

Mini Humps

The Safety Rider mini hump is a unique modular calming device designed to safely slow traffic while maintaining continuous traffic flow. Moulded bright reflective tape alerts drivers well in advance. Safety Rider is sold in modular units with a "tongue and groove" system, allowing any width of speed hump to be created. End caps are available to give a smooth finish to the ends of the hump.



Installation Guide



Aligning the first row

Drilling the holes

Installing the hardware

Halfway there

Components

- Modular Calming System sections
- Lag bolts 3/8" dia., 4" long – 6 per section (included)
- Plastic shields (anchors) for 9/16" holes – 6 per section (included)

Installation Tools

- Chalk
- Measuring tape
- Heavy duty hammer drill
- Drill bits – carbide tip, 9/16" dia., 10-12" long
- Tool for installing the plastic shields
- Hammer
- Sledge hammer (for final adjustment)
- 11/16" drive socket with an extension and power tool
- Street broom
- Utility knife
- Crow bars, gooseneck wrecking bars
- Portable blower for cleaning installation holes

Safety Equipment

Gloves, safety glasses, Traffic cones, drums or barricades for securing the site

Crew

2-4 installers (depending on the solution installed)

Installation Instructions

Step 1:

Determine the location of the traffic calming device and use chalk to mark the center lines (parallel and perpendicular to the direction of the street) and border lines on the surface. (See figure 1.)

Step 2:

Assemble and position the first row of units, starting from the center line (parallel to the direction of the street). If the total number of rows (left to right) is even, start the first row as per figure 2. If the total is odd, start as per figure 3. Figure 4 illustrates how to interlock the units. Note: Make sure the units are tight and well aligned before moving on to step 3.

Step 3:

Drill 9/16" dia. holes into the surface, through the existing holes of the placed units. The holes should be 4"-5" deep in order to accommodate the plastic shields that are 3" long. After each hole is drilled, insert a plastic shield in order to keep the units from shifting. Use the shield installation tool to hammer down the shield until the flange rests on the washer which is molded into the unit's hole. (see figure 5.) Note: Make sure the holes are clear of dust and debris before installing the shields. (A portable blower is useful for this purpose.)

Step 4:

Bolt down each unit with the provided lag bolts and washers. Do not over tighten.

Step 5:

Follow the above instruction to install the next row of units. Continue installing rows till half the width of the street is covered. Then, proceed to the other half. This order allows traffic to flow through half the street at any given Time.

Figure 1

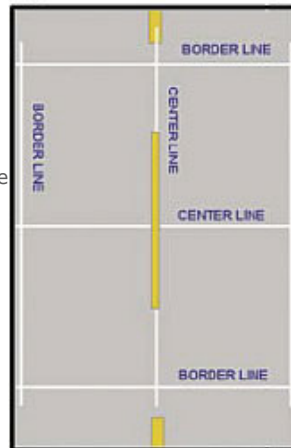


Figure 2

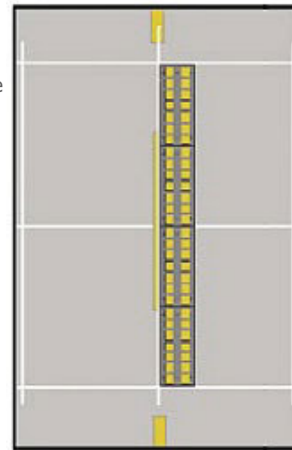


Figure 3

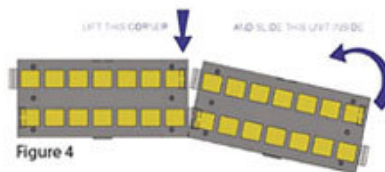
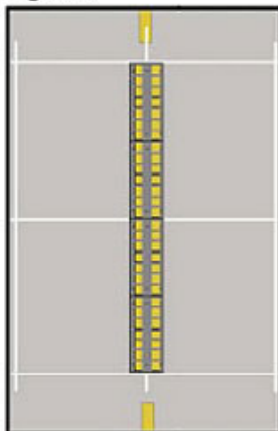


Figure 4



Figure 5

Maintenance

The Modular Calming System requires minimal maintenance. Periodically inspect the bolts and tighten if necessary.