



Office of Materials and Research
Qualified Products List

The following is a list of **Work Zone Traffic Control Devices** that have been evaluated by the Office of Materials and Research and have satisfied the requirements of Standard Specification Section 150 and SOP-17, "Acceptance of Miscellaneous Construction Items." These products have been crash tested under NCHRP Report 350 and approved for use on the National Highway System by the Federal Highway Administration.

QPL-34
Work Zone Traffic Control Devices
(Drums, Type III Barricades, Vertical Panels, and Portable Sign Systems)

Physical / Chemical Branch
15 Kennedy Dr.
Forest Park, GA 30297
Office Phone: 404-363-7606
Office Fax: 404-363-7684

Note: All Trade Names are Registered Trademarks of the appropriate company.
Ending Source # is 015

Drums

The Department does not maintain an approved list of Drums at this time. Drums used on Department projects must be NCHRP 350 compliant and meet Georgia Department of Transportation Subsection 150.05.A.1.a.1. In addition Drums shall meet the minimum requirements of the MUTCD Section 6F.62 and shall be reflectorized as required in Subsection 150.01.C.

The upper edge of the stripe on the drum shall be located a minimum of 33 inches above the surface of the roadway. A minimum drum diameter of 18 inches shall be maintained at a minimum of 34 inches above the roadway. Drums should be round providing a minimum of 270 square inches of specified sheeting facing the traffic at all times, with an allowance for one flat side, tab or flange to keep them from rolling into traffic. Drum tops may be rounded to prevent water and debris from collecting.

SEE NOTES AT END OF DOCUMENT

Source	Source # / Location	Address	Contact	Trade Name	Approved Signs	Device Type
Bent Manufacturing Co.	01/ USA	17331 Nichols Street Huntington Beach, CA 92647-5721 www.bentmfg.com	714-842-0600 888-842-0600	Type III Plywood Panel Barricade 4 ft. to 8 ft.		Type III Barricade
				Ultra Panel		Vertical Panel
Filtrona Extrusion Davidson Traffic Control Products	02/ USA	3110 70 th Avenue East Tacoma, WA 98424-3608 www.davidsonplastics.net	253-284-8000 800-822-7528	T3B Plastic Type III Barricade 4 ft. to 12 ft.		Type III Barricade

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Eastern Metal/USA-Signs	04/ USA	5611 A/B Greer Circle Stone Mountain, GA 30083 www.usa-sign.com	770-492-8601 800-872-7446	Melba Type III Barricade 4 ft. to 12 ft.	Roll-Up 4'x4' Rigid: 10mm Corrugated Plastic, 60"x 40" and smaller	Type III Barricade
				HI-Performance Compact Sign Stand C-102/132	Roll-Up 4'x4', Height 15"	Portable Sign System
				Super Flex Compact Stand C-202/232	Roll-Up 4'x4', Height 18"	Portable Sign System
				Super Flex Compact Stand C-222	Roll-Up 4'x4', Height 32"	Portable Sign System
				X-550 Interstate Mid-Size X-551, X-552, X-553	Roll-Up 4'x4', Height 18" Rigid: 10mm Corrugated Plastic, 4'x4', Height 18"	Portable Sign System
				X-550b Interstate Mid-Size X-551b, X-552b, X-553b	Roll-Up 4'x4', Mounting Height 18" Rigid: 10mm Corrugated Plastic, 4'x4', Height 18" HDPE, 4'x4', Height 18". 2mm Aluminum Laminate, 4'x4' or 4'x5'. Height 18"	Portable Sign System
				X-600 Interstate Stands: X-601, X-602, X-603	Roll-Up 4'x4', Height 5' Rigid: 10mm Corrugated Plastic, 4'x4' or 4'x5', Height 5' HDPE, 4'x4', Height 5'. 2mm Aluminum Laminate, 4'x4' or 4'x5', Height 5'	Portable Sign System
				350 Econo Stand Heavy Duty (Tripod Style)	Rigid: 10mm Corrugated Plastic, 4'x4', Height 18" HDPE, 4'x4', Height 18" 2mm Aluminum Laminate, 4'x4' or 4'x5'. Height 18"	Portable Sign System
				380 Econo Stand Heavy Duty (Tripod Style)	Roll-Up 4'x4', Height 15"	Portable Sign System



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Flasher Handling Corporation	05/ USA	125 Taylor Drive Depew, NY 14043 www.the-flash.com	716-681-3000 800-451-9636	"III Rail" Breakaway Barricade 4 ft.		Type III Barricade
				"Air Spill" Barricade		Vertical Panel
				Bantam 2	Roll-Up 4'x4', Height 15"	Portable Sign System
				Featherweight 2	Roll-Up 4'x4', Height 5'	Portable Sign System
Impact Recovery Systems, Inc	11/ USA	246 W. Josephine San Antonio, TX 78212 www.impactrecovery.com	210-736-4477 800-736-5256	IRS Type III Barricaide No. 600-8 8 ft.		Type III Barricade
				Single Vertical Panel Double Vertical Panel		Vertical Panel Vertical Panel
				IRS Portable Sign Stand	Roll-Up 4'x4' Height 18"	Portable Sign System
Korman Signs, Inc.	06/ USA	3029 Lincoln Avenue Richmond, VA 23228 www.kormansigns.com	804-262-6050 800-296-6050	KSIBTIII-SW 4 ft. to 8 ft.	2mm Aluminum Laminate: Any combination of signs up to 25 ft ² 4'x4' or 4'x5' and smaller.	Type III Barricade
				KSIBTIII-133Z 4 ft. to 8 ft.		
				WBT3SW and WBT3SWH 4 ft. to 12 ft.		Type III Barricade
				WBT3BR and WBT3BRH 4 ft. to 12 ft.	2mm Aluminum Laminate: Any combination of signs up to 33 ft ² 4'x4' or 4'x5' and smaller.	Type III Barricade
				EZ-Kade WBT3BT and WBT3BTH 4 ft. to 12 ft.		Type III Barricade
				SS548 and SS548A Flexible Sign Stands	Roll-Up 4'x4', Height 19- 21" Rigid: 10mm Corrugated Plastic, 4'x4' or 4'x5', Height 19-21".	Portable Sign System
				SS548C and SS548CA Compact Flexible Sign Stands	HDPE, 4'x4', Height 19-21". 2mm, 3mm, 4mm Aluminum Laminate 4'x4' or 4'x5', Height 19-21".	Portable Sign System



