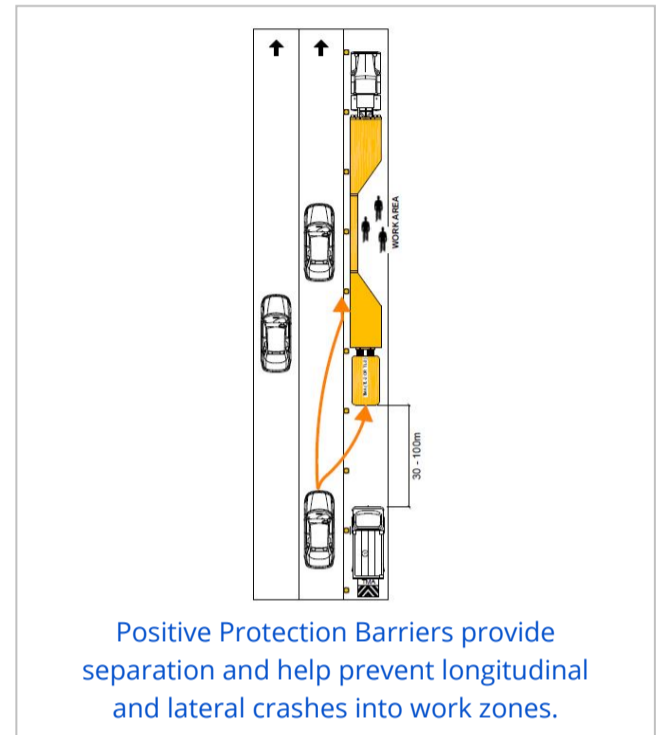


What is Positive Protection?

Positive Protection are measures “between workers and motorized traffic” which “contain and/or redirect vehicles” and meet applicable [crashworthiness criteria](#). ^{1, 2}

Positive Protection may include highly mobile barrier, movable and temporary steel barrier, movable concrete barrier, traditional concrete barrier, associated cushions, and other strategies to avoid traffic accidents in work zones including full road closure. ³

Mobile and other movable barriers enable field crews to quickly create work spaces that are physically separated from moving traffic and quickly removed from the roadway once the work is completed.



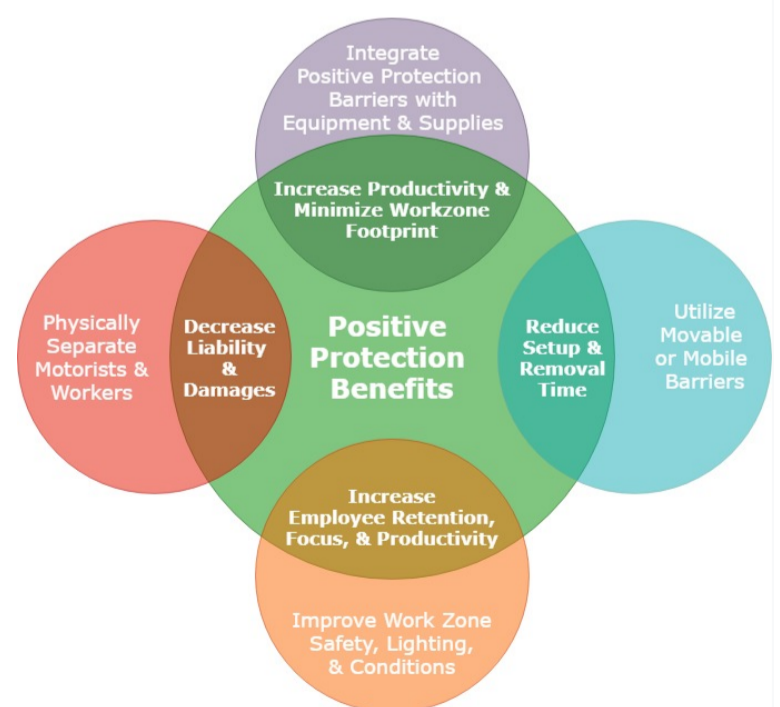
Commonly Cited Benefits

The rising number of accidents, injuries, and fatalities highlight the need for positive protection. In a 2019 survey, 67% of highway contractors reported crashes into their work zones and 89% think [positive protection](#) would improve safety on their projects. ⁴

