

**Approved Products List
Traffic Safety Devices - NCHRP-350
January 2019**

NCHRP-350 Approved Devices

Refer to the "Traffic Safety Devices - MASH" APL for MASH approved devices

Refer to project plans, 2017 Standard Specifications, and latest Supplemental to the Standard Specifications for guidance regarding the required use of a NCHRP-350 or MASH approved device

MANUFACTURER	PRODUCT	LAB APPROVAL NUMBER
Trinity Highway Products	REACT-350 - 60" (See Note 1)	1386471A
Trinity Highway Products	REACT-350 - 96" (See Note 1)	1386472A
Trinity Highway Products	REACT-350 - 120" (See Note 2)	1386473A

MANUFACTURER	PRODUCT	LAB APPROVAL NUMBER
Trinity Highway Products	TRACC 970SS (see note 3)	1386474A
Trinity Highway Products	SHORTTRACC 935SS (see note 4)	1386475A
Trinity Highway Products	TRACC 25980A - 24" (see note 5)	1386476A
Trinity Highway Products	TRACC 25980A - 30" (see note 6)	1386477A
Trinity Highway Products	SHORTTRACC 25997A - 24" (see note 7)	1386478A
Trinity Highway Products	SHORTTRACC 25997A - 30" (see note 8)	1386479A

TYPE III (715.41.7)

MANUFACTURER	PRODUCT	LAB APPROVAL NUMBER
Work Area Protection Corp.	SCI-70GM (see note 7)	1457925A
Work Area Protection Corp.	SCI-100GM (see note 5)	1386480A

TYPE V (715.41.1)

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 (715.41.2)

MANUFACTURER	PRODUCT	LAB APPROVAL NUMBER
Trinity Highway Products	Crash Cushion Terminal	1386484A

TYPE VII (715.41.3)

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)	1386479A
Traffix Devices	Scorpion Trailer Attenuator (TA) TL-3	1386480A
Trinity Highway Products	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		1386491A
Energy Absorption Systems	SST - TMA	1388802A
Gregory Industries Inc.	TTMA-100	1435781A

TYPE VIII (715.41.4)

MANUFACTURER	PRODUCT	LAB APPROVAL NUMBER
Trinity Highway Products	QuadGuard QS2403Y (see note 4)	1386492A
Trinity Highway Products	QuadGuard QS3003Y (see note 20)	1386493A
Trinity Highway Products	QuadGuard QS3603Y (see note 11)	1386494A
Trinity Highway Products	QuadGuard QS6903Y (see note 12)	1386495A
Trinity Highway Products	QuadGuard QS9003Y (see note 13)	1386496A
Trinity Highway Products	QuadGuard QS2406Y (see note 3)	1386497A
Trinity Highway Products	QuadGuard QS3006Y (see note 21)	1386498A
Trinity Highway Products	QuadGuard QS3606Y (see note 14)	1386499A
Trinity Highway Products	QuadGuard-HS QH2409Y (see note 17)	1386502A
Trinity Highway Products	QuadGuard-HS QH3009Y (see note 18)	1386503A
Trinity Highway Products	QuadGuard-HS QH3609Y (see note 19)	1386504A
Trinity Highway Products	Quadguard-II QG27024 (see note 7)	1424016A
Trinity Highway Products	Quadguard-II QG27030 (see note 8)	1424017A
Trinity Highway Products	Quadguard-II QG27036 (see note 22)	1424018A
Trinity Highway Products	Quadguard-II QG27048 (see note 23)	1424019A
Trinity Highway Products	Quadguard-II QG210024 (see note 5)	1424020A
Trinity Highway Products	Quadguard-II QG210030 (see note 6)	1424021A
Trinity Highway Products	Quadguard-II QG210036 (see note 24)	1424022A
Trinity Highway Products	Quadguard-II QG210048 (see note 25)	1424023A
Trinity Highway Products	Quadguard-II QG210069 (see note 15)	1424024A
Trinity Highway Products	Quadguard-II QG210090 (see note 16)	1424025A

