

The logo for Addison, featuring the word "ADDISON" in a bold, blue, sans-serif font centered within a white circle. The circle is set against a blue background that is part of a larger graphic design on the right side of the slide, which includes a white diagonal line and a grey triangle.

MVB3X Modular Vehicle Barriers Rental & Purchase

March 24, 2026

Rebecca P. Diviney, P.E., Director of Public Works &
Engineering

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Staff used Meridian Barriers at Taste Addison, Kaboom Town!, and Oktoberfest for the 2025 special event season.



Staff evaluated new technology being used by surrounding municipalities.



Staff held multiple educational opportunities for Police, Fire, Parks, Public Works & Engineering and Special Events.



Staff attended a “hands-on” demonstration held at the Service Center.

MVB3X Modular Vehicle Barrier System

ADDISON

US Department of Homeland Security SAFETY Act Designated.

Barrier system must be tested and certified to ASTM-F2656-15, PAS 68 & IWA standards.

Lightweight and portable - MVB3X unit is 53 pounds per unit.

Adaptable to any street width – units easily connect to close any street or act as an active gate.

Rapid deployment - one person assembly and dismantle – open or close a street in seconds

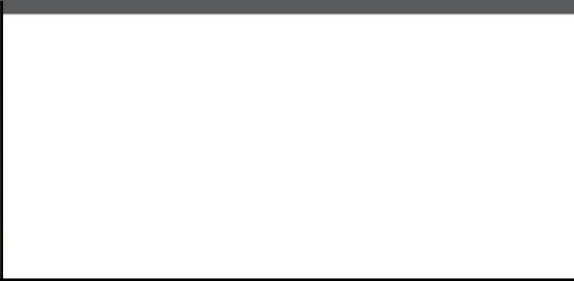
No tools required and zero maintenance needed.

Custom trailer options for storage and transportation of up to 10 lanes.

Stopping power – tested and certified to stop a 16,500-pound truck.

MVB3X Modular Vehicle Barrier System

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Banners for public information

MVB3X Modular Vehicle Barrier System



MVB3X Modular Vehicle Barrier System



[MVB3X Crash Test](#) – **ASTM F2656-16**: 5,500-pound vehicle at 30mph with 31.8 feet of vehicle penetration.

Use of Barriers in DFW

- Richardson Police Department – 72-unit trailer package
- Mansfield Police Department – 72-unit trailer package
- Irving Police Department – (2x) 72-unit trailer packages
- McKinney Office of Emergency Management – 72-unit trailer package
- Trophy Club Police Department – 60-unit trailer package
- Dallas Police Department Tactical Section – (2x) 60-unit trailer packages
- City of Rowlett – 24 barriers (3 lanes barriers only)
- City of Grand Prairie – 54-unit trailer package (older trailer style)
- Southern Methodist University Police Department – 20-unit trailer package
- Trinity River Authority (Arlington) – 20 barriers

Purchase with Justice Assistance Grant

Individual Trailer System Inventory

Description	Quantity	Extended Price	Quantity
Trailer with capacity for 72 MVB3X Units and accessories	1	Magnetic Sequential Lighting (10 pack)	2
MVB3X Units	24	Fixed Slide Wheels	2
Pivot Units	16	Rotating Slide Wheels	6
Large Storage Shipping Box	2	Banner - Single Lane	0

MVB3X 72-Unit Capacity Partial Trailer

System Number	Description	Unit Price	Quantity	Extended
AST3X-24/72-160206-20	72 MVB3X Capacity Partial Trailer System	\$99,934	1	\$99,934
Freight	F.O.B. Destination	Included	1	Included
AST Services	Equipment Training	Included	1	Included
			Total	\$99,934

EVENT RENTAL PRICING

Event	Kaboom Town (July 3 rd)
MVB3X Rental Rate Per 12' Lane – <i>Multi Event Discount</i>	\$995
Number of 12' Lanes Required	40
Barrier Rental Subtotal	\$39,800
Roundtrip Transportation	\$11,000
One-Time On-Site Training	Included
Total	\$50,800

Event	Oktoberfest
MVB3X Rental Rate Per 12' Lane – <i>Multi Event Discount</i>	\$995
Number of 12' Lanes Required	30
Barrier Rental Subtotal	\$29,850
Roundtrip Transportation	\$11,000
One-Time On-Site Training	N/A
Total	\$40,850

Recommendation: Staff recommends Council approval of a contract for the purchase of MVB3X vehicle barriers using the Justice Assistance Grant and a contract for the rental of MVB3X vehicle barriers via the Hotel Fund.

Next Steps

- Staff to work with DFW partners to consider a process to share barriers with each other.
- Staff to review additional purchase of barriers during the FY27 budget process.

Questions