

June 9, 1999

Refer to: HMHS-

CC50A

Mr. Dean C. Alberson, P. E.
Safety Quest, Inc.
1805 B Briar Oaks Drive
Bryan, TX 77802

Dear Mr. Alberson:

In your June 1, 1999 letter to Mr. Richard Powers of my staff, you requested the Federal Highway Administration's (FHWA) acceptance of a modified version of the Wide-REACT crash cushion without additional testing. You noted that the modified design is intended to shield objects as wide as 3048 mm whereas my letter to Dr. John F. Carney at Worcester Polytechnic Institute on June 16, 1998 accepted a design for a 2743 mm wide unit. The only change to the original design was moving each of the two rows of 915-mm diameter polyethylene cylinders outward 150 mm and lengthening the cross strut by approximately 300 mm. This also resulted in a minor shortening of the total system length. The overall dimensions of both units are shown in the enclosure. We agree that this minor change is not likely to have any significant effect on impact performance.

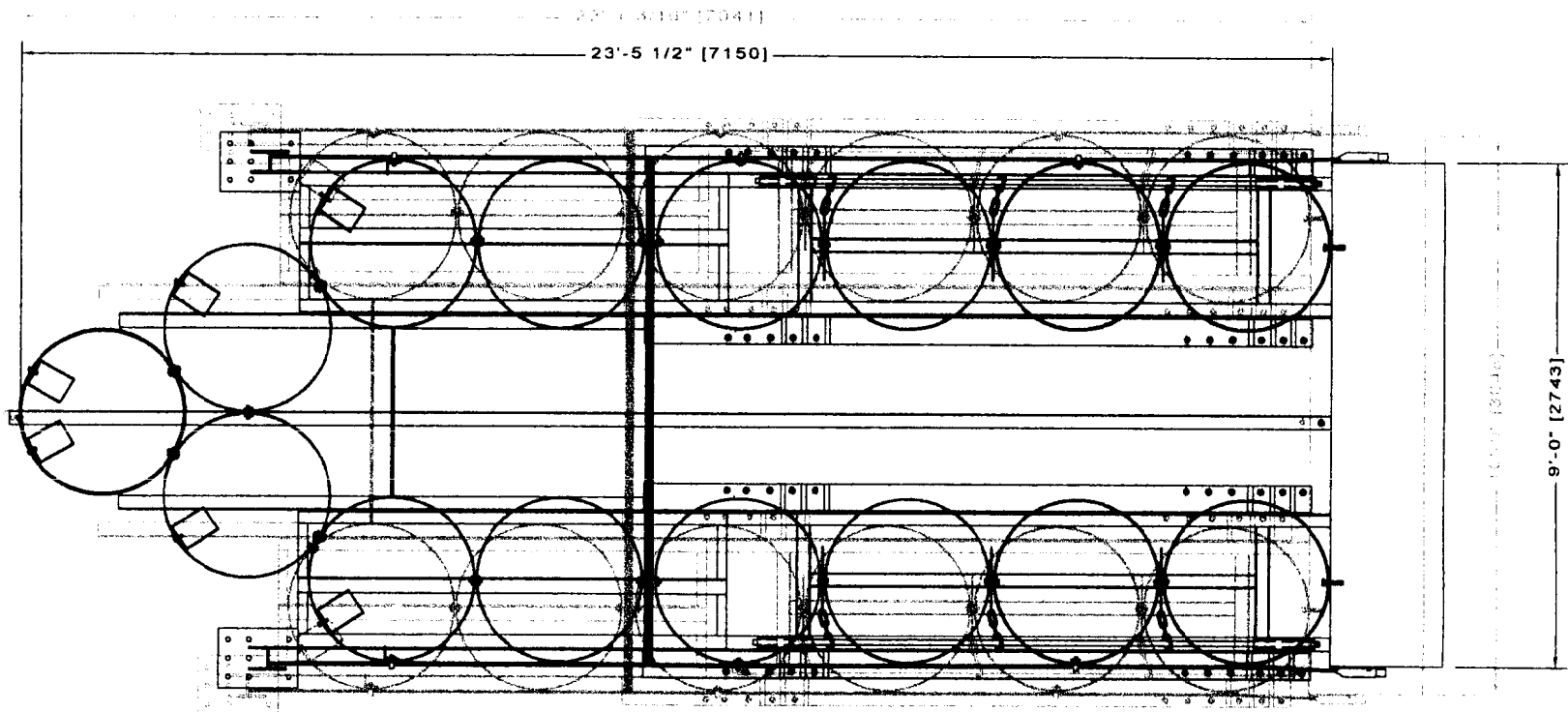
We have noted also that this system was originally called the Wide REACT but you now wish to re-designate it as the Medium REACT. Thus, the Medium REACT with 915-mm diameter cylinders may be considered acceptable for use on the National Highway System in either of the widths noted above when such use is requested by a transportation agency.

Sincerely yours,

(original signed by Dwight A. Horne)

Dwight A. Horne
Director, Office of Highway Safety

Infrastructure
Enclosure



REACT 62-S-108 PLAN

- NOTES:**
- 1) ALL COMPONENTS SUBJECT TO CHANGE.
 - 2) ALL METRIC CONVERSIONS ROUNDED APPROXIMATE
 - 3) SEE FASTENER SCHEDULE (SHT. 6 OF 12 OF STANDARD DESIGN DETAILS) FOR FLAGGED ITEMS.

U.S. PATENT NO: 6403112		DATE: 4/4/98	ROADWAY SAFETY SERVICE, INC. 1050 RAND ROAD WAUCONDA, IL 60084	
PREPARED: T. CRUZ	ENGINEER: L. BULLARD	DATE: 8/01/99	PRODUCED: SAFETY QUEST, INC. <small>822 UNIVERSITY DRIVE COLLEGE STATION, TEXAS 77840</small>	
REVISOR: D. ALBERSON	DATE: 2/10/98	TITLE: MEDIUM REACT		
SCALE: 1 = 40	SHEET: 3 OF 3	SIZE: 8	DRAWING NO.: RSS-MRCT-62-S-108	REV.: