



WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

Division of Highways

1900 Kanawha Boulevard East • Building Five • Room 110
Charleston, West Virginia 25305-0430 • (304) 558-3505

December 16, 2011

MEMORANDUM

TO: ALL DISTRICT MATERIALS SUPERVISORS

FROM: DM *P-7*

SUBJECT: APPROVED PRODUCT LIST FOR TRAFFIC SAFETY DEVICES

Attached is a recently revised Approved Product List for Traffic Safety Devices. The assigned laboratory numbers are the result of evaluations and testing of these products and will be used for material approval for the Division of Highways until further notice. The following products from Energy Absorption Systems (Source Code E080A) have been added to the Type VIII (715.41.8) list:

<u>Product</u>	<u>Laboratory Approval Number</u>
QUADGUARD-II QG27024	1424016A
QUADGUARD-II QG27030	1424017A
QUADGUARD-II QG27036	1424018A
QUADGUARD-II QG27048	1424019A
QUADGUARD-II QG210024	1424020A
QUADGUARD-II QG210030	1424021A
QUADGUARD-II QG210036	1424022A
QUADGUARD-II QG210048	1424023A
QUADGUARD-II QG210069	1424024A
QUADGUARD-II QG210090	1424025A

Also, please note that Energy Absorption Systems Quadguard Models QS6906Y and QS9006Y have been removed from the list.

Should you require additional information, please contact Mr. Jim Clifton of this Division at (304) 558-9845.

ACG:Hjcs

Attachment

cc: DM – Clifton, Hanna, Brayack
DC – Pat Darby

Traffic Safety Devices
 Effective Date: October, 2011
 Matl's Code 1399

TYPE I (715.41.1)		
MANUFACTURER	PRODUCT	LAB APPROVAL NUMBER
Energy Absorption Systems	REACT-350 - 60" (see note 1)	1386471A
Energy Absorption Systems	REACT-350 - 96" (see note 1)	1386472A
Energy Absorption Systems	REACT-350 - 120" (see note 2)	1386473A
TYPE II (715.41.2)		
MANUFACTURER	PRODUCT	LAB APPROVAL NUMBER
Trinity Industries, Inc.	TRACC 970SS (see note 3)	1386474A
Trinity Industries, Inc.	SHORTRACC 935SS (see note 4)	1386475A
Trinity Industries, Inc.	TRACC 25980A - 24" (see note 5)	1386476A
Trinity Industries, Inc.	TRACC 25980A - 30" (see note 6)	1386477A
Trinity Industries, Inc.	SHORTRACC 25997A - 24" (see note 7)	1386478A
Trinity Industries, Inc.	SHORTRACC 25997A - 30" (see note 8)	1386479A
TYPE III (715.41.7)		
MANUFACTURER	PRODUCT	LAB APPROVAL NUMBER
SCI Products, Inc.	SCI-100GM (see note 5)	1386480A
TYPE V (715.41.5)		
MANUFACTURER	PRODUCT	LAB APPROVAL NUMBER
Traffix Devices	Sand Barrels (see note 9)	1386481A
Energy Absorption Systems	Energite Sand Barrels (see note 9)	1386482A
Energy Absorption Systems	Fitch Universal Sand Barrels (see note 9)	1386483A
Plastic Safety Systems	CrashGard (see note 9)	1387121A
TYPE VI (715.41.6)		
MANUFACTURER	PRODUCT	LAB APPROVAL NUMBER
Trinity Industries	Crash Cushion Terminal	1386484A

TYPE VII (715.41.7)		
MANUFACTURER	PRODUCT	LAB APPROVAL NUMBER
Traffix Devices	Scorpion-A TL-2 (see note 10)	1386485A
Traffix Devices	Scorpion-C TL-3	1386486A
Traffix Devices	Scorpion Trailer Attenuator (TA) TL-2 (see note 10)	1386579A
Traffix Devices	Scorpion Trailer Attenuator (TA) TL-3	1386580A
Trinity Industries	MPS-350 III	1386487A
Dimensional Products, Inc	U-MAD 70K-TL-2 (see note 10)	1386488A
Dimensional Products, Inc	U-MAD 100K TL-3	1386489A
Energy Absorption Systems	Safe-Stop	1386490A
Energy Absorption Systems	Alpha 70K	1386491A
Energy Absorption Systems	SST - TMA	1388802A
TYPE VIII (715.41.8)		
MANUFACTURER	PRODUCT	LAB APPROVAL NUMBER
Energy Absorption Systems	QuadGuard QS2403Y (see note 4)	1386492A
Energy Absorption Systems	QuadGuard QS3003Y (see note 20)	1386493A
Energy Absorption Systems	QuadGuard QS3603Y (see note 11)	1386494A
Energy Absorption Systems	QuadGuard QS6903Y (see note 12)	1386495A
Energy Absorption Systems	QuadGuard QS9003Y (see note 13)	1386496A
Energy Absorption Systems	QuadGuard QS2406Y (see note 3)	1386497A
Energy Absorption Systems	QuadGuard QS3006Y (see note 21)	1386498A
Energy Absorption Systems	QuadGuard QS3606Y (see note 14)	1386499A
Energy Absorption Systems	QUADGUARD-HS QH2409Y (see note 17)	1386502A
Energy Absorption Systems	QUADGUARD-HS QH3009Y (see note 18)	1386503A
Energy Absorption Systems	QUADGUARD-HS QH3609Y (see note 19)	1386504A
Energy Absorption Systems	QUADGUARD-II QG27024 (see note 7)	1424016A
Energy Absorption Systems	QUADGUARD-II QG27030 (see note 8)	1424017A
Energy Absorption Systems	QUADGUARD-II QG27036 (see note 22)	1424018A
Energy Absorption Systems	QUADGUARD-II QG27048 (see note 23)	1424019A
Energy Absorption Systems	QUADGUARD-II QG210024 (see note 5)	1424020A
Energy Absorption Systems	QUADGUARD-II QG210030 (see note 6)	1424021A
Energy Absorption Systems	QUADGUARD-II QG210036 (see note 24)	1424022A
Energy Absorption Systems	QUADGUARD-II QG210048 (see note 25)	1424023A
Energy Absorption Systems	QUADGUARD-II QG210069 (see note 15)	1424024A
Energy Absorption Systems	QUADGUARD-II QG210090 (see note 16)	1424025A

NOTES:

1. NCHRP -350 Test Level 2 and 3 versions. Approved for permanent (when specified) applications.
2. NCHRP-350 Test Level 3 version. Approved for permanent (when specified) applications.
3. NCHRP-350 Test Level 3 version. Device is non-tapered, non-gating. Device designed to shield obstacles 24" wide and less. Approved for temporary work zone applications only.
4. NCHRP-350 Test Level 2 version. Device is non-tapered, non-gating. Device designed to shield obstacles 24" wide and less. Approved for temporary work zone applications only.
5. NCHRP-350 Test Level 3 version. Device is non-tapered, non-gating. Device designed to shield obstacles 24" wide and less. Approved for temporary work zone and permanent (when specified) applications.
6. NCHRP-350 Test Level 3 version. Device is non-tapered, non-gating. Device designed to shield obstacles 30" wide and less. Approved for temporary work zone and permanent (when specified) applications.
7. NCHRP-350 Test Level 2 version. Device is non-tapered, non-gating. Device designed to shield obstacles 24" wide and less. Approved for temporary work zone and permanent (when specified) applications.
8. NCHRP-350 Test Level 2 version. Device is non-tapered, non-gating. Device designed to shield obstacles 30" wide and less. Approved for temporary work zone and permanent (when specified) applications.
9. Approved for temporary work zone as required per WVDOH Temporary Impact Attenuator specifications and permanent (when specified) applications.
10. Approved for use only where the normal posted or statutory speed limit is 45 MPH or less, regardless of the applicable work zone speed limit in effect.
11. NCHRP-350 Test Level 2 version. Device is non-tapered, non-gating. Device designed to shield obstacles 36" wide and less. Approved for temporary work zone applications only.
12. NCHRP-350 Test Level 2 version. Device is tapered, non-gating. Device designed to shield obstacles 69" wide and less. Approved for permanent (when specified) applications.
13. NCHRP-350 Test Level 2 version. Device is tapered, non-gating. Device designed to shield obstacles 90" wide and less. Approved for permanent (when specified) applications.
14. NCHRP-350 Test Level 3 version. Device is tapered, non-gating. Device designed to shield obstacles 36" wide and less. Approved for temporary work zone applications only.
15. NCHRP-350 Test Level 3 version. Device is tapered, non-gating. Device designed to shield obstacles 69" wide and less. Approved for permanent (when specified) applications.
16. NCHRP-350 Test Level 3 version. Device is tapered, non-gating. Device designed to shield obstacles 90" wide and less. Approved for permanent (when specified) applications.
17. Device is non-tapered, non-gating. Device designed to shield obstacles 24" wide and less. Approved for permanent applications when a 70 MPH "High Speed" device is specified.
18. Device is non-tapered, non-gating. Device designed to shield obstacles 30" wide and less. Approved for permanent applications when a 70 MPH "High Speed" device is specified.
19. Device is non-tapered, non-gating. Device designed to shield obstacles 36" wide and less. Approved for permanent applications when a 70 MPH "High Speed" device is specified.
20. NCHRP-350 Test Level 2 version. Device is non-tapered, non-gating. Device designed to shield obstacles 30" wide and less. Approved for temporary work zone applications only.

21. NCHRP-350 Test Level 3 version. Device is non-tapered, non-gating. Device designed to shield obstacles 30" wide and less. Approved for temporary work zone applications only.
22. NCHRP-350 Test Level 2 version. Device is non-tapered, non-gating. Device designed to shield obstacles 36" wide and less. Approved for temporary work zone and permanent (when specified) applications.
23. NCHRP-350 Test Level 2 version. Device is non-tapered, non-gating. Device designed to shield obstacles 48" wide and less. Approved for temporary work zone and permanent (when specified) applications.
24. NCHRP-350 Test Level 3 version. Device is non-tapered, non-gating. Device designed to shield obstacles 36" wide and less. Approved for temporary work zone and permanent (when specified) applications.
25. NCHRP-350 Test Level 3 version. Device is non-tapered, non-gating. Device designed to shield obstacles 48" wide and less. Approved for temporary work zone and permanent (when specified) applications.