



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

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

In Reply Refer To:
HSST/WZ-306

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

Dear Mr. Pasakarnis:

This is in response to your December 28, 2010, correspondence requesting the Federal Highway Administration's (FHWA) acceptance of your company's SFS2000W Portable Sign Stand with steel legs as a crashworthy traffic control device for use in work zones and elsewhere on the National Highway System. Accompanying your letter was the FHWA Office of Safety Design form and drawings of the stand. 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 and includes the original completed form, your December 28, 2010 letter explaining your request, and drawings of the relevant sign stands.

Sincerely yours,

Michael S. Griffith
Director, Office of Safety Technologies
Office of Safety

FHWA:HSSI:NArtimovichr:ms:x61331:8/22/11
File: s://directory folder/HSST/Artimovich/WZ306_Dicke.dotx
cc: HSSI (NArtimovich)



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

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

September 8, 2011

In Reply Refer To:
HSST/WZ-306

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

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This letter is the acknowledgement of the FHWA's acceptance of your request and includes the original completed form, your December 28, 2010 letter explaining your request, and drawings of the relevant sign stands.

Sincerely yours,

A handwritten signature in black ink that reads "Michael S. Griffith". The signature is written in a cursive style.

Michael S. Griffith
Director, Office of Safety Technologies
Office of Safety



DICKE SAFETY PRODUCTS

1201 Warren Avenue • Downers Grove, IL 60515 • Ph: 877.891.0050 • Fax: 630.969.3973

December 28, 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 our recently accepted FS2000W sign stand (WZ-25A). This acceptance was based on a previous sign stand, the UF2000W (HAS-1/WZ-25). At that time, I also should have requested acceptance of the steel leg version of this new stand (SFS2000W) based on the same criteria used for WZ-250 and WZ-250A. 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
SFS2000W	21.2 lbs	57 inches	88 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 SFS2000W. 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

Page 1	FEDERAL HIGHWAY ADMINISTRATION OFFICE OF SAFETY DESIGN	Letter Number WZ 306
	Category 2 Work Zone Device Acceptance Letter	Date
Contact Info	Petitioner / Developer Name and Address: Dicke Safety products 1201 Warren Avenue Downers Grove, IL 60515	
	I hereby 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	<i>John M. P. ...</i>	
Telephone #	(630) 324-5209	
Email Address	john@dicketool.com	
	Laboratory / Engineer Name and Address	
<input type="checkbox"/>	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.	
<input type="checkbox"/>	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 #		
Email Address		
Keywords:	SFS2000W	
	Type of Device (See page 3) X-Footprint Sign Stand	
	Composition of Sign or Rail substrate (See Page 3) Roll-up / Fabric (with fiberglass spreaders – aluminum or steel spreaders are not allowed)	
	Thickness of substrate (inches):	
	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: 2 # of lights: 0 Weight of lights: 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 submittal letter.	

Page 2	FEDERAL HIGHWAY ADMINISTRATION OFFICE OF SAFETY DESIGN Category 2 Work Zone Device Acceptance Letter	Letter Number
		WZ 306
		Date
	Mandatory Attachments	
	Attachment # 1: Test data summary page(s)	
	Attach. #1a	Test #
	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: 12/28/2010	
	Attachment # 2: PDF drawing(s) of device(s)	
	Attach. #2a	Drawing Title: WZ Submittal Letter (PDF)
		Drawing #:
	Attach. #2b	Drawing Title:
		Drawing #:
	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 #:

Page 3	FEDERAL HIGHWAY ADMINISTRATION OFFICE OF SAFETY DESIGN Category 2 Work Zone Device Acceptance Letter	Letter Number
		WZ-306
		Date

Please select from the following Keywords for “Type of Device”:

Longitudinal Channelizing Barricade
 Curb (Curb channelizer system with or without road tubes or other channelizers)
 Drum
 H-Footprint Sign Stand
 X-Footprint Sign Stand
 Trailer Mounted Signs (Does not include arrow boards or variable message signs or other Category 4 trailer mounted devices.)
 Automated Flagger Device (not trailer mounted)
 Tripod Sign Stand
 Type I Barricade
 Type II Barricade
 Type III Barricade
 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 fiberglass spreaders – aluminum or steel spreaders are not allowed.)
 Plywood
 Aluminum – Solid
 Aluminum – Laminate
 Corrugated Plastic
 Extruded Plastic
 Waffleboard Plastic
 Wood / Lumber

Please select from the following Keywords for “Height of Sign”:

The distance to the lowest point on the sign is:

