

## Portable Positive Protection Developmental Progression of “Highly Mobile Barriers”

**TTI Mobile Work Zone Barrier (c. 1982)**  
Station wagons with guardrail. Not commercialized.



**TTI Mobile Work Zone Barrier (c. 1984)**  
Dump trucks with beam. Not commercialized.



**Caltrans Balsi Beam (c. 2002)** Limited to stationary applications where the potential for impact not exceed 43 mph. Not for use in slow moving operations. Rotating beams require on-site setup on arrival and departure to deploy jack stands, stabilize and rotate. Many moving parts. 20-30' work area, 3' high, 42-52' OAL. No lights, power, signage or storage. Cannot carry loads. Internally tested to reported TL-2 levels under NCHRP 350. Not independently tested. No FHWA acceptance/eligibility letter. Only a few made. Limited use in California. Not used outside of California. Not commercially available. 2 Patents.

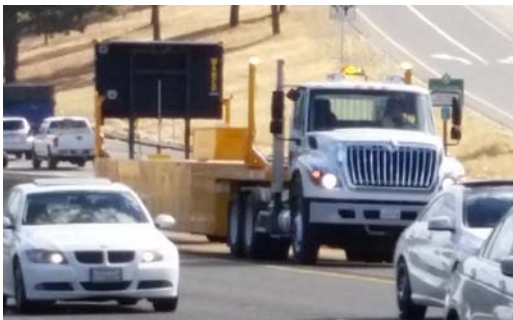


**Mobile Barriers MBT-1 (c 2008)** Can be used for stationary or slow moving operations. Speed appropriate for interstate use. No on-site setup. Simply drive in place and work. Virtually no moving parts. 20-80' work area, 5' high, 42-102' OAL. Lights, power, signage and storage. Carries loads in and on decks. Independently tested to TL-3 levels under both NCHRP 350 and the new MASH standards. FHWA acceptance/eligibility letter. Deployed internationally. Recipient of numerous accolades and awards. Some have been hit multiple times, even by semis, and still in service. Commercially available for sale, lease or rent. Various accessories available. Special versions for security/defense and international markets. 20+ Patents.





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**Mobile Barriers MBT-1** in use on I-70 near Denver, Colorado (above), and I-80 near Sacramento, California (left).

### Mobile Barriers MBT-1

- [Minimizing Disruption & Delay – EON, June 2015](#)
- [Caltrans deploys Mobile Barriers MBT-1 – Road Traffic, Dec 2014](#)
- [Highly Mobile Integrated Protection for Short Term Work Zones – Modern Contractor , Nov 2014](#)
- [Keeping Workers Safe & Traffic Moving in the Lone Star State – Modern Contractor , July 2014](#)
- [Big Barriers Boosting Road Work Safety – Fleet Owner, July 2014](#)
- [Navigating the 495 Express Lanes – Modern Contractor 2013](#)
- [DIY \(drive it yourself\) Barricade – Better Roads 2011](#)
- [Mobile Barriers Protect Workers \(NTTA 2011\)](#)
- For more, see [www.mobilebarriers.com](http://www.mobilebarriers.com)

*For more on the developmental progression of “Highly Mobile Barriers” prior to the introduction of Mobile Barriers MBT-1, see Texas Transportation Institute, “Development of Functional Requirements for a Highly-Mobile Barrier System to Protect Highway Workers” Interim and Final Reports, Sponsored by FHWA (May & June 2004)*