

California Department of Transportation
 Authorized Materials List
 for
 Highway Safety Features

2/11/2026

MASH Implementation Website: <https://dot.ca.gov/programs/safety-programs/MASH>

Caltrans approved vendor drawings, links to vendor websites, and Caltrans product approval memos can be found on the link above.

Crash Cushions

| Product Name | P ¹ | T ² | N ³ | W ⁴ | Manufacturer | 350/MASH | Re-Authorization |
|---|----------------|----------------|----------------|----------------|----------------------------------|----------|------------------|
| ABSORB-M Crash Cushion System, TL-2 (2 element) | - | X | X | - | Lindsay Transportation Solutions | MASH | 3/2028 |
| ABSORB-M Crash Cushion System, TL-3 (3 element) | - | X | X | - | Lindsay Transportation Solutions | MASH | 3/2028 |
| ABSORB-RZ, TL-3 use with QMB-CRTS only | - | X | X | - | Lindsay Transportation Solutions | MASH | 9/2027 |
| ArmorBuffa, TL-3 (4 element) | - | X | X | - | Valtir, LLC | MASH | 9/2027 |
| Big Sandy Inertial Crash Cushion System (ICS), TL-3 | - | X | X | - | Traffix Devices, Inc. | MASH | 10/2025 |
| CrashGard Sand Barrel (CC-48), TL-3 | - | X | X | - | Plastic Safety Systems, Inc. | 350 | 12/2026 |
| Delta Crash Cushion, TL-3 | X | - | X | - | Traffix Devices, Inc. | MASH | 7/2025 |
| Energite III Modified Sand Barrel Array, TL-3 | X | X | X | - | Valtir, LLC | MASH | 4/2026 |

Legend: 1. P - Permanent, 2. T - Temporary, 3. N - Narrow, 4. W - Wide

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Crash Cushions (continued)

| Product Name | P¹ | T² | N³ | W⁴ | Manufacturer | 350/MASH | Re-Authorization |
|---|----------------------|----------------------|----------------------|----------------------|-----------------------|-----------------|-------------------------|
| QuadGuard Elite M10, TL-3 | X | - | X | - | Valtir, LLC | MASH | 12/2025 |
| QuadGuard Elite M10 Wide, TL-3 | X | - | - | X | Valtir, LLC | MASH | 12/2025 |
| QuadGuard M Wide, TL-3 | X | - | - | X | Valtir, LLC | MASH | 12/2025 |
| QuadGuard M10, TL-3 | X | - | X | - | Valtir, LLC | MASH | 12/2025 |
| QuadGuard M10 24-In Wide, TL-2 | X | - | X | - | Valtir, LLC | MASH | 12/2025 |
| QUASH Crash Cushion System, TL2 (4 element) | - | X | X | - | MOOVOP, Inc. | MASH | 7/2027 |
| QUASH Crash Cushion System, TL-3 (6 element) | - | X | X | - | MOOVOP, Inc. | MASH | 7/2027 |
| REACT M, TL-3 | X | X | X | - | Valtir, LLC | MASH | 2/2027 |
| SCI-70GM, TL-2 | X | - | X | - | Hill & Smith, Inc. | MASH | 3/2028 |
| SCI-100GM, TL-3 | X | - | X | - | Hill & Smith, Inc. | MASH | 3/2028 |
| Sentry Longitudinal Energy Dissipater (SLED), TL-3 | - | X | X | - | Traffix Devices, Inc. | MASH | 11/2025 |

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Crash Cushions (continued)

| Product Name | P¹ | T² | N³ | W⁴ | Manufacturer | 350/MASH | Re-Authorization |
|--|----------------------|----------------------|----------------------|----------------------|----------------------------|-----------------|-------------------------|
| SMART Crash Cushion Variable Width Transition, TL-3 | X | - | - | X | Hill & Smith, Inc. | MASH | 2/2026 |
| SmartPod Crash Cushion, TL-3 | X | X | X | - | Hill & Smith, Inc. | MASH | 10/2026 |
| TAU-XR Crash Cushion, TL-3 | X | X | X | X | Barrier Systems by Lindsay | MASH | 10/2026 |
| Universal TAU-M Parallel Crash Cushion, TL-2 (4 element) | X | - | X | X | Barrier Systems by Lindsay | MASH | 6/2026 |
| Universal TAU-M Parallel Crash Cushion, TL-2 (7 element) | X | - | X | X | Barrier Systems by Lindsay | MASH | 6/2026 |

Legend: 1. P - Permanent, 2. T - Temporary, 3. N - Narrow, 4. W - Wide

End Terminals

| Product Name | F¹ | I² | M³ | Manufacturer | 350/MASH | Re-Authorization |
|--|----------------------|----------------------|----------------------|----------------------------|-----------------|-------------------------|
| MASH Flared Terminal (MFLEAT), TL-3 | X | - | - | Road Systems, Inc. (RSI) | MASH | 7/2027 |
| MAX-Tension Median Terminal, TL-3 | - | - | X | Valtir, LLC | MASH | 11/2027 |
| MAX-Tension Tangent Guardrail Terminal, TL-2 | - | X | - | Barrier Systems by Lindsay | MASH | 6/2026 |