Type IX (715.41.8)

MANUFACTURER	PRODUCT	LAB APPROVAL NUMBER
Barrier Systems Inc.	30T070PYC (See note 8)	1428435A
Barrier Systems Inc.	30T070CYC (See note 8)	1428436A
Barrier Systems Inc.	30T070PYA (See note 20)	1428437A
Barrier Systems Inc.	30T070CYA (See note 20)	1428438A
Barrier Systems Inc.	36T070PYC (See note 22)	1428439A
Barrier Systems Inc.	36T070CYC (See note 22)	1428440A
Barrier Systems Inc.	36T070PYA (See note 11)	1428441A
Barrier Systems Inc.	36T070CYA (See note 11)	1428442A
Barrier Systems Inc.	36T070FYC (See note 22)	1428443A
Barrier Systems Inc.	42T070WYC (See note 26)	1428444A
Barrier Systems Inc.	48T070WYC (See note 27)	1428445A
Barrier Systems Inc.	54T070WYC (See note 28)	1428446A
Barrier Systems Inc.	60T070WYC (See note 29)	1428447A
Barrier Systems Inc.	66T070WYC (See note 30)	1428448A
Barrier Systems Inc.	72T070WYC (See note 31)	1428449A
Barrier Systems Inc.	78T070WYC (See note 32)	1428450A
Barrier Systems Inc.	84T070WYC (See note 33)	1428451A
Barrier Systems Inc.	90T070WYC (See note 13)	1428452A
Barrier Systems Inc.	96T070WYC (See note 34)	1428453A
Barrier Systems Inc.	30T100PYC (See note 6)	1428454A
Barrier Systems Inc.	30T100CYC (See note 6)	1428455A
Barrier Systems Inc.	30T100PYA (See note 21)	1428456A
Barrier Systems Inc.	30T100CYA (See note 21)	1428457A
Barrier Systems Inc.	36T100PYC (See note 24)	1428458A
Barrier Systems Inc.	36T100CYC (See note 24)	1428459A
Barrier Systems Inc.	36T100PYA (See note 14)	1428460A
Barrier Systems Inc.	36T100CYA (See note 14)	1428461A
Barrier Systems Inc.	36T100FYC (See note 24)	1428462A
Barrier Systems Inc.	42T100WYC (See note 35)	1428463A
Barrier Systems Inc.	48T100WYC (See note 36)	1428464A
Barrier Systems Inc.	54T100WYC (See note 37)	1428465A
Barrier Systems Inc.	60T100WYC (See note 38)	1428466A
Barrier Systems Inc.	66T100WYC (See note 39)	1428467A
Barrier Systems Inc.	72T100WYC (See note 40)	1428468A
Barrier Systems Inc.	78T100WYC (See note 41)	1428469A
Barrier Systems Inc.	84T100WYC (See note 42)	1428470A
Barrier Systems Inc.	90T100WYC (See note 16)	1428471A
Barrier Systems Inc.	96T100WYC (See note 43)	1428472A
Barrier Systems Inc.	102T110WYC (See note 44)	1428473A

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) applicati
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) applicati
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) applicati
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) applicati
9. Approved for temporary work zone (as required per WVDOH Temporary Impact Attenuator specification 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 f 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 f 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 f 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.

obstacles 78" wide and less. Approved for permanent (when specified) applications.

42. NCHRP-350 Test Level 3 version. Device is tapered, non-gating. Device designed to shield obstacles 84" wide and less. Approved for permanent (when specified) applications.

43. NCHRP-350 Test Level 3 version. Device is tapered, non-gating. Device designed to shield obstacles 96" wide and less. Approved for permanent (when specified) applications.

44. NCHRP-350 Test Level 3 version. Device is tapered, non-gating. Device designed to shield obstacles 102" wide and less. Approved for permanent (when specified) applications.