New types of Positive Protection Barriers have made work zone safety practical and cost-effective. California research found a cost benefit for highly mobile barrier of \$1.9 million per year, per barrier. ¹⁴

Benefits vary by product and application. Commonly cited benefits of using Positive Protection include:

- Safeguarding Workers Against Intrusions
- Reducing Project Duration & Cost
- Maximizing Roadway Capacity
- Increasing Productivity with Onboard Tools and Supplies
- Increasing Efficiency/Saving Time
- Increasing Employee Retention
- Decreasing Liability and Damages
- Reducing Risk and Exposure to Dangers of Live Work Zone



Footnotes

¹ [Temporary Traffic Control Devices, 23 U.S.C. § 112\(g\).](#)

² [Definitions, Subpart K - Temporary Traffic Control Devices, 23 C.F.R. § 630.1104.](#)

³ [Positive Protection Measures Defined, 23 U.S.C. 112\(g\)\(4\).](#)

⁴ [2019 Associated General Contractors of America \(AGC\) Highway Workzone Safety Study.](#)

⁵ [2018 Associated General Contractors of America \(AGC\) Highway Workzone Safety Study.](#)

⁶ [2017 Associated General Contractors of America \(AGC\) Highway Workzone Safety Study.](#)

⁷ [2016 Associated General Contractors of America \(AGC\) Highway Workzone Safety Study.](#)

⁸ Estimated Total Crashes & Injuries Data: 2013-2015 data from NHTSA National Automotive Sampling General Estimates System (NASS/GES). NHTSA retired NASS/GES at the end of 2015. 2016-2017 data from NHTSA's replacement Crash Report Sampling System (CRSS).

⁹ Fatalities Data: NHTSA Fatality Analysis Reporting System (FARS) Encyclopedia. 2018 is the last year with available data.

¹⁰ [Positive Protection Devices, Subpart K - Temporary Traffic Control Devices, 23 C.F.R. § 630.1108\(a\)\(1-5\).](#)

¹¹ [Payment for Traffic Control, Subpart K - Temporary Traffic Control Devices, 23 C.F.R. § 630.1108\(f\)\(2\).](#)

¹² ["Portable Positive Protection: A Guide for Short Duration and Short Term Work Zones", Updated by Mobile Barriers LLC, Based on Material Developed by ATSSA for the FHWA Work Zone Safety Grant Program \(June 2016\).](#)

¹³ [U.S. Department of Transportation, "Guidance on Treatment of the Economic Value of a Statistical Life in U.S. Department of Transportation Analyses - 2016 Adjustment," \(August 8, 2016\).](#)

¹⁴ UC Davis/AHMCT, "A Risk Assessment and Cost Benefit Analysis for [Highly Mobile Barriers]," Technical Report Number UCD-ARR-08-09-30-01, (2008). Ibid, Attachment 3.

¹⁵ Mobile Barriers LLC internal crash analysis for Washington D.C. located highly mobile barrier.

¹⁶ Former Deputy Executive Director of the Texas Department of Transportation (TxDOT).

¹⁷ [2013 Associated General Contractors of America \(AGC\) Highway Workzone Safety Study.](#)

¹⁸ [2014 Associated General Contractors of America \(AGC\) Highway Workzone Safety Study.](#)

¹⁹ [2015 Associated General Contractors of America \(AGC\) Highway Workzone Safety Study.](#)

Work Zone Barriers

[Defining Positive Protection](#)

[Examples & Types of Positive Protection](#)

[Benefits of Positive Protection](#)

Work Zone Crash Data

[Contractor Reported Crashes & Outcomes](#)

[Workzone Total Crashes & Injuries](#)

[Work Zone Crash Fatalities](#)

[Work Zone Pedestrian Fatalities](#)

Implementation

[When are Positive Protection Barriers Appropriate?](#)

[What Federal Funding is Available for Positive Protection Barriers?](#)

[How Can Contractors Obtain & Use Positive Protection Barriers?](#)

[FHWA Repeals Proprietary Product Rule](#)

© 2020-2021 Work Zone Barriers. All rights reserved. This site is for general informational purposes only. All company, product and trade names, trademarks, logos and other third party content are property of their respective owners. References to the same are for identification purposes only and do not imply endorsement. Contact the applicable manufacturer for more information. [Privacy](#)