior to installation, the Customer should determine if any federal, state, or local regulations govern the installation or use of Traffic Calming Products.
2. The installation location of any Traffic Calming Product should be reviewed by a Traffic Engineer.
3. Traffic Calming Products should only be used on roads with less than 5000 vehicles per day.
4. Traffic Calming Products should be installed only on roads that are used primarily by passenger vehicles.
5. Traffic Calming Products should be installed in such a way that they are visible from at least 200 feet. For safe usage, Traffic Logix products must be installed in conjunction with appropriate signage in accordance with ITE's State of the Practice on Traffic Calming, as well as ITE's Manual on Uniformed Traffic Control Devices.
6. Traffic Calming Products should not be installed on roadways that have more than an 8% grade.
7. Traffic Calming Products should be installed with a minimum of 3 inches of asphalt underneath the device.
8. All bolts and shields must be installed.
9. Quarterly inspection of each Traffic Calming Product is required. If the Traffic Calming Product has been damaged in any way, it should be replaced.
10. Traffic Logix Products must be removed prior to the first snowfall, and should only be reinstalled in non-winter months.

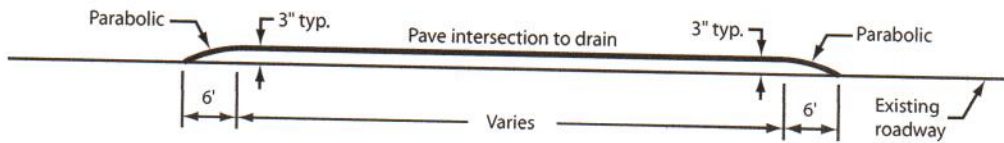
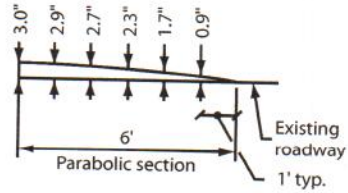
Construction Detail

Not to Scale



Note:

1. Materials must be approved by Resident Maintenance Engineer.
2. Decorative asphalt paving may be used if in accordance with SCDOT standards.
3. Provide drainage inlets or piping as necessary.

