Enhanced Conspicuity for Roadway Safety

3M Linear Delineation System (LDS)

- 3M Series 340 Linear Delineation System Panels are an economical and durable solution for the linear reflectorization of concrete barriers and metal guardrails.
- ◆ The LDS panels are fabricated from 3M[™] Diamond Grade[™] Reflective Sheeting, and are laminated onto a thin gauge of aluminum and formed to a unique shape which provides retroreflection across a very wide range of entrance and observation angles.
- The LDS panels are available in white and red, fluorescent yellow and fluorescent orange colors. Fluorescent colors provide increased visibility from dawn to dusk, as well as at night.



Series 344 4" x 34" (Low Profile)

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Series 346 6" x 34" (Deep-Profile)

- **Compatibility:** Designed for Concrete Barriers and can also be used on Metal Guardrails.
- **Colors:** White, Fluorescent Yellow, Fluorescent Orange, or Red.
- Installation on Concrete Barriers: Use 3M Windo-Weld Super Fast Urethane Adhesive (12 tubes per 120 panels needed) -or- use Anchor Bold Method.*
- Installation on Guardrails: Install 3M Guardrail Brackets with 3M Windo-Weld Super Fast Urethane Adhesive and insert panels into brackets.*

*See Installation Guide for more information.

Proven technology for increased safety.

3M's linear delineation system is designed to enhance driver safety where there is a need to call attention to a changed or changing condition such as an abrupt roadway narrowing or curvature, or to provide guidance through a work zone. Common applications include: ✓ Curved Roadways ✓ Tunnel Approach ✓ Entrance and Exit Ramps ✓ Bridges

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Series 341 1.5" x 31" (Deep-Profile)

- Compatibility: Designed to fit into Metal Guardrails troughs and can also be used on Concrete Barriers.
- **Colors:** White or Fluorescent Yellow.
- Installation on Guardrails: Peel off the VHB adhesive tape and stick to guardrail surface. Surface must be clean and free of debris for proper adhesion.*
- Installation on Concrete Barriers: 3M Spray 90 Adhesive must be used to unify the surface and improve the tape bond.*



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Concrete Jersey Barrier Reflectors

- PCBM: portable concrete barrier markers are made of high-impact thermoplastics for long, maintenance-free life in the field.
- A variety of styles meet all your needs from high target value to impact resistance.
- Sheeting: diamond grade, high intensity or super high intensity prismatic.
- Typical applications of PCBMs for delineation of:
 - ✓ Temporary concrete barrier walls
 - ✓ Concrete bridge parapets
- ✓ Permanent concrete barrier walls
- \checkmark On top of wooden guardrail posts



A flexible polyurethane marker with double-sided prismatic reflective sheeting mounts to moveable steel guardrail or median barrier walls for temporary or permanent installations Standard with factoryapplied adhesive pad.

Guardrail Reflectors



Flexible Marker Barrier mount reflector with polyurethane hinge and 12 sq in. of reflective sheeting.

PCBM-12

With over 12 square inches of reflective sheeting and the versatility of either top or side mount placement, this is our most popular marker!



PCBM-9 MUTCD

compliant and economical barrier mount reflector that can be used for top or side mount delineation.

Illuminate invisible guardrails at night with bright reflective markers that provide clear delineation.

 Guardrail markers are manufactured with engineering resins and are designed to endure the rigors of construction work zones and permanent installations.

- Sheeting: diamond grade, high intensity or super high intensity prismatic
- Typical applications:
 - \checkmark W-beam guardrails \checkmark Wood and steel guardrail posts
 - ✓ Bridge approaches ✓ Hills, curves, gores, off-ramps



Butterfly Guardrail reflectors fit perfectly inside W-beam guardrails.



4" x 8.745" reflector with flexible polyurethane hinge that bends easily and bounces back. The S-Flex mounts to wood or steel guardrail posts. Designed for cold weather environments to prevent loss of reflective tape during subzero temperatures.

S-Flex Hinge

I-Beam Flex Hinge Fits over steel I-beam guardrail posts with polyurethane hinge.



Post Markers

Both markers are 27" long and accommodate 36 square inches of sheeting. Can be mounted on guardrail posts positioning the reflectors 48" above the road surface.



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