

1200 New Jersey Ave., SE Washington, D.C. 20590

10/22/10

In Reply Refer To: HSSI/WZ-25A

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

Dear Mr. Pasakarnis:

This is in response to your October 7 correspondence requesting the Federal Highway Administration's (FHWA) acceptance of your company's Model FS2000W portable sign stand as a crashworthy traffic control device for use in work zones and elsewhere on the National Highway System (NHS). Accompanying your letter was the FHWA Office of Safety Design form explaining the change from a coiled spring (as in the Model UF2000W stand accepted in WZ-25) to a flat one. You requested that we find this device 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 request. The original completed form has been modified by the addition of the FHWA acceptance letter number and the date of our review. The form, of which a copy is enclosed for reference, will be posted on our Web site in the near future.

Sincerely yours,

Michael S. Griffith

Director, Office of Safety Technologies

Michael S. Fiffith

Office of Safety

Enclosure



October 07, 2010

Mr. Nick Artimovich, II Highway Engineer Federal Highway Administration Office of Safety Design 1200 New Jersey Avenue, SE HSSD Washington, DC 20590

Dear Mr. Artimovich.

This inquiry is in regards to a modified version of the previously accepted UF2000W sign stand (HAS-1/WZ-25). The new version of this stand FS2000W replaces the coiled spring with a flat steel spring. The stand footprint is the same while the top of the sign bracket is actually lower. The stand specifications may be found in Table #1 below and in the attached drawings.

Table #1 – Stand Comparison

Model:	Weight:	Base Width:	Base Length:	Sign Ht:	Deployed Ht:
UF2000W	20.6 lbs	58 inches	90 inches	12.75 inches	80.75 inches
FS2000W	16.2 lbs	58 inches	90 inches	12.75 inches	80,75 inches

Request #1:

Based on the enclosed information and previous test data, we are seeking acceptance of sign stand FS2000W. We believe this to be a reasonable request because the design differences all occur below the height of the vehicle bumper. As such, we contend that they will have no effect on the windshield impact data.

Should you need any further documentation, please let me know.

Sincerely,

John M. Pasakarnis Dicke Tool Company 630-969-0050 x28 john@dicketool.com www.dicketool.com

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	Dicke Salety Preducts 1201 Werren Avenue Downers Grove, IL 60615
	Therby certify that the device(s) covered by this Acceptance Letter meet(s) the crash worthiness test and evaluation reguligements of the PHWA and NCTRP Report 350.
Cingature Telephone / Famil Address	(630) 324-5205 (blin@dickotool.com
	Cabactory / Papincer Name and Address
	Thereby equify 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 Telephone # Fanail Address	
Keywords:	E83600M
	Type of Device (See page 3)
	X-Postprint Sign Stand
A TO THE CONTRACT PROPERTY AND THE CONTRACT PROPERTY PROPERTY AND THE CONTRACT PROPERTY	Composition of Sign or Rail substrate (See Page 3) Roll-up / Fabric (with liberglass spreaders – aluminum or steel spreaders are not allowe Thickness of substrate (inches): Height of sign from the ground (inches), if applicable: (See Page 3)
1	Low: 12 to 18 inches above the pavement
	Flags and or lights present during test? Indicate number of each: # of flags: 2 # of lights: Weight of lights: ea.
Device Name	
Detailed Desc.	(May be attached on separate page(s)
Of Device, Materials, sizes	See attached submittel letter and drawings.
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Foundation,	
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Rallasi, etc.	

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		d/or necepted device.
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	Date: 10/07/	2010
	Attachment #	2: POF drawing(s) of device(s)
	Aimch. #2n	Drawing Title: WZ submittel lofter (PDF)
		Drawing 8:
	Attoch, #25	Drawing Title: F82000W dwg (PDF)
		Drawing #:
	Attach. #2c	Drawing Title: UF2000W dwg (PDF)
		Drawing #:
	Attach, #2d	Drawing Title: Stand photo comparison (PDF)
		Drawing #:
	Attach, #2e	Drawing Title:
		Drawing #:
	Attach, #2f	Drawing Title:
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Frober Monard Highs (Done on incipal arrays bands or variable as mape algue or either Category 4 tailler amounted devices.)

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Tripod Sign Stance

Type Hlavricade

Type II Barcicade

Type III Barriende

Vertical Panel

Intrusion Detector

Ballast (Action relates to ballast on one or more devices)

Channelizer (Individual units unlike cones, road tubes, or drums)

Please select from the following Keywords for "Sign Substrate":

Roll-up / Fabric (with fibriglass spreaders aluminum or steel spreaders are not allowed.)

Plywood

Aluminum Solid

Aluminum Laurimate

Corrugated Plastic

Extraded Plastic

Waffleboard Plastic

Wood / Lumber

Please select from the following Keywords for "fleight of Sign":

The distance to the lowest point on the sign is:

