

Changes are shaded.

CRASH CUSHIONS

(NCHRP 350 Approved)

SCI PRODUCTS, INC.	TL-2 SCI-70GM TL-3 SCI-100GM	Re-directive Crash Cushion Re-directive Crash Cushion
ENERGY ABSORPTION SYSTEMS, INC.	TL-1 & TL-2 NEAT Non-Re-directive, Guards Pre-cast Traffic Barrier Service Concrete and QMB (CZ only) TL-2 QUADGUARD ELITE (7 BAY) TL-3 QUADGUARD ELITE (11 BAY) TL-1, TL-2 & TL-3 ENERGITE III TL-2 & TL-3 QUADGUARD TL-3 QUADGUARD-WIDE TL-2 & TL-3 QUADGUARD II TL-3 QUADGUARD-WIDE II TL-3 QUADGUARD LMC Low Maintenance TL-3 BRAKEMASTER TL-3 REACT 350 TL-1, TL-2 & TL-3 FITCH UNIVERSAL MODULE	Re-directive Crash Cushion Re-directive Crash Cushion Non-Re-directive Sand Module (CZ or Permanent) Re-directive Crash Cushion (CZ or Permanent) Re-directive Crash Cushion (Permanent) Re-directive Crash Cushion (CZ or Permanent) Re-directive Crash Cushion (Permanent) Re-directive Crash Cushion (Permanent) Re-directive Terminal/Crash Cushion (Permanent) Re-directive Crash Cushion (CZ or Permanent) Non-Re-directive Sand Module (CZ or Permanent)
PLASTIC SAFETY SYSTEMS, INC.	TL-3 CRASHGARD SAND BARREL SYSTEM	Non-Redirective Crash Cushion (CZ or permanent)
TRINITY INDUSTRIES	TL-3 CAT TL-3 ADIEM TL-2 & TL-3 TRACC TL-3 FASTRACC TI-3 WIDETRACC TL-2 SHORTRACC	Re-directive Terminal/Crash Cushion (Permanent) Re-directive Lightweight Concrete Crash Cushion (For use in CZ only) Re-directive Crash Cushion (CZ or Permanent) Re-directive Crash Cushion (CZ or Permanent) Re-directive Crash Cushion (CZ or Permanent) Re-directive Crash Cushion (CZ or Permanent)
TRAFFIX DEVICES, INC.	TL-1, TL-2 & TL-3 BIG SANDY	Non-Re-directive Sand Module (CZ or Permanent)
BARRIER SYSTEMS, INC.	TL-2 & TL-3 ABSORB 350 TL-2 TAU-II (4 bay) TL-3 TAU-II (8 bay)	Non-Re-directive Crash Cushion (CZ) Re-directive Crash Cushion (CZ or Permanent) Re-directive Crash Cushion (CZ or Permanent)

TL-1, 30 MPH Max.
TL-2, 45 MPH Max.
TL-3, >45 MPH

Type I = Re-Directive Crash Cushion
Type IA = Re-Directive Crash Cushion (≤ 45 MPH)
Type II = Non Re-Directive Crash Cushion

Note: CZ refers to Construction Zone
QMB refers to Quickchange Moveable Barrier

TERMINALS
(NCHRP 350 Approved)

ROAD SYSTEMS, INC.	TL-3 FLARED ENERGY ABSORBING TERMINAL (FLEAT-350) 37'-6" with 4'-0" Offset	VDOT ST'D. GR-7
	TL-3 FLEAT Standard Post (FLEAT-SP) 37'-6" with 4'-0" Offset	VDOT ST'D. GR-7
	TL-3 SEQUENTIAL KINKING TERMINAL (SKT-350) 50'-0" 50:1 Flare	VDOT ST'D. GR-9
	TL-3 SKT Standard Post (SKT-SP) 50'-0" 50:1 Flare	VDOT ST'D. GR-9
TRINITY INDUSTRIES	TL-3 SLOTTED RAIL TERMINAL (SRT-350) 6-Post System 37'-6" Straight-Line Flare with 4'-0" Offset	VDOT ST'D. GR-7
	TL-3 (SRT-350) 8-Post System 37'-6" Parabolic Flare with 4'-0" Offset	VDOT ST'D. GR-7
	TL-3 CAT	VDOT ST'D. GR-9
	TL-3 ET-2000 50'-0" 50:1 Flare	VDOT ST'D. GR-9
	TL-3 ET-PLUS 50'-0" 50:1 Flare	VDOT ST'D. GR-9
ENERGY ABSORPTION	TL-3 BRAKEMASTER	VDOT ST'D. GR-9
BARRIER SYSTEMS, INC.	TL-3 X-TENSION END TERMINAL	VDOT ST'D. GR-9

CRASHWORTHY LONGITUDINAL BARRIERS
(NCHRP 350 Approved)

BARRIER SYSTEMS, INC.	TL-3 Narrow Quick Change Moveable Barrier
IOWA DOT	TL- 3 Iowa PCB Temporary CMB F-shape with Pin and Loop Connection
ROCKINGHAM PRECAST	TL-3 Temporary CMB-F shape, 12'-0" long with Slotted Tube/T-Bar Connection

**CRASHWORTHY LONGITUDINAL BARRIERS
(NCHRP 350 Approved unless otherwise noted)**

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SMITH-MIDLAND	TL-3 Temporary Concrete Median Barrier F-shape with J-J Hook Connection
VIRGINIA DOT	Temporary Concrete Median Barrier F-shape with Pin and Loop connection (20'-0" Length)
BARRIER SYSTEMS, INC.	TL-3 Quickchange Moveable Barrier (QMB) Moveable Barrier
PENNSYLVANIA DOT	TL-3, 12'-6" Long Temporary Concrete Median Barrier F-Shape with Plate Connection

**PORTABLE VERTICAL PANELS
(NCHRP 350 Approved)**

IMPACT RECOVERY SYSTEM	Vertical Panel
WOUDENBERG ENTERPRISES	Msi Durastem Vertical Panel w/ Lightweight Warning Light
FLASHER HANDLING CORP.	Air Spill Barricade Vertical Panel
BENT MANUFACTURING COMPANY	Vertical Panel w/ Lightweight Warning Light ULTRA Vertical Panel w/ Lightweight Warning Light
WLI INDUSTRIES, INC.	SafetyCade Vertical Panel SafetyCade Extended Vertical Panel w/ Lightweight Warning Light
SERVICE SIGNING, L.C.	Vertical Panel
EASTERN METAL / U.S.A. SIGNS	Melba Vertical Panel

**MAILBOX SUPPORTS
(NCHRP 350 Approved)**

FRIEND INNOVATIONS	Snowplow Friendly Metal Cantilever Mailbox Support
FORESIGHT PRODUCTS, INC.	V-Loc Mailbox Support System
S-SQUARE TUBE PRODUCTS	Nex Tube Mailbox Support System

CHANNELIZING DEVICES WITH AUXILIARY DEVICES*
(NCHRP 350 Approved)

FLASHER HANDLING CORP.	Plastic Substrate Sign Panel Mounted on face of Drum.
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* Drums with Type A or C warning lights are acceptable as Category 1 devices and therefore will not be listed in this document.

PORTABLE SIGN SUPPORTS
(NCHRP 350 Approved)

EASTERN METAL/USA SIGNS	Super Flex Compact Stand with Fiberglass Leaf Spring C-102, C-132, C-142, C-200, C-202, C-232, C-242, C-802, C-832, C-842, C-902, C-942, X-501, X-550, X-551, X-600, X-601 Portable Sign Stands with roll-up signs only. Model Number X-842 with 2mm AL/LDPE (Alpolic, Reynolite and Dibond) laminated substrates, Model Number X-880 with 2mm AL/LDPE laminated substrate, and Model Numbers X552, X552b and X-602 with 2mm AL/LDPE laminated substrate.
FLASHER HANDLING CORP.	Bantam 2 portable sign stand, Featherweight 2 sign stand with roll-up signs.
DICKIE TOOL COMPANY	Model Numbers DL1003W, QLV-W, MSRIGID-30, QFV-60, QFV-84, PS-3330, PS-3330-S, DF3003, DF3000S, DF3003W, MSFLEX-30, QFV-48, DF3003S, PS-3000S, DF3000WQ, DF-4700, DF-4700TX, DF-4503, Uniflex 2000 and DL1003WQ with roll-up type sign only, and SLIP-60 with roll-up type sign.
MARKET DISPLAYS INTERNATIONAL (MDI)	Model Numbers 4814CS, 4814DLK, 4814HDK, 4814SSCK, 30CAM, 40CAM, 4814NSCK, 4884CS, 4860KA, 4850, 4812, 4815, 4814K with roll-up type signs. Model Numbers 4818 and 4860K with roll-up 10mm Coreplast and Inteplast corrugated plastic sign substrate or 2mm AL/LDPE (Alpolic, Reynolite and Dibond) aluminum laminated substrate signs.

**PORTABLE SIGN SUPPORTS
(NCHRP 350 Approved)
continued**

<p align="center">KORMAN SIGNS, INC.</p>	<p>Model Numbers SS560, SS560A, SS560E, and SS560AE with roll-up type signs or 0.100" and 0.080" aluminum type signs or 6.55mm Solid Plastic (ABS) substrate, or 2mm AL/LDPE (Alpolic, Reynolite and Dibond) laminated substrates. Minimum Mounting Height: 60" for diamond, 63" for rectangle. Model Numbers SS548, SS548A, SS548E, SS548AE, SS548C, SS548CE, SS548CA and S548CAE with roll-up type signs or 10mm corrugated plastic, or 2mm AL/LDPE (Alpolic, Reynolite and Dibond) laminated substrates. Minimum Mounting Height: 21". Model Numbers SS548UC, SS548UCA, SS548UCX and SS548UCAX with roll-up type signs or 2mm AL/LDPE (Alpolic, Reynolite and Dibond) laminated substrates. Model Numbers SS548UCR, SS548UCRA, SS560UCR, SS560UCRA, SS548UCRX, SS548UCRAX, SS560UCRX and SS560UCRAX with roll-up type sign only.</p>
<p align="center">TRAFFIX DEVICES, INC.</p>	<p>Big Buster Dual Spring Folding Leg sign stand with roll-up, 0.080" aluminum or 2mm AL/LDPE (Alpolic, Reynolite and Dibond) aluminum laminated substrate, or 10mm Coreplast and Inteplast corrugated plastic sign substrate, Little Buster Dual Spring Folding Leg sign stand with roll-up, 0.080" aluminum mounted minimum 18 inches from bottom of sign, or 2mm AL/LDPE (Alpolic, Reynolite and Dibond) aluminum laminated substrate, or 10mm Coreplast and Inteplast corrugated plastic sign substrate, Econo Buster sign stands with roll-up or 2mm AL/LDPE sign.</p>
<p align="center">SIGN UP CORPORATION</p>	<p>Model Numbers 1000X, 5000X, X-CELL, MS-2000xi, 27-SSX, 38-SSB, 48-SSB sign stands with roll-up type signs only.</p>
<p align="center">RADIATOR SPECIALITY COMPANY</p>	<p>Model Numbers JL1000, JS3000, JS4000, JS4700 with roll-up signs only.</p>

**PORTABLE SIGN SUPPORTS
(NCHRP 350 Approved)
(continued)**

PACIFIC SAFETY SUPPLY, INC.	Model Numbers PS-3330 and PS-3000-S sign stands with roll-up type signs.
LANG PRODUCTS INTERNATIONAL, INC.	Model Numbers Basic TM 48, Basic TM 48 stand w/SnapFlag TM Dual Warning Flag system, CrossWindTM 204-HD, CrossWindTM 204-HD w/SnapFlag Dual Warning Flag system, 404-HD2 and 405-HD2. All models are to use roll-up type signs.
FLEX-O-LITE SERVICES AND MATERIALS CO.	Model Numbers QLV-W, QFV60, QFV-W, QFV48 sign stands with roll-up type signs.
BONE SAFETY SIGNS	Model Numbers SZ-412, SZ-412/S, SZ-460, SZ-460/S, SZ-484, SZ-484/S sign stands with roll-up type signs.