Legend: 1. F - Flared, 2. I - Inline, 3. M - Median

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End Terminals (continued)

| Product Name | F¹ | I² | M³ | Manufacturer | 350/MASH | Re-Authorization |
|--|----------------------|----------------------|----------------------|----------------------------|-----------------|-------------------------|
| MAX-Tension Tangent Guardrail Terminal, TL-3 | - | X | - | Barrier Systems by Lindsay | MASH | 6/2026 |
| Median Attenuating Trend Terminal (MATT), TL-3 | - | - | X | Valtir, LLC | MASH | 11/2027 |
| Sequential Kinking Terminal-Standard Post-Midwest Guardrail system (MSKT-SP-MGS), TL-2 | - | X | - | Road Systems, Inc. (RSI) | MASH | 8/2026 |
| Sequential Kinking Terminal-Standard Post-Midwest Guardrail system (MSKT-SP-MGS), TL-3 | - | X | - | Road Systems, Inc. (RSI) | MASH | 8/2026 |
| SoftStop System Tangent End Terminal, 8-in/12-in block, TL-1 | - | X | - | Valtir, LLC | MASH | 5/2027 |
| SoftStop System Tangent End Terminal, 8-in block, TL-2, TL-3 | - | X | - | Valtir, LLC | MASH | 10/2025 |
| SoftStop System Tangent End Terminal, 12-in block, TL-2, TL-3 | - | X | - | Valtir, LLC | MASH | 10/2025 |
| SPIG Gating End Terminal (SGET), TL-3 | - | X | - | SPIG Industry, LLC | MASH | 1/2027 |
| 4-Foot Flared Trend (4F-T), TL-3 | X | - | - | Valtir, LLC | MASH | 11/2027 |

Legend: 1. F - Flared, 2. I - Inline, 3. M - Median

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Barriers

| Product Name | P¹ | T² | M³ | Manufacturer | 350/MASH | Re-Authorization |
|---|----------------------|----------------------|----------------------|----------------------------|-----------------|-------------------------|
| ArmorGuard Barrier, TL-3 | X | - | - | Barrier Systems by Lindsay | 350 | 12/2026 |
| BarrierGate (BG 1.5), TL-3 | X | - | - | Valtir, LLC | 350 | 12/2026 |
| Brifen Wire Rope Safety Fence (WRSF), O-post, TL-3 | X | - | - | Brifen USA, Inc. | MASH | 3/2028 |
| Defender Barrier System 100 High Containment (100HC), TL-4 | - | X | - | Safe Barriers, LLC | MASH | 4/2026 |
| Defender Barrier System 100 Low Deflection System (100LDS), TL-3 | - | X | - | Safe Barriers, LLC | MASH | 4/2026 |
| J-J Hooks, Freestanding, Staked-down, Bolted-down Precast Concrete Barriers, TL-3 | - | X | - | Easi-Set Worldwide | MASH | 6/2026 |
| HighwayGuard LDS TL-3 | - | X | - | Valtir, LLC | MASH | 7/2026 |
| HighwayGuard MDS TL-3 | - | X | - | Valtir, LLC | MASH | 7/2026 |
| HighwayGuard SDS TL-3 | - | X | - | Valtir, LLC | MASH | 7/2026 |
| HV2 Steel Safety Barrier, TL-3, TL-4 | - | X | - | Saferoads | MASH | 8/2024 |
| Pro-Cast Rigid Barriers, TL-3 | - | X | - | Procast-Products Inc. | MASH | 5/2027 |

Legend: 1. P - Permanent, 2. T - Temporary, 3. M - Movable

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Barriers (continued)

| Product Name | P¹ | T² | M³ | Manufacturer | 350/MASH | Re-Authorization |
|--|----------------------|----------------------|----------------------|----------------------------------|-----------------|-------------------------|
| QuickChange Moveable Barrier Concrete Reactive Tension system (QMB-CRTS), TL-3 | - | - | X | Lindsay Transportation Solutions | MASH | 2/2026 |
| REBLOC 80SAH_12, TL-3 | - | X | - | REBLOC, Inc | MASH | 4/2027 |
| TALL42 Moveable Barrier, TL-3 | - | - | X | MOOVOP, Inc. | MASH | 7/2027 |
| Zoneguard, Standard and Minimum Deflection Systems, TL-3 | - | X | - | Hill & Smith, Inc | MASH | 2/2026 |