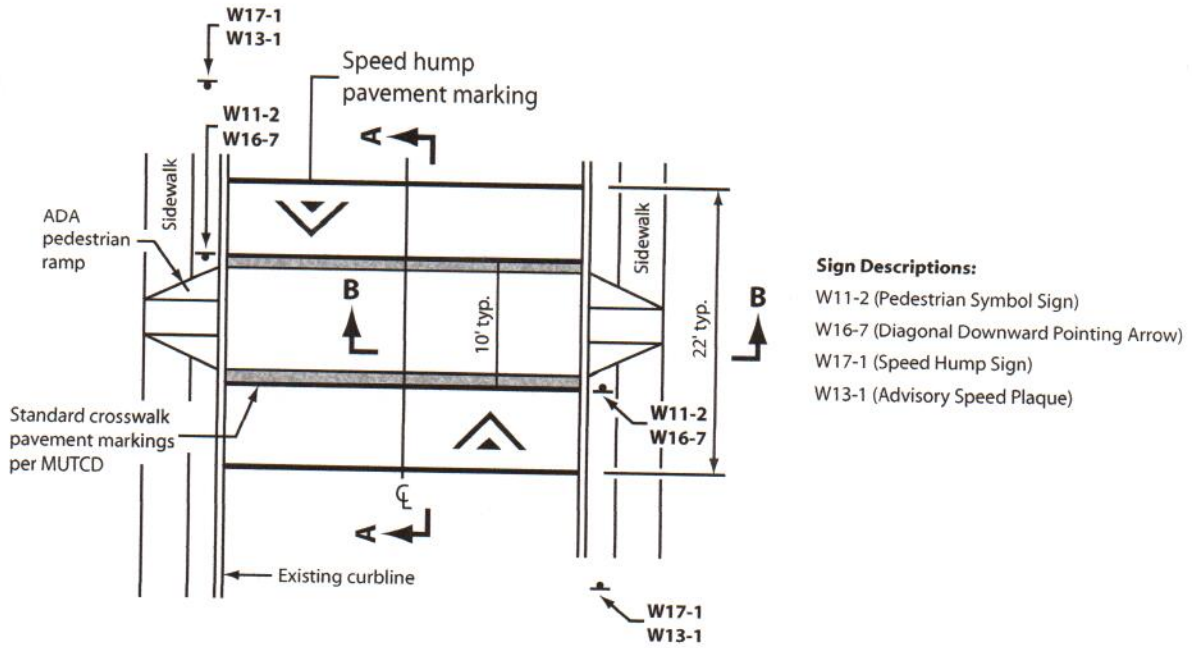


Section A-A

TYPICAL RAISED INTERSECTION

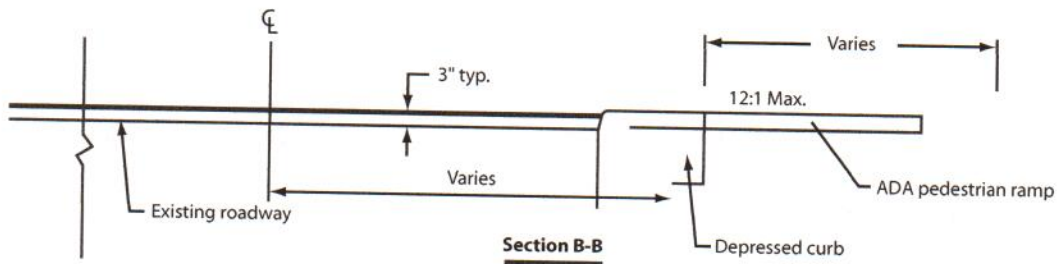
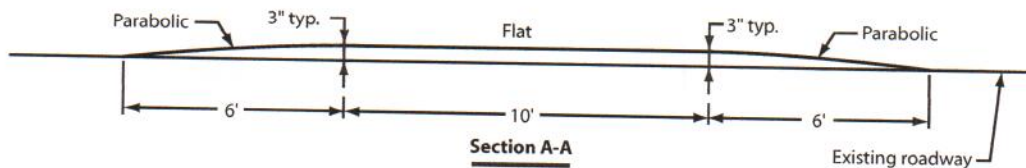
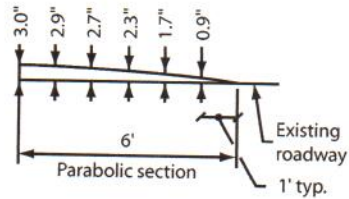
Construction Detail

Not to Scale



Note:

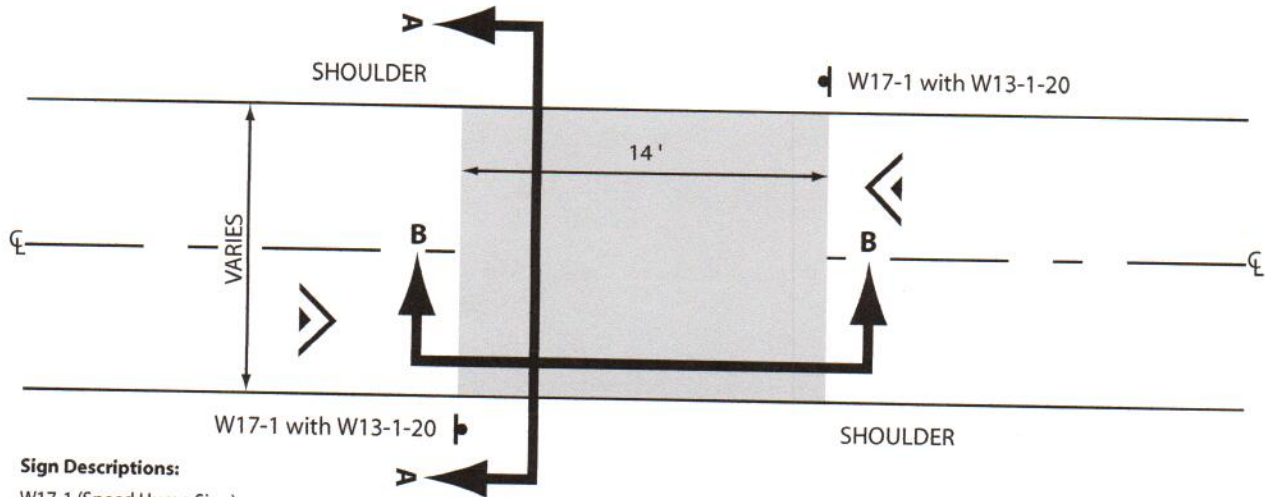
1. Materials must be approved by Resident Maintenance Engineer.
2. Decorative asphalt paving may be used if in accordance with SCDOT standards.
3. Provide drainage inlets or piping as necessary.



