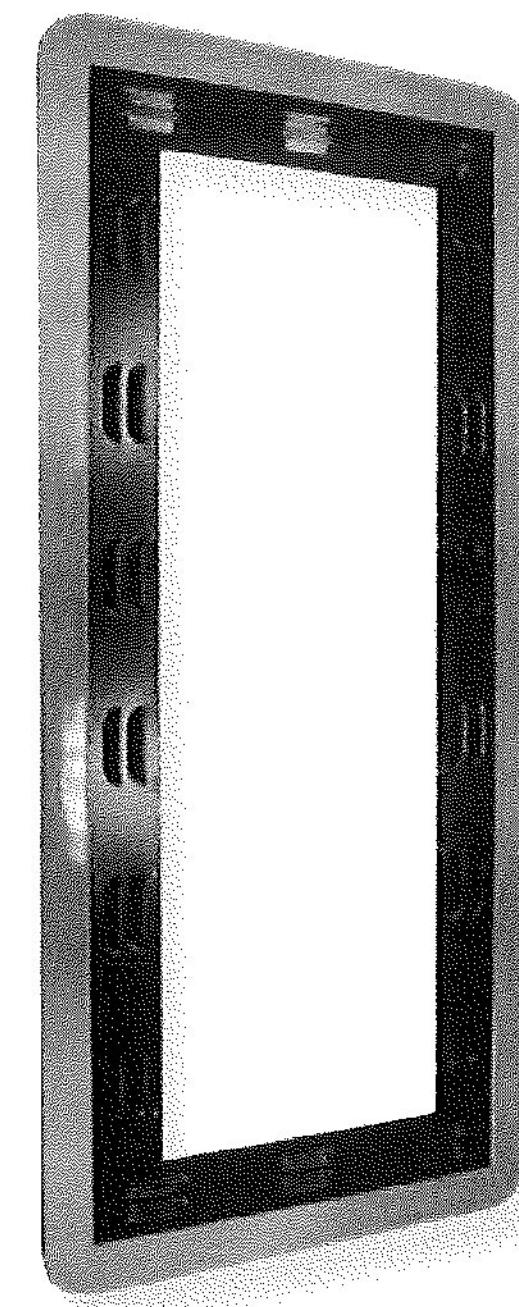


Backplates with Retroreflective Borders

APPROVED
By Erin Lewis at 5:11 pm, Jul 28, 2016



Shown is a 3-Section Louvered Version

Cabinets
Controllers
Signals
Signs
Software
Specialty

Overview

McCain's Backplates for traffic signals provide a visual contrast between signal heads and the background enhancing signal visibility that is further improved with the use of retroreflective tape around the border of the backplate. The use of retroreflective tape has received approval from the Federal Highway Administration (FHWA), *MUTCD-Interim Approval for Use of Retroreflective Border on Signal Backplates*, February 6, 2004. A seven-year safety study showed that the use of retroreflective backplate borders reduced total crashes at intersections by 15% to 24%. Backplates with retroreflective borders provide an aesthetically pleasing and functional look in addition to increased traffic safety for your intersections.

Benefits and Features

- Enhanced signal visibility
- 1", 2", or 3" Retroreflective tape border
- Available in 1-section thru 5-section in-line, and 5-section cluster configurations
- Fits 8" and 12" signals
- 5" overall width
- Louvered and non-louvered
- Standard flat black powder coat face
- Compatible with most standard signal mountings

Product Description

McCain's Backplates with retroreflective borders for standard traffic signals fit both 8" and 12" signal heads, are fabricated from louvered aluminum, and have five-inch borders. They accommodate retroreflective tape widths of one inch, two inches, or three inches around the perimeter of the backplates.

The backplate aluminum is 0.050" thick and is powder coated flat black for increased visual contrast against the background.

McCain backplates are configured for one-section to five-section in-line or five-section cluster signals. All the in-line backplates are fabricated from one solid piece of aluminum. The five-section cluster backplate is a three-piece design.

The retroreflective tape is specially designed by 3M for vertical mounting and comes in two options:

- 3M 3930 Series High Intensity Prismatic Reflective Sheeting
- 3M 3990 Series Diamond Grade VIP Reflective Sheeting

Backplates shall be 3, 4 & 5-Section Louvered Aluminum with 2" Reflective Tape, Fluorescent Yellow 3M # 4081