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Korman Signs, Inc. (continued)				SS548E and SS548AE Flexible Sign Stands	Roll-Up 4'x4', Height 21 or 60" Rigid: 10mm Corrugated Plastic, 4'x4' or 4'x5', Height 19-21". HDPE, 4'x4', Height 19-21".	Portable Sign System
				SS548ETL and SS548AETL Flexible Sign Stands	2mm, 3mm, 4mm Aluminum Laminate 4'x4' or 4'x5', Height 19-21".	Portable Sign System
				SS548EE and SS548AEE Flexible Sign Stands	Roll-Up 4'x4', Height 19", 21" or 60" Rigid: 10mm Corrugated Plastic, 4'x4' Height 19", 21" or 60" 4'x5' Height 22" or 63" HDPE, 4'x4', Height 19", 21" or 60" 2mm, 3mm, 4mm Aluminum Laminate 4'x4' Height 19", 21" or 60" 4'x5' Height 22" or 63"	Portable Sign System
				SS548UC and SS548 UCA Ultra Compact Sign Stands	Roll-Up 4'x4', Height 21". 2mm Aluminum Laminate 4'x4 or 4'x5', Height 21"	Portable Sign System
				SS548UCR and SS548 UCRA Ultra Compact Sign Stands	Roll-Up 4'x4', Height 13". 2mm Aluminum Laminate 4'x4 or 4'x5', Height 13"	Portable Sign System
				SS560 and SS560A Heavy Duty Flexible Sign Stand	Roll-Up 4'x4', Height 5' or 7'. Rigid : 10mm Corrugated Plastic: 4'x4', Height 60", 4'x5', Height 63" HDPE, 4'x4', Height 60". 2mm, 3mm & 4mm Aluminum Laminate 4'x4', Height 60", 4'x5', Height 63".	Portable Sign System
				SS560EE and SS560AEE Heavy Duty Flexible Sign Stand	Roll-Up 4'x4', Height 5' or 7'. Rigid : 10mm Corrugated Plastic: 4'x4', 4'x5', Height 5' or 7'. HDPE, 4'x4', Height 5' or 7'. 2mm, 3mm & 4mm Aluminum Laminate 4'x4', 4'x5', Height 5' or 7'.	Portable Sign System
				SS560UC and SS560UCA Ultra Compact Heavy Duty	Roll-Up 4'x4', Height 5'	Portable Sign System
				SS-1 Tripod Portable Sign Stand	Roll-Up 4'x4', Height 14" Rigid 10mm Corrugated Plastic: 4'x4', Height 14", 4'x5', Height 24" HDPE, 4'x4', Height 14" 2mm, 3mm & 4mm Aluminum Laminate 4'x4', Height 14", 4'x5', Height 24"	



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Plastic Safety Systems, Inc.	08/ USA	PO Box 20140 Cleveland, OH 44120 www.plasticsafety.com	216-231-8590 800-662-6338	PST III Barricade 4 ft. to 8 ft. Anchor Type PST III Barricade 4 ft. to 8 ft.	Roll-Up 4'x4' Rigid: 10mm Corrugated Plastic 4'x4'	Type III Barricade
Plasticade Products	07/ USA	7700 Austin Avenue Skokie, IL 60077	847-470-0400 800-772-0355	Recycled Plastic Products Hollow Core Barricade 4 ft. to 12 ft.		
Traffix Devices, Inc.	10/ USA	220 Calle Pintoresco San Clemente, CA 92672 www.traffixdevices.com	949-361-5663 800-361-5663	Traffix Type III Barricade 4 ft. to 12 ft.		Type III Barricade
				Traffix Step-N Lock Two Piece Vertical Panel		Vertical Panel
				Traffix Stand 22000	Roll-Up 4'x4', Height 12" Rigid: 10mm Corrugated Plastic, 4'x4', Height 12"	Portable Sign System
				Zephyr Portable Sign Stand	Roll-Up 4'x4', Height 12"	Portable Sign System
				Aluminum Buster Sign Stand	Roll-Up 4'x4', Height 12"	Portable Sign System
				Little Buster - Dual Spring Folding Sign Stand	Roll-Up 4'x4', Height 15" & 5' Rigid: 10mm Corrugated Plastic, 4'x4', Height 15" 2mm Aluminum Laminate 4'x4', Height 15"	Portable Sign System
				Econo Buster - Folding Leg Stand	Roll-Up 4'x4', Height 4' Rigid: 10mm Corrugated Plastic, 4'x4', Height 15" 2mm Aluminum Laminate 4'x4', Height 15"	Portable Sign System
				Big Buster Dual Spring Folding Sign Stand	Roll-Up 4'x4', Height 5' Rigid: 10mm Corrugated Plastic, 4'x4', Height 5' 2mm Aluminum Laminate 4'x4', Height 5'	Portable Sign System



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Three D Traffic Works	14/ USA	420 N. Varney Street Burbank, CA 91502 www.trafficwks.com	323-849-1316 877-843-9757	TD 2500 4 ft. to 12 ft. TD 2600 4 ft. to 12 ft.		Type III Barricade
				TrafFix Step-N Lock Two Piece Vertical Panel		Vertical Panel
The Yodock Wall Company, Inc.	13/ USA	623 NE 5 Terrace Ft. Lauderdale, FL 33304 www.waterbarrier.com	954-462-1169	Model 2000 with T-3 Kit 6 ft. Model 2001M with T-3 Kit 6 ft.		Type III Barricade
Protection Services, Inc.	09/ USA	635 Lucknow Road Harrisburg, PA 17110 www.precisionservices.com	404-997-1676 717-236-9307 800-233-7034	Bigfoot Vertical Channelizer		Vertical Panel
Dicke Tool Company	03/ USA	1201 Warren Avenue Downers Grove, IL 60515 www.dicketool.com	630-969-0050 877-891-0050	Dynalite DL 1003W Sign Stand	Roll-Up 4'x4', Height 12"	Portable Sign System
				Dynaflex DF 3330 Sign Stand	Roll-Up 4'x4', Height 12"	Portable Sign System
				Dynaflex Screwlock DF 3003W Sign Stand	Roll-Up 4'x4', Height 12"	Portable Sign System
				Dynaflex 3003S Sign Stand	Roll-Up 4'x4', Height 12"	Portable Sign System
				Dynaflex DF 4700 TX Sign Stand	Roll-Up 4'x4', Height 7"	Portable Sign System
				Dynaflex DF 4000 Sign Stand	Roll-Up 4'x4', Height 12"	Portable Sign System
				Dynaflex DF 4503 Sign Stand	Roll-Up 4'x4', Height 12"	Portable Sign System
				Twin Flex: TF12C & TF12W	Roll-Up 4'x4', Height 12"	Portable Sign System

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Dicke Tool Company (continued)				Tripod, T50 (Short Top)	Roll-Up 4'x4', Height 12"	Portable Sign System
				Tripod T-150, Heavy Duty Tripod	Roll-Up 4'x4', Height 14" Rigid 10mm Corrugated Plastic: 4'x4', Height 14", 4'x5', Height 24" HDPE, 4'x4', Height 14" 2mm, 3mm & 4mm Aluminum Laminate 4'x4', Height 14", 4'x5', Height 24"	Portable Sign System
				Twin Flex, TF 18	Roll-Up 4'x4', Height 18" Rigid: 10mm Corrugated Plastic, 4'x4', Height 18". 2mm, Aluminum Laminate, 4'x4', Height 18".	Portable Sign System
				Twin Flex, TF 60	Roll-Up 4'x4', Height 60" Rigid: 10mm Corrugated Plastic, 4'x4', Height 60". 2mm, 3mm Aluminum Laminate, 4'x4', Height 60".	Portable Sign System
				Twin Flex, TF 84	Roll-Up 4'x4', Height 84" Rigid: 10mm Corrugated Plastic, 4'x4', Height 84". 2mm, Aluminum Laminate, 4'x4', Height 84".	Portable Sign System
				UniFlex UF 2000	Roll-Up 4'x4', Height 12"	Portable Sign System
				Fold & Roll DF 3003S Sign System	Roll-Up 4'x4', Height 12"	Portable Sign System
				SLIP-60	Rigid: 2mm Aluminum Laminate, 4'x4' Height 5 ft.	Portable Sign System



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MDI Traffic Control Products	15/ USA	38271 W. Twelve Mile Road Farmington Hills, MI 48331 www.mditrafficcontrol.com	800-521-6776	Wind Master Models: 4814 DLK and 4814 HDK 5012 NS and 5012 SS	Roll-Up 4'x4', Height 12"	Portable Sign System
				Wind Master Models: 30 CAM and 40 CAM	Roll-Up 4'x4', Height 12.75"	Portable Sign System
				Wind Master Models: 4818K and 5018	Roll-Up 4'x4', Height 18" Rigid: HDPE, 4'x4', Height 18" 2mm Aluminum Laminate 4'x4', Height 18"	Portable Sign System
				Wind Master Model 4845 RBK-60	Roll-Up 4'x4', Height 60" Rigid: HDPE, 4'x4', Height 60" 2mm Aluminum Laminate 4'x4', Height 60"	Portable Sign System
				Wind Master Model 4860K	Roll-Up 4'x4', Height 72" Rigid: HDPE, 4'x4', Height 60" 2mm Aluminum Laminate 4'x4', Height 60"	Portable Sign System
Middle Georgia Signs	12/ USA	502 N. Second Street Cochran, GA 31014 www.middlegasigns.com	478-934-1094 866-934-1094	MGS 48A Sign Stand Assy	Rigid: 2mm & 3mm Aluminum Laminate 4'x4', Height 12"	Portable Sign System



