NU-GUARD™-31

NU-GUARD™-31. A REVOLUTIONARY W-BEAM GUARDRAIL SYSTEM.

NU-GUARD™-31 is a W-beam guardrail post system that combines NCHRP 350 (TL-3 *and* TL-4) and MASH (TL-3) compliance with a design that makes installation and repairs simple, fast and inexpensive.

Innovative Energy Dissipation

Specially designed 5 lb. /ft. RIB-BAK® U-channel steel posts allow a standard W-beam guardrail to rise during impact with the vehicle, dissipating energy in an innovative way, resulting in a smoother, more predictable redirection. The posts are available galvanized or powder coated to prohibit rust and promote longer life.

Crash Tested and NCHRP 350 (TL-3 *and* TL-4) and MASH Compliant

The FHWA-accepted NU-GUARD-31 system can be used in strong post applications along roads or in medians.

No Offset Blocks or Thrie-Beam Needed to Meet TL-4

NU-GUARD-31 eliminates the need for offset blocks or heavy, expensive thrie-beam guardrail. Standard bolts with a specially designed washer are all you need to attach a standard W-beam guardrail to the uniquely designed posts.

Easiest, Fastest and Most Economical to Install

The revolutionary system is much faster, easier and less costly to install than traditional wood or I-beam post systems. The RIB-BAK U-channel steel posts are quickly and easily direct-driven into the ground or through asphalt to the proper depth. With no holes to auger, total installation time is dramatically faster than with standard post systems.

Test Level 3 crash test of NU-GUARD-31 design.

	NU-GUARD™-31
Guardrail	Standard W-beam (AASHTO M-180 Class A or B, Type II)
W-Beam Height	31”
RIB-BAK® U-Channel	5 lb./ft. 6’6” Nucor Grade SP-80
Offset Blocks	Not Required
NCHRP 350 Tested	TL-3 & TL-4 Compliant
MASH Tested	MASH TL-3 Compliant

NU-GUARD™-31

STRONG POST GUARDRAIL SYSTEM

NEW W-BEAM GUARDRAIL SYSTEM WITHOUT OFFSET BLOCKS

NUCOR

NUCOR STEEL MARION, INC.

PROVEN STRENGTH THAT SAVES LIVES.

NU-GUARD™-31 strong post guardrail system is available for use without offset blocks. The system is crash-test proven to guard against roadside collisions with fixed objects or hazards.

Systems features include:

- Tested to meet NCHRP 350 (TL-3 and TL-4) and MASH (TL-3) criteria.
- Innovative energy dissipation – standard w-beam rises during impact, resulting in a smoother, more predictable redirection.
- RIB-BAK® 5 lb./ft. U-Channel post is easier and faster to install than wood or I-beam posts.
- Approved for both roadside or median applications.
- RIB-BAK U-Channel steel posts available as galvanized or powder coated.

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RIB-BAK® U-Channel	5 lb./ft. 6'6" Nucor Grade SP-80
Offset Blocks	Not required
NCHRP 350 Tested	TL-3 & TL-4 Compliant
MASH Tested	MASH TL-3 Compliant

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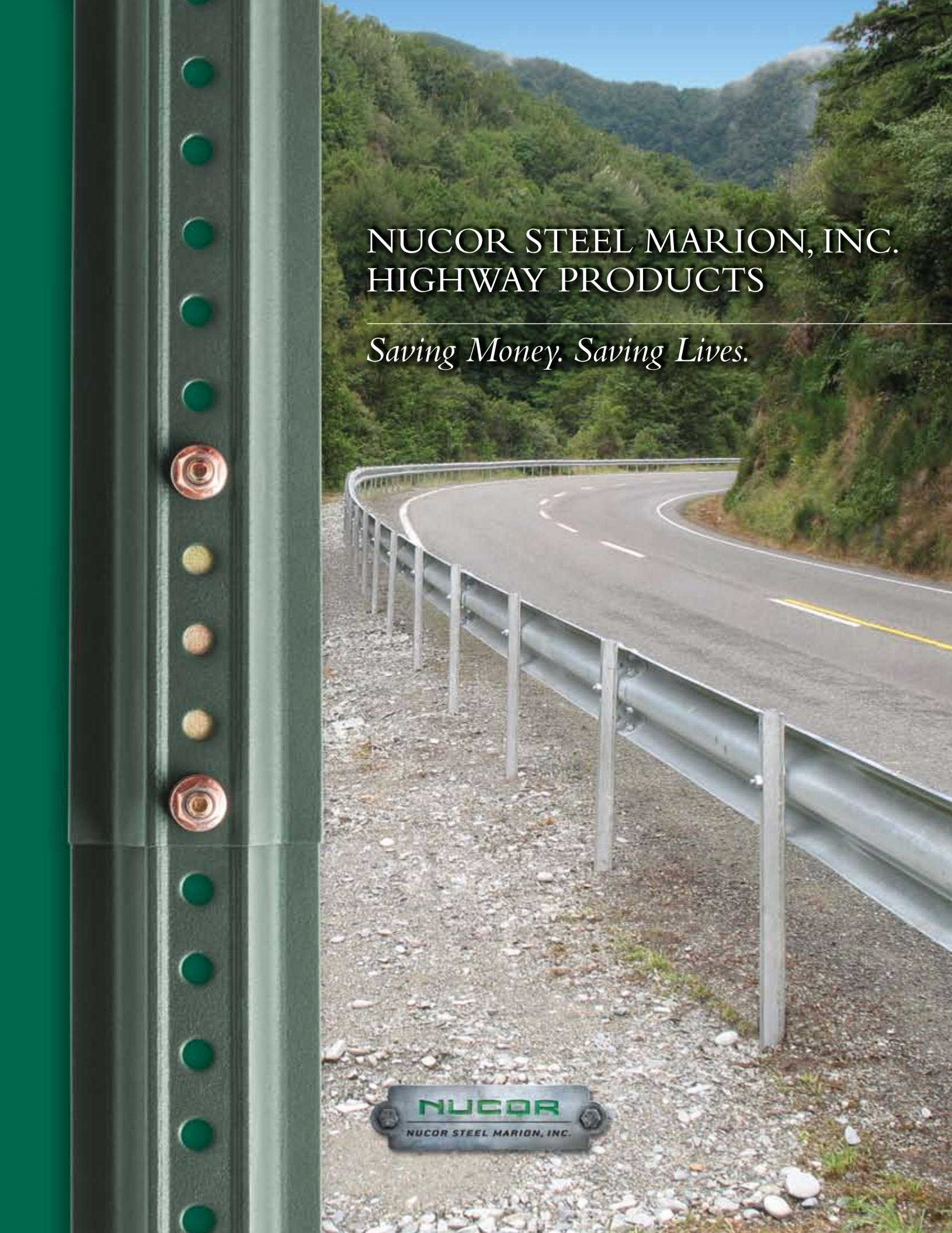
It's Our Nature.

SAVING MONEY. SAVING LIVES.



NUCOR STEEL MARION, INC.
HIGHWAY PRODUCTS

Saving Money. Saving Lives.