



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

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

October 22, 2010

In Reply Refer To:
HSSI/WZ-293

Mr. Mike O'Neal
1929 Buford Boulevard
Tallahassee, FL 32308

Dear Mr. O'Neal:

This is in response to your September 17 e-mail correspondence requesting the Federal Highway Administration's (FHWA) acceptance of your company's ShowMeStand™ ground-mounted 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 and an engineering comparison with the Missouri Ground Mounted Temporary Sign Stand, covered in FHWA acceptance letter WZ-219. 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." The Missouri stand was modified as follows:

The support tube (30" length galvanized "Telespar" 1-1/4" square perforated steel tube) will be replaced with galvanized or plain (painted) non-perforated 30" length of 1-1/4" square (11 gauge or 12 gauge) steel tube.

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
Office of Safety

Enclosure



Page 1	FEDERAL HIGHWAY ADMINISTRATION OFFICE OF SAFETY DESIGN		Letter Number
	Category 2 Work Zone Device Acceptance Letter		Date <u>10/20/10</u>
Contact Info	Petitioner / Developer Name and Address:		
	Mike O'Neal 1929 Buford Blvd Tallahassee, FL 32308		
	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			
Telephone #	(850) 320-5196		
Email Address	mike@osmse.com		
	Laboratory / Engineer Name and Address		
	Midwest Roadside Safety Facility 527 Nebraska Hall P.O. Box 880529 Lincoln, Nebraska 68588-0529		
<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 checked="" 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 #	(402) 472-9070		
Email Address	rfaller1@uni.edu		
Keywords:			
	Type of Device (See page 3) Tripod 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:	# of lights:	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 WZ-219); O'Neal modification letter & e-mail file: "Missouri Ground Mounted Temp Sign Stand Modification.txt"		

Page 2	FEDERAL HIGHWAY ADMINISTRATION OFFICE OF SAFETY DESIGN		Letter Number
	Category 2 Work Zone Device Acceptance Letter		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. (See Attached)		
	Date: 09/17/2010		
	Attachment # 2: PDF drawing(s) of device(s)		
	Attach. #2a	Drawing Title: O'Neal0001.pdf	
		Drawing #: 1of2; 2of2 & 1of1 from (WZ219)	
	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
		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":