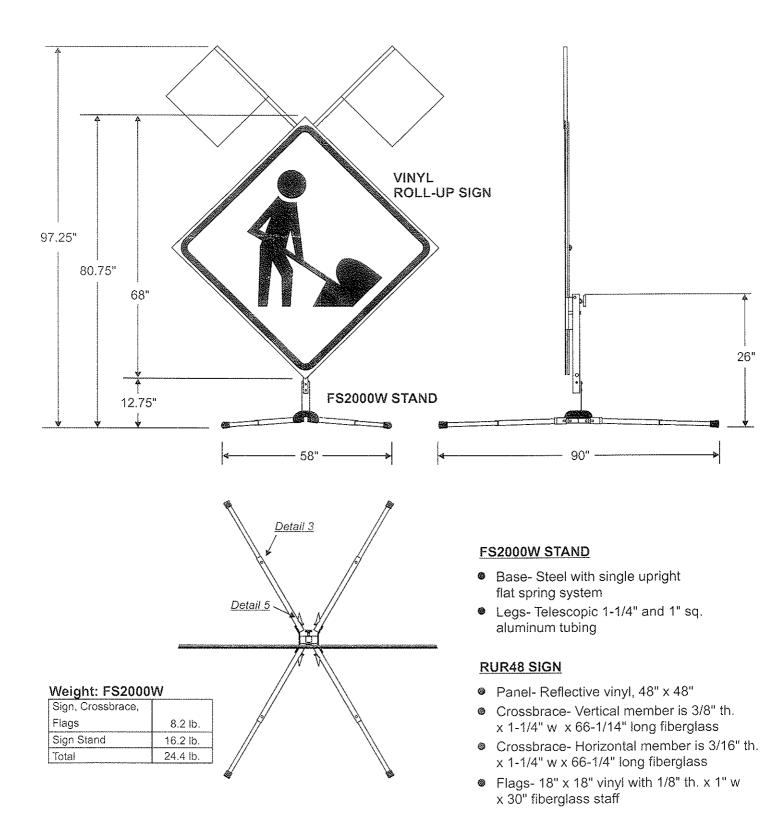
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Mid-A	20 to 24 inches above the pavement
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Oversized	72 inches and faller

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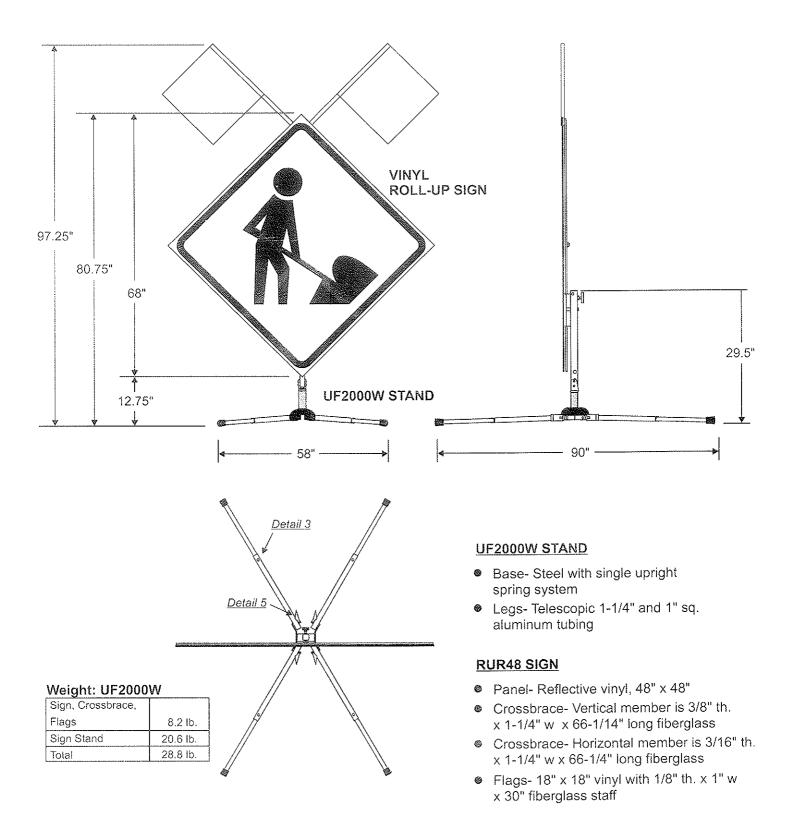
Please note the following standard provisions that apply to PHWA letters of acceptance:

- Our acceptance is limited to the crashworthiness characteristics of the devices and does not cover their structural features, or conformity with the Manual on Uniform Traffic Control Devices
- Any changes that may adversely influence the crashvorthiness of the device will require a new acceptance fetter.
- Should the FFWA discover that the qualification testing was flawed, that in-service performance reveals maccopiable safety problems, or that the device being marketed is significantly different from the version that was erash tested, it reserves the right to modify or revoke its acceptance.
- You will be expected to supply potential users with sufficient information on design and installation requirements to ensure proper performance.
- You will be expected to certify to potential users that the hardware furnished has essentially the same chemistry, mechanical properties, and geometry as that submitted for acceptance, and that they will meet the crashworthiness requirements of FHWA and NCHRP Report 350.
- To prevent misunderstanding by others, this letter of acceptance shall not be reproduced except in full. This letter, and the test documentation upon which this letter is based, is public information. All such letters and documentation may be reviewed at our office upon request.
- of the subject of this letter is a patented device it is considered "proprietary." The use of proprietary work zone traffic control devices in Federal-aid projects is generally of a temporary nature. They are selected by the contractor for use as needed and removed upon completion of the project. Under such conditions they can be presumed to meet requirement "a" given below for the use of proprietary products on Federal-aid projects. On the other hand, if proprietary devices are specified by a highway agency for use on Federal-aid projects they: (a) must be supplied through competitive bidding with equally suitable unpatented items; (b) the highway agency must certify that they are essential for synchronization with existing highway facilities or that no equally suitable alternative exists or; (c) they must be used for research or for a distinctive type of construction on relatively short sections of road for experimental purposes. Our regulations concerning proprietary products are contained in Title 23, Code of Federal Regulations, Section 635.411, a copy of which is enclosed.
- This Acceptance Letter shall not be construed as authorization or consent by the Federal Highway Administration to use, manufacture, or sell any patented device for which the applicant is not the patent holder. The Acceptance Letter is limited to the crashworthiness characteristics of the candidate device, and the FHWA is neither prepared nor required to become involved in issues concerning patent law. Patent issues, if any, are to be resolved by the applicant.

FS2000W



UF2000W



#2d - UF2000W / FS2000W Side by Side Comparison