TYPICAL RAISED CROSSWALK

Construction Detail

Not to Scale



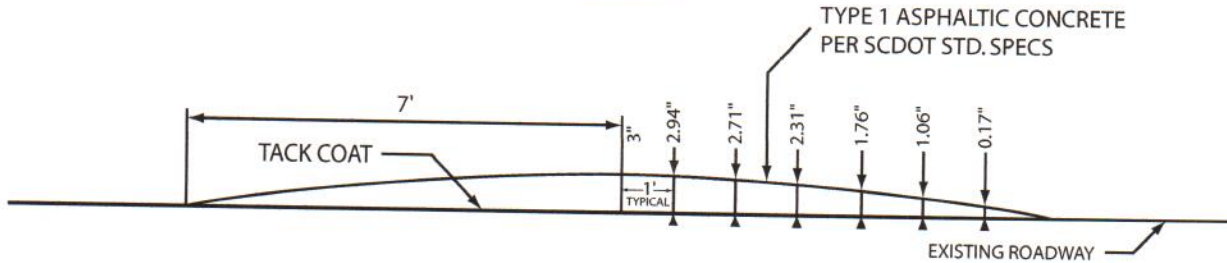
Sign Descriptions:

- W17-1 (Speed Hump Sign)
- W13-1 (Advisory Speed Plaque)

* Use 12" taper with curb & gutter, not encroaching into gutter area.



Section A-A



PARABOLIC CROWN

Section B-B

Note:

1. Materials must be approved by Resident Maintenance Engineer.
2. Decorative asphalt paving may be used if in accordance with SCDOT standards.