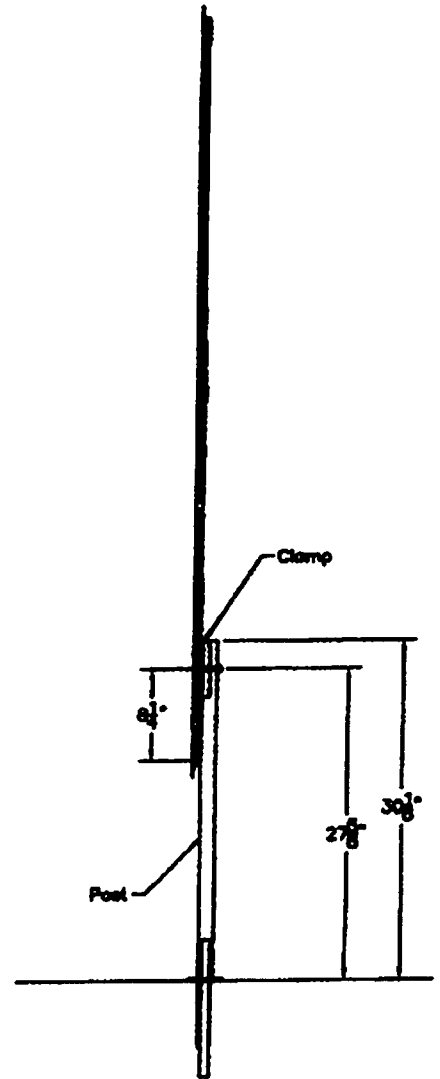
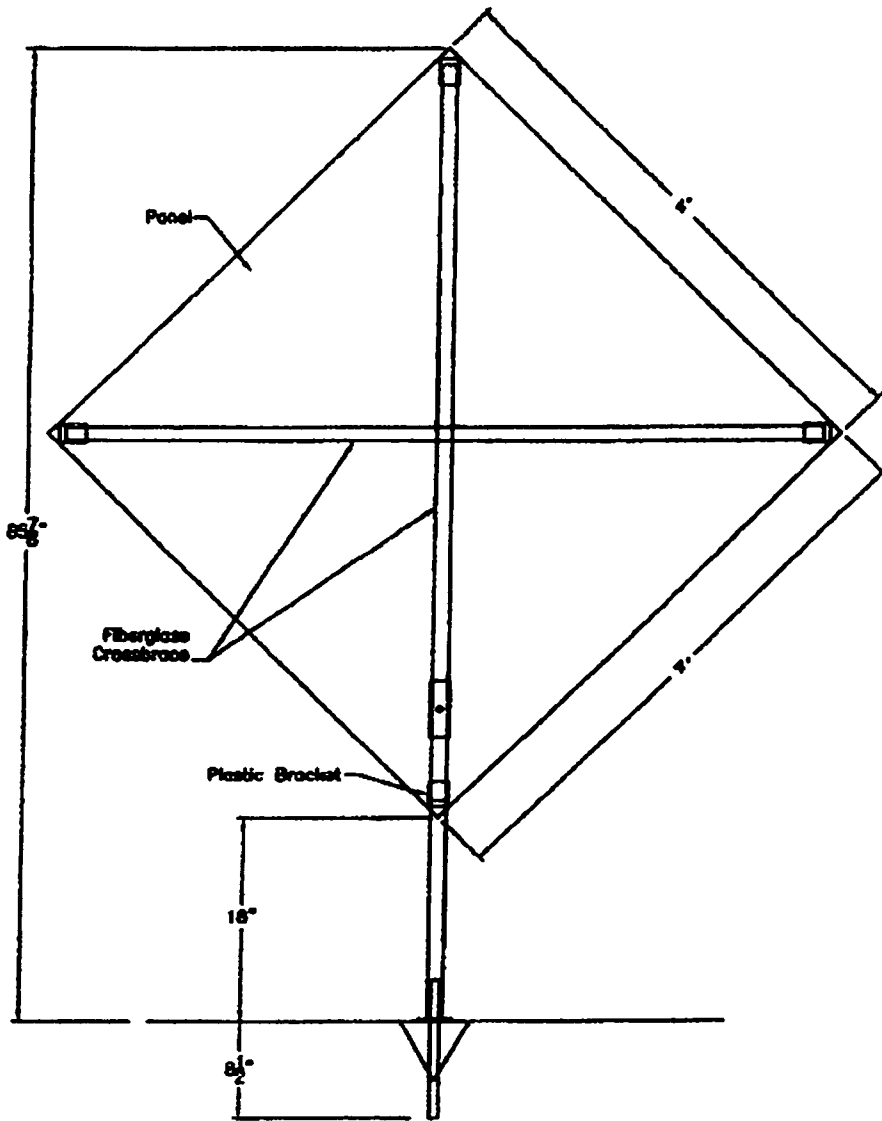
The distance to the lowest point on the sign is:

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
	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.