Legend: 1. P - Permanent, 2. T - Temporary, 3. M - Movable

Truck and Trailer Mounted Attenuators

| Product Name* | Manufacturer | 350/MASH | Re-Authorization |
|---|---------------------|-----------------|-------------------------|
| ALPHA DXM TMA, TL-2, 16,100 - 26,500 lbs | Valtir, LLC | MASH | 5/2026 |
| BLADE-TMA, TL-3, 16,100 - 21,000 lbs | Verdegro, USA LLC | MASH | 2/2026 |
| MPS-350 Truck Mounted Attenuator (TMA), TL-3 16,100 - 21,000 lbs | Valtir, LLC | 350 | 12/2026 |
| Safe-Stop Trailer (SST), TL-3, 16,100 - 54,000 lbs | Valtir, LLC | 350 | 12/2026 |

*Allowable support truck weight

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Truck and Trailer Mounted Attenuators (continued)

| Product Name* | Manufacturer | 350/MASH | Re-Authorization |
|---|--------------------------|-----------------|-------------------------|
| Scorpion 10,000 A, TL-2, 16,100 - 26,400 lbs | TraFFix Devices, Inc. | 350 | 12/2026 |
| Scorpion 10,000 C, TL-3, 16,100 - 54,000 lbs | TraFFix Devices, Inc. | 350 | 12/2026 |
| Scorpion II Metro Truck Mounted Attenuator, TL-2 16,100 lbs - no maximum | TraFFix Devices, Inc. | MASH | 4/2026 |
| Scorpion II Trailer Attenuator (TA), TL-3 16,100 lbs - no maximum | TraFFix Devices, Inc. | MASH | 10/2026 |
| Scorpion II Truck Mounted Attenuator, TL-3 16,100 lbs - no maximum | TraFFix Devices, Inc. | MASH | 10/2026 |
| Scorpion Trailer, TL-3, 16,100 - 54,000 lbs | TraFFix Devices, Inc. | 350 | 12/2026 |
| SMT, TL-3, 16,100 - 25,000 lbs | Valtir, LLC | MASH | 11/2025 |
| SS180 M, TL-3, 16,100 - 25,000 lbs | Valtir, LLC | MASH | 11/2025 |
| SS90 HD, TL-3, 16,100 - 21,000 lbs | Valtir, LLC | 350 | 12/2026 |
| TTMA-100 Trailer Mounted Attenuator, TL-3 16,100 - 54,000 lbs | Gregory Industries, Inc. | 350 | 12/2026 |
| TTMA-200 Trailer Mounted Attenuator, TL-3 16,100 - no maximum | Gregory Industries, Inc. | MASH | 7/2025 |

*Allowable support truck weight

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Truck and Trailer Mounted Attenuators (continued)

| Product Name* | Manufacturer | 350/MASH | Re-Authorization |
|--|---------------------|-----------------|-------------------------|
| VORTEQ M TTMA, TL-3, 16,100 - no maximum | Valtir, LLC | MASH | 5/2026 |

*Allowable support truck weight

Miscellaneous

| Product Name | Manufacturer | 350/MASH | Re-Authorization |
|---|---|-----------------|-------------------------|
| King MASH16 Composite Block, 8-in, TL-3 | Valtir, LLC | MASH | 4/2028 |
| King MASH16 Composite Block, 12-in, TL-3 | Valtir, LLC | MASH | 4/2028 |
| Mondo Block Model GB14SH1, 8-in block, TL-3 | Mondo Polymer Technologies | MASH | 07/2028 |
| Mondo Block Model MGS14SH, 12-in block, TL-3 | Mondo Polymer Technologies | MASH | 06/2028 |
| Mondo Recycled Polymer Offset Block Model TB21SH, TL-3 | Mondo Polymer Technologies | 350 | 12/2026 |
| Redi-Torque Slip Base System, Model 280 Breakaway, TL-3 | Xcessories Squared Development & Mfg., Inc. | 350 | 12/2026 |
| SQR-LOC, TL-3 | Valtir, LLC. | MASH | 8/2027 |
| Type B call box, TL-3 | N/A | 350 | 12/2026 |

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Miscellaneous (continued)

| Product Name | Manufacturer | 350/MASH | Re-Authorization |
|--|-------------------------------------|-----------------|-------------------------|
| Type F call box, TL-3 | N/A | 350 | 12/2026 |
| V-Loc sign and Mailbox Anchoring System, Breakaway | Traffic & Parking Control Co., Inc. | 350 | 12/2026 |

Standard details and User Guides for approved Caltrans non-proprietary bridge rails are in the Caltrans Standard Plans, the Caltrans/DES webpage for Standard Plan User Guides, and on the Bridge Standard Details (XS Sheets) webpage. To access them see the weblinks below.

OCCS Standards: <https://dot.ca.gov/programs/design/ccs-standard-plans-and-standard-specifications>

Standard Plans User Guides: <https://dot.ca.gov/programs/engineering-services/manuals/standard-plans-user-guides>

Bridge Standard Details: <https://dot.ca.gov/programs/engineering-services/manuals/bridge-standard-details>