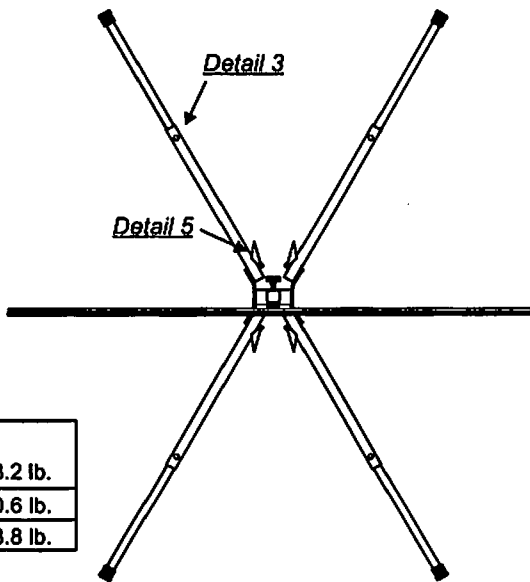
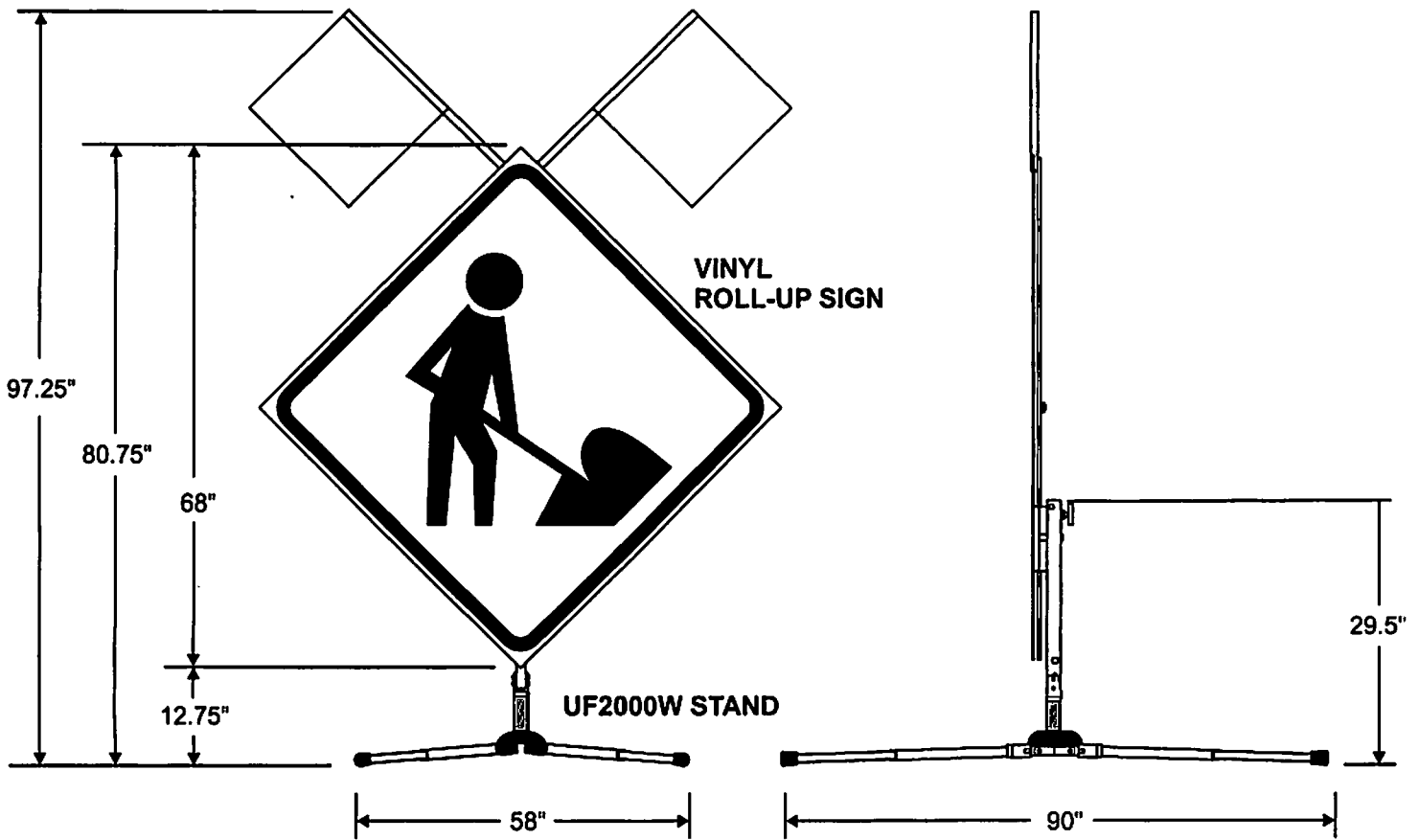
Low 12 to 18 inches above the pavement
 Mid-A 20 to 24 inches above the pavement
 Mid-B 25 to 36 inches above the pavement
 Mid-C 37 to 59 inches above the pavement
 Tall 60 to 71 inches above the pavement
 Oversized 72 inches and taller

Page 4	FEDERAL HIGHWAY ADMINISTRATION OFFICE OF SAFETY DESIGN		Letter Number
			WZ 306
	Category 2 Work Zone Device Acceptance Letter		Date

Please note the following standard provisions that apply to FHWA 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 crashworthiness of the device will require a new acceptance letter.
- Should the FHWA discover that the qualification testing was flawed, that in-service performance reveals unacceptable safety problems, or that the device being marketed is significantly different from the version that was crash 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.
- If 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.

UF2000W



Weight: UF2000W

Sign, Crossbrace, Flags	8.2 lb.
Sign Stand	20.6 lb.
Total	28.8 lb.

UF2000W STAND

- Base- Steel with single upright spring system
- Legs- Telescopic 1-1/4" and 1" sq. aluminum tubing

RUR48 SIGN

- Panel- Reflective vinyl, 48" x 48"
- Crossbrace- Vertical member is 3/8" th. x 1-1/4" w x 66-1/4" long fiberglass
- Crossbrace- Horizontal member is 3/16" th. x 1-1/4" w x 66-1/4" long fiberglass
- Flags- 18" x 18" vinyl with 1/8" th. x 1" w x 30" fiberglass staff