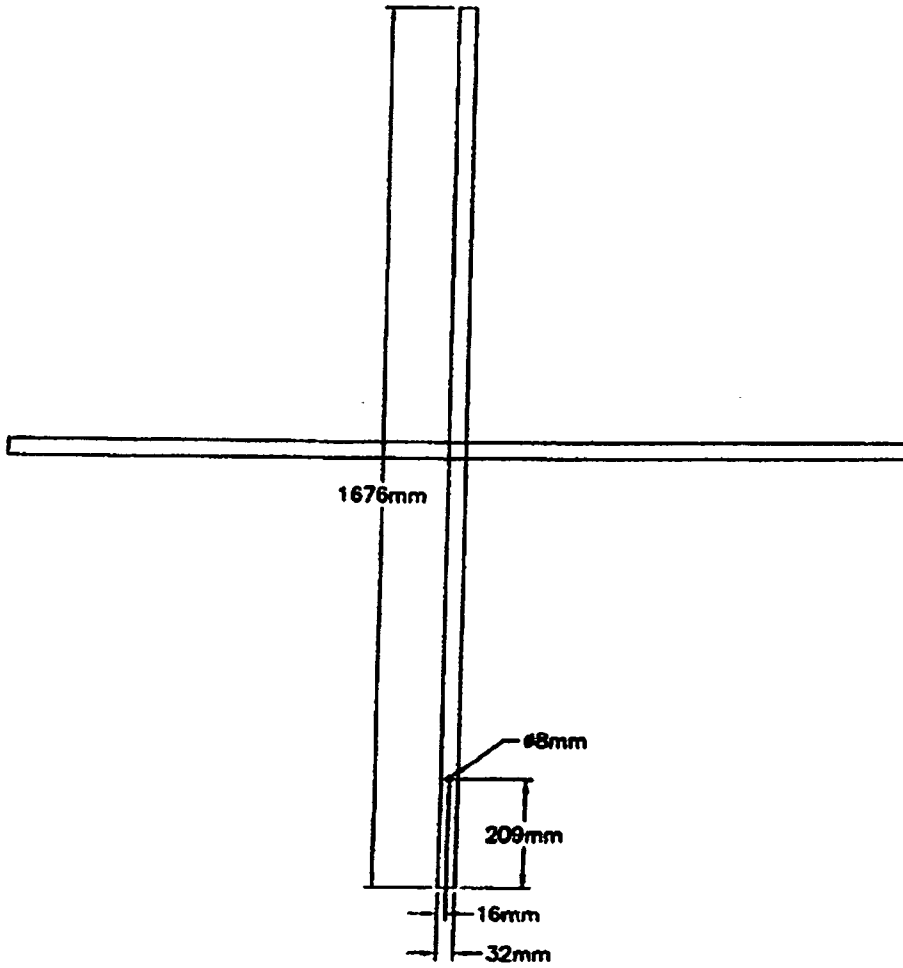


Missouri Temporary Ground - Mounted Sign Stand

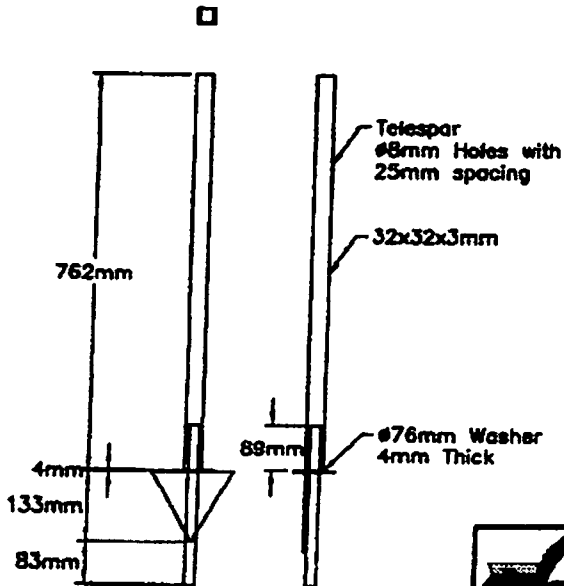
System Details

Sheet:	1 of 2
Date:	12/15/2004
By:	GEP

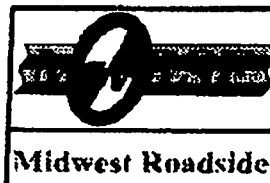
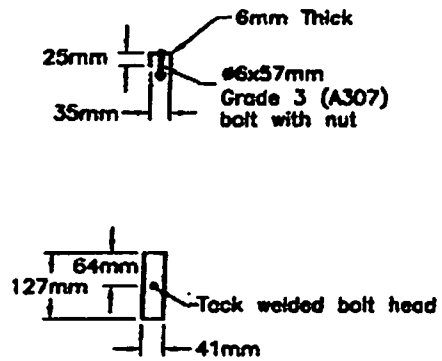
Crossbrace