**TYPE III BARRICADES*
(NCHRP 350 Approved)**

BENT MANUFACTURING COMPANY	WZ-06 Approval Number
RECYCLED PLASTIC PRODUCTS	WZ-03 Approval Number
FLASHER HANDLING CORP.	WZ-12, WZ-40 Approval Number
CANTEL OF MEDFORD, INC.	WZ-31 Approval Number
DAVIDSON PLASTICS CORP.	WZ-39, WZ-63, WZ-179 Approval Number
EASTERN METAL/USA SIGNS.	WZ-59, WZ-103A Approval Number
PLASTIC SAFETY SYSTEMS, INC.	WZ-61, WZ-102, WZ-152, WZ-166, WZ-190, and WZ-196, WZ-233 Approval Number
AMERICAN FENCE & FAB, INC.	WZ-65 Approval Number
PROTECTION SERVICES, INC.	WZ-70 Approval Number
ST. LOUIS STEEL PRODUCTS	WZ-71 Approval Number
PLASTIC SAFETY SYSTEMS, INC.	WZ-72 Approval Number
BUNZL EXTRUSION TACOMA, INC.	WZ-77 Approval Number

TYPE III BARRICADES*
(NCHRP 350 Approved
continued

THREE D TRAFFIC WORKS, INC.	WZ-82 Approval Number
TRAFFIC DEVICES, INC.	WZ-108 Approval Number
IMPACT RECOVERY SYSTEM, INC.	WZ-110 Approval Number
TRAFCON, INC.	Type III Barricade (WZ-116 Approval Number)
KORMAN SIGNS	WZ-100 through 100#7 Approval Number
PMG LOBO LIMITED	WZ-104 Approval Number
NES WORK SAFE	WZ-120 Approval Number
NES WORK SAFE	Type III Barricade (WZ-120 Approval Number)
XCESSORIES SQUARED	Type III Barricade (WZ-148 Approval Number)
UNITED RENTALS HIGHWAY TECHNOLOGIES	WZ-117, WZ-136
DAVIDSON TRAFFIC CONTROL PRODUCTS	WZ-151 Approval Number
WESTERN HIGHWAY	WZ-155 Approval Number
TRAFFIC SAFETY SERVICES	WZ-197 AND 197#1

* Any Type III Barricade may have roll-up signs attached and still be in compliance with NCHRP 350 requirements. In addition, 10mm corrugated plastic or 2mm AL/LDPE (Alpolic, Reynolite and Dibond) laminated substitutes mounted a minimum of 87" to the top of the sign unless otherwise directed by the FHWA may be used and still be in compliance with NCHRP 350 requirements.

TRUCK MOUNTED ATTENUATORS *
(NCHRP 350 Approved)

ENERGY ABSORPTION	TL-3 ALPHA 100K TMA TL-3 SAFE STOP TMA
TRINITY INDUSTRIES SYRO STEEL	TL-3 MPS 350 TMA
IMPACT ABSORPTION	TL-3 VANDERBILT TMA
ALBERT UNRATH, INC.	TL-3 U-MAD 100K TMA
TRAFFIX DEVICES, INC.	TL-3 SCORPION C 10,000 TMA
RENCO, INC.	TL-3 RAM 100K TMA

TRAILER MOUNTED ATTENUATORS *
(NCHRP 350 Approved)

ENERGY ABSORPTION SYSTEMS, INC.	TL-3 VORTEQ TMA
TRAFFIX DEVICES, INC.	TL-3 SCORPION TMA
U-MAD TRAILER	TL-2 & TL-3 BARRIER SYSTEMS
GREGORY INDUSTRIES, INC.	TL-3 TTMA-100 TMA