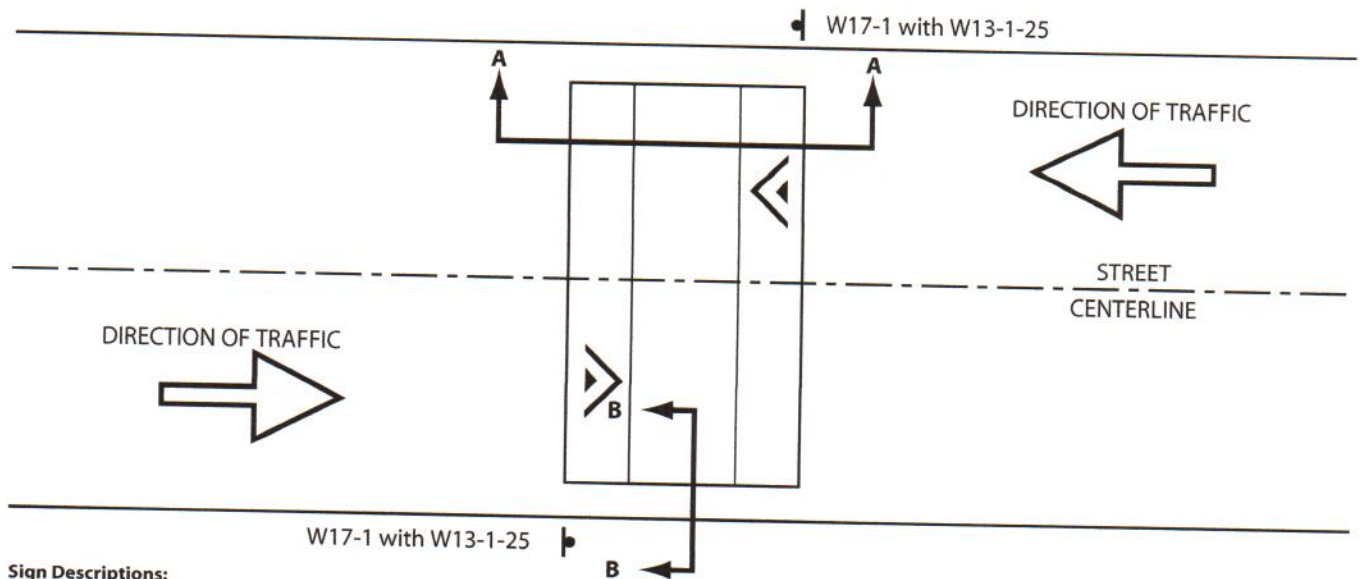
PARABOLIC SPEED HUMP

For use on roadways with ADTs ≤ 2,000

Same side view as Speed cushion

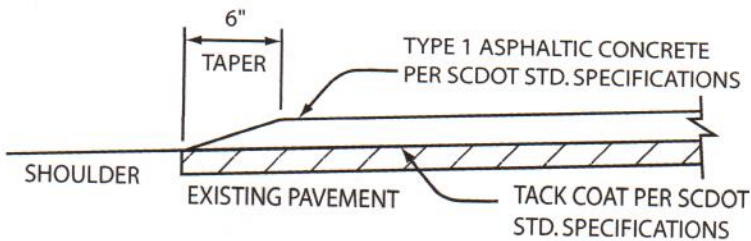
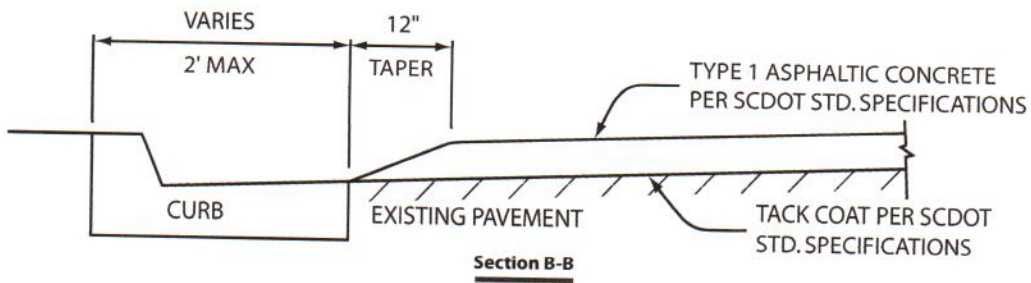
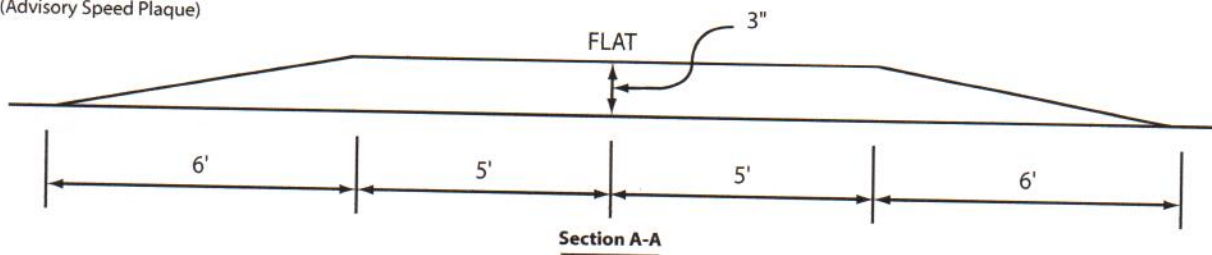
Construction Detail

Not to Scale



Sign Descriptions:

- W17-1 (Speed Hump Sign)
- W13-1 (Advisory Speed Plaque)



Note:

1. Materials must be approved by Resident Maintenance Engineer.
2. Decorative asphalt paving may be used if in accordance with SCDOT standards.

Shoulder Detail for Street Without Curbs

FLAT-TOPPED SPEED HUMP

Eligible for use on roadways with ADTs $\leq 4,000$

Also called Speed Table

14ft CUSHION TABLE ARROW

User: MGREGORY@TRAFFICLOGIX.COM

Street width(ft): 16

Solution name: 14ft CUSHION TABLE ARROW

Number of lanes: 2

Address:

Status: Draft

City:

Solution type: Speed Cushion

State:

Number of cushions: 2

Zip:

Same width: YES

Country:

Cushion width(ft): 6

Cushion length(ft): 14

FINAL CONFIGURATION

# Units	Product #	Length(in)	Width(in)	Height(in)	Weight(lb.)
4	MSH03-B	42	18	0 - 3	50
4	LSH03-B	42	18	0 - 3	48
4	RSH03-B	42	18	0 - 3	48
8	MSH33-B	42	18	3 - 3	75
4	LSH33-B	42	18	3 - 3	68
4	RSH33-B	42	18	3 - 3	68
4	MSH03-A	42	18	0 - 3	50