Post



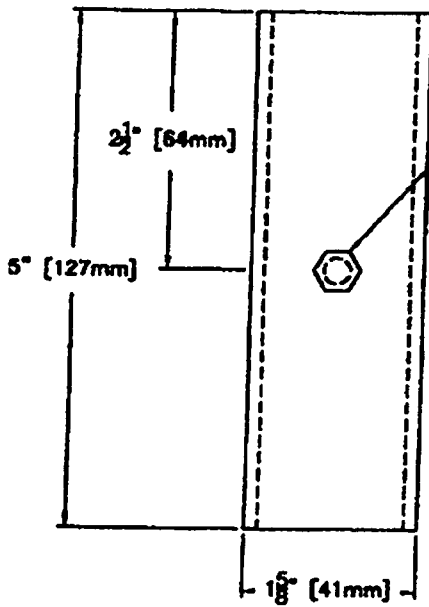
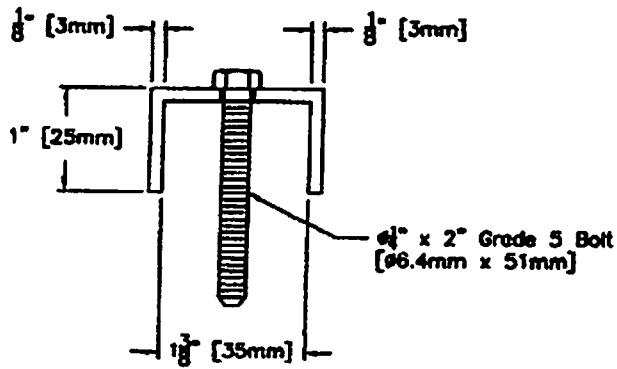
Clamp



Missouri Temporary Ground -
Mounted Sign Stand

Part Details

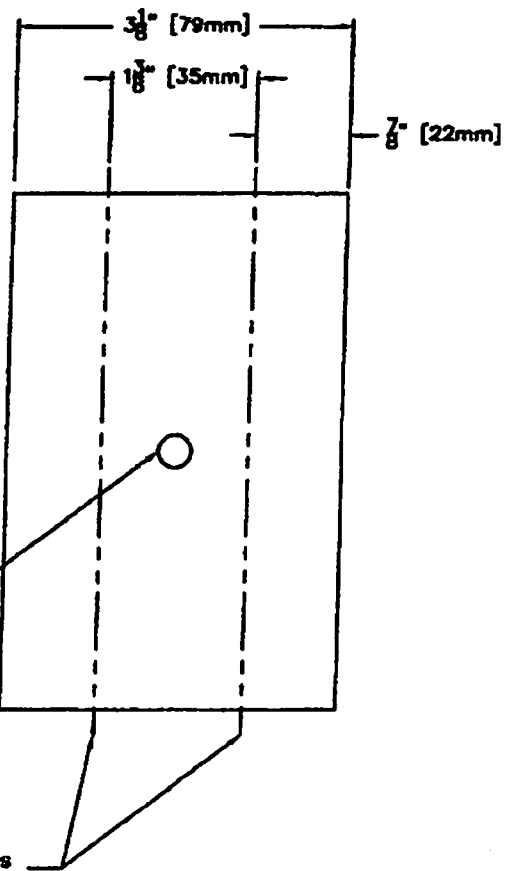
Sheet:	2 of 2
Date:	12/15/2004
by:	GBP



Tack weld each bolt head in two locations

$\frac{5}{16}$ " [#7.9mm]

Bend Lines



Missouri Temporary Ground-Mounted Sign Stand

One bolt clamp

Sheet	1 of 1
Date	12/13/2004