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- 1.) All Trade Names are Registered Trademarks of the appropriate company.
- 2.) All products on QPL-34 must be crash tested under NCHRP Report 350 and approved for use on the National Highway System by the United States Department of Transportation Federal Highway Administration.
- 3.) Type III Barricades, Vertical Panels, and Portable Sign Stands not listed on QPL-34 shall not be used for traffic control without Department approval.
- 4.) All products listed on QPL - 34 must be used according manufacturers recommendations. Including; attachments, bolts, brackets, hardware, signs, nuts, washers, etc.
- 5.) All products on QPL-34 must be labeled as meeting NCHRP-350 crash testing.
- 6.) **Type III Barricades** shall meet the minimum requirements of the MUTCD and shall be reflectorized as required in Subsection 150.01.C. Signs can only be attached to barricade rails and may only extend above the top rail.

Approved Sign Substrates for Type III Barricades:

Roll-up Sign sheeting shall be Fluorescent Orange and meet Subsection 150.01.C.

10 mm Corrugated Plastic: Coroplast and Intecell "IntePro"

2mm Aluminum Laminate: Alusuisse "Diobond", Reynolds Aluminum "Reynolite",

Mitsubishi "Alpolic 350" (ACS) Aluminum Composite Substrate.

Reflective Sheeting for rigid signs shall meet Subsection 150.01.C. Approved Reflective Sheeting is listed on QPL-29.

- 7.) **Vertical Panels** shall meet the minimum requirements of the MUTCD and shall have a minimum of 270 square inches of retro-reflective area facing the traffic and shall be mounted with the top of the reflective panel a minimum of 36" above the roadway, 8" to 12" wide.
- 8.) **Portable Sign Systems** with Rigid Signs are approved as separate systems and are not interchangeable with other Portable Sign Stands unless approved by the Office of Materials and Research. Two flags may be used on Portable Sign Systems less than 7 feet in height.

Approved Roll-Up and Rigid Sign Substrates for Portable Sign Systems:

Roll-up Sign sheeting shall be Fluorescent Orange and meet Subsection 150.01.C. Rollup Signs are approved for use on all approved Portable Sign Systems.

10mm Corrugated Plastic: Coroplast and Intecell "IntePro".

HDPE: 5/8 in. blow molded HD Polyethylene Substrate with waffle pattern tack-offs, and radius corners by Stabler Companies.

2mm Aluminum Laminate: Alusuisse "Diobond", Reynolds Aluminum "Reynolite",

Mitsubishi "Alpolic 350" (ACS) Aluminum Composite Substrate.

3mm Aluminum Laminate: Reynolds Aluminum "Reynobond",

Mitsubishi "Alpolic 350" (ACS) Aluminum Composite Substrate.

4mm Aluminum Laminate: Mitsubishi "Alpolic 350" (ACS) Aluminum Composite Substrate.

0.080 Aluminum

Reflective Sheeting for rigid signs shall meet Subsection 150.01.C. Approved Reflective Sheeting is listed on QPL-29.

- 9.) The Department prohibits the use of peripheral equipment that is not necessary to the function of the products listed in QPL-34 unless otherwise specified, in which case the equipment shall be certified NCHRP-350 compliant by the manufacturer. (Example: Flashing Lights, Supplementary Signs, Flags, etc., are not allowed on Vertical Panels and Type III Barricades)