U.S. Department
of Transportation
**Federal Highway
Administration**

1200 New Jersey Ave., S.E.
Washington, DC 20590

March 3, 2008

In Reply Refer To: HSSD/WZ-268

Mr. John Pasakarnis
Dicke Safety Supply
1201 Warren Avenue
Downers Grove, IL 60515

Dear Mr. Pasakarnis:

In your letters of February 5, 2008 you requested Federal Highway Administration (FHWA) acceptance of your company's T155, AFC48, and P100 portable sign stands as crashworthy traffic control devices for use in work zones on the National Highway System (NHS). Accompanying your letter was the FHWA Office of Safety Design form and test report documentation including a CD compilation of relevant crash tests conducted by Karco Engineering, LLC. A summary of the test results that includes a drawing and specifications for each device are enclosed as a reference. You requested that we find these portable sign stands acceptable for use on the NHS under the provisions of National Cooperative Highway Research Program Report 350 "Recommended Procedures for the Safety Performance Evaluation of Highway Features."

This letter is the acknowledgement of the FHWA's acceptance of your requests, including the additional requests outlined in your letters. It is important to note the T155 portable sign stand is acceptable for use with 0.125 inch thick aluminum, 4 foot by 4 foot by 5/8 inch plywood substrate with a minimum radius of the corners equal to three inches, and other substrates as outlined in your requests. The test data indicated that the radius corners help minimize the potential for windshield damage and occupant compartment penetration. The original completed forms for each portable sign stand have been modified by the addition of the FHWA acceptance letter number WZ-268. The forms, which are enclosed for reference, will be posted on our Web site in the near future.

Sincerely yours,

David A. Nicol, P.E.
Director, Office of Safety Design
Office of Safety

Enclosures

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ECONOMY

Page 1	**FEDERAL HIGHWAY ADMINISTRATION** **OFFICE OF SAFETY DESIGN** **Category 2 Work Zone Device Acceptance Letter**	Letter Number WZ-268 Date 2/22/08
Contact Info	Petitioner / Developer Name and Address: Dicke Safety Supply 1201 Warren Avenue Downers Grove, IL 60515	
	I herby certify that the device(s) covered by this Acceptance Letter meet(s) the crash – worthiness test and evaluation requirements of the FHWA and NCHRP Report 350.	
Signature	John M. Paradowski	
Telephone #	(630) 969-0050	
Email Address	john@dicketool.com	
	Laboratory / Engineer Name and Address KARCO Engineering, LLC 9270 Holly Road Adelanto, CA 92301	
☑	I hereby certify that the testing that supports this Acceptance Letter was conducted in accordance with NCHRP Report 350 guidelines, that the device(s) tested is/are accurately described on this form, and that the test results indicate that the device meets all applicable NCHRP Report 350 evaluation criteria.	
☐	I have evaluated the requested modifications to these devices previously found acceptable by the FHWA in Acceptance Letter WZ-___, and hereby certify that, in my opinion, the modifications do not adversely affect the crash performance of the devices. I also certify that these devices are accurately described on this form.	
Signature	(See attached report)	
Telephone #	(760) 246-1672	
Email Address	kchiu@karco.com	
Keywords:	T155 Tri-pod portable sign system	
	Type of Device (See page 3) Tripod Sign Stand	
	Composition of Sign or Rail substrate (See Page 3) Wood / Lumber	
	Thickness of substrate (inches): 0.625	
	Height of sign from the ground (inches), if applicable: (See Page 3) Low: 12 to 18 inches above the pavement	
	Flags and or lights present during test? Indicate number of each: # of flags: 3 # of lights: 0 Weight of lights: 0.00 ea.	
Device Name		
Detailed Desc. Of Device, Materials, sizes, Fasteners, Substrates Foundation, Aux. Features Ballast, etc.	(May be attached on separate page(s) (See attached letter from Dicke Safety Products)	

Page 2	**FEDERAL HIGHWAY ADMINISTRATION** **OFFICE OF SAFETY DESIGN** **Category 2 Work Zone Device Acceptance Letter**	Letter Number WZ 268 Date 2/22/08
	Mandatory Attachments	
	Attachment # 1: Test data summary page(s)	
	Attach. #1a — Test # P27238-01	
	Attach. #1b — Test #	
	Attach. #1c — Test #	
	Attach. #1d — Test #	
Alternative	**Attachment # 1:** Description and discussion of modification(s) to crash tested and/or accepted device.	
	Date:	
	Attachment # 2: PDF drawing(s) of device(s)	
	Attach. #2a — Drawing Title: Tri-pod Comparison	
	Drawing #: T155-1(a-e)	
	Attach. #2b — Drawing Title: Sign Impact Analysis	
	Drawing #: T155-2(a-e)	
	Attach. #2c — Drawing Title:	
	Drawing #:	
	Attach. #2d — Drawing Title:	
	Drawing #:	
	Attach. #2e — Drawing Title:	
	Drawing #:	
	Attach. #2f — Drawing Title:	
	Drawing #:	
	Attach. #2g — Drawing Title:	
	Drawing #:	