

CERTIFICATION OF FHWA COMPLIANCE LETTER

The **Safe-Hit™ delineator**, manufactured by the Safe-Hit division of Energy Absorption Systems, Inc., a Quixote Company, is certified to comply with the requirements of a Category 1, Traffic Control Device in accordance with the guidelines and recommendations of the Intermodal Surface Transportation Efficiency Act of 1991 (ISTEA), the Federal Highway Administration (FHWA), and the 1993 National Cooperative Highway Research Program (NCHRP) Report 350, *Recommended Procedures for the Safety Performance Evaluation of Highway Features* (NCHRP Report 350),

Certified compliance is based upon the definition of small, lightweight channelizing and delineating devices as described in the FHWA memorandum related to policy of acceptance. Submission Guidelines provide for self certification by the developer on the basis of documented field experience or comparison with like acceptable devices.

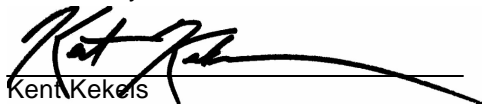
The exact wording of the FHWA memorandum for which the **Safe-Hit™ delineator** is certified to comply with is as follows:

1. The first category contains those small and lightweight channelizing and delineating devices that have been in common use for many years and are known to be crashworthy by crash testing of similar devices or years of demonstrably safe operational performance. These include plastic or rubber cones and tubular markers, flexible delineator posts, and plastic drums with no lights, batteries, signs, etc. added. If ballast is used, it must be located at ground level in accordance with the manufacturers instructions. For devices to be included in this category there must be virtually no potential that they will penetrate windshields, cause tire damage, or have a significant effect on the control or trajectory of an impacting vehicle. FHWA will not issue letters of acceptance nor maintain a list of the many individual devices in this category. These devices may be allowed based upon the developer's self-certification if the device:

- a. is built to a specification for a device for which the crashworthiness has been validated by crash or surrogate testing, or*
- b. is a type of device that is being accepted as being crashworthy on the basis of crash test experience with similar devices or years of demonstrably safe operational performance. (Simplified crash testing showing that a device poses no risk to impacting vehicle occupants may be used to support the manufacturers certification. This simplified testing must, as a minimum, be documented by a written report, observed by an independent, impartial observer, recorded on videotape, and include a means, other than the test vehicle's speedometer, for determining the vehicle speed at time of impact.)*

The **Safe-Hit™ delineator** has been successfully and extensively crash tested by independent test facility, E-Tech Testing Services located at 3617-B Cincinnati Avenue Rocklin, CA 95765. E-Tech's tests show that the device poses no risk to the impacting vehicle or occupants. Details of these independent tests are available upon request.

Certified by:



Kent Kekers
Delineation Market Manager
Quixote Transportation Safety
35 East Wacker Drive, Suite 1100
Chicago, IL 60601
800-537-8958