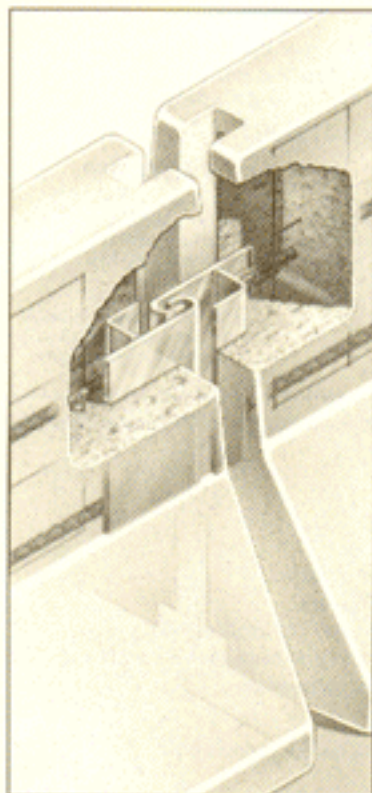


J-J Hooks™

The only FHWA approved positive connection barrier with 100% integral connections



Patented

- Vandal Proof--Only System Available in America with No Pins or Loose Hardware to Remove
- Crash Tested and FHWA Accepted
- No Loss of Structural Integrity Due to Bent or Missing Hardware
- Quick Temporary Access at Any Point
- Fast and Easy Setting for Lowest Installation Cost of Any Barrier System
- Identical Ends For Ease of Installation
- Self-Aligning
- No Loose Hardware Inventory Needed
- Improved Worker Safety



J-J Hooks Reduces Installation Time and Costs

FHWA Approved
Tested to withstand 60 mph/25 degree impact without separating.



If it's "J-J Hooked," You Know it's Secure

ERSI-SET INDUSTRIES PO Box 300 • Midland, VA 22728 • 540-439-8911 • 1-800-547-4045

Why are State and Federal transportation officials requiring positive connection barriers?

For increased safety: Paragraph 5.1.2 and 9.1.1. of the Federal Highway Administration memorandum regarding Guidelines for application of the Roadside Design Guide dated September 7, 1990 requires states to use only crash tested barriers that have been classified as operational on Federal-aid projects.

Why are transportation officials approving J-J Hooks design as an alternate to their standards?

This crash tested design is simple, structurally equal to their standards, and easy to install. The J-J Hooks design provides a safe and efficient low cost alternative and has been reviewed and accepted by FHWA as a tested and operational design.

Why do engineers, contractors and precasters prefer J-J Hooks?

ENGINEERS

- Vandal proof--no security breach
- Meets positive connection requirements
- Crash tested
- Self-Alignment
- Continuous steel connection
- Durability of precast concrete
- Tight radius ability
- Easy emergency access
- Automatically hooked when in place

CONTRACTORS

- Faster setting times lowers cost
- Eliminates loose hardware (pins & plates) and related replacement costs
- Easy installation requires smaller crew
- Identical ends for ease of installation
- Temporary access at any location

PRECASTERS

- Easy production
- Uses existing forms
- Cost competitive
- Identical ends--only 1 type to inventory
- Low hardware cost
- No loose hardware inventory
- Lowest production costs of any positive connection system

J-J Hooks Crash Test Evaluation by ENSCO, Inc--Applied Technology and Engineering Division, September, 1990

Certified Crash Test Results

- The J-J Hooks barrier redirected the vehicle
- There were no detached J-J barriers
- The vehicle remained upright during and after the collision.
- Integrity of the passenger compartment was maintained.
- Vehicle trajectory and stopping position did not intrude into adjacent traffic lanes.
- Vehicle speed change and exit angle criteria do not apply because the vehicle trajectory and stopping position did not intrude into adjacent traffic lanes.

Meets All Criteria

The J-J Hooks connection design did not fail. The barrier maintained longitudinal integrity.

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