



Bringing Advanced Technologies to the Security World

19 June 2026

Mr. Chris Drey
ROMEIOVILLE DEPARTMENT OF PUBLIC WORKS
615 Anderson Drive
Romeoville, Illinois 60466

Tel: 815-378-4061
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**REFERENCE: MVB3X Modular Vehicle Barrier 3X System – 48 MVB 3X Trailer System
NCSA Contract Bid # 26-03-0521R**

Dear Mr. Drey,

Thank you very much for your continued interest in the MVB 3X Modular Vehicle Barrier System. Please find specifications and the pricing you requested enclosed for your review. Please review the terms and conditions in Section E of this proposal to assure compliance with the NCSA purchase order requirements.



A. Performance Based Specifications:

1. Must be US Department of Homeland Security Safety Act Designated
2. Barrier System must be certified to ASTM-F2656-15.
3. Barriers System must be certified to ASTM/PAS 68 & IWA standards.
4. Barrier System must be modular and adaptable to any road width.
5. Multiple traffic lanes of continuous coverage must be able to be assembled without the use of cables or ball/hitch connections. Cables cannot be used in a modular vehicle barrier perimeter.
6. Three points of connection via metal structure and pins are REQUIRED to connect the barriers to each other to ensure continuity in the barrier integrity and stopping capability.
7. The Barriers MUST be Safety Yellow in color for maximum visibility
8. Open and close a lane in less than ten seconds
9. One person to assemble, deploy and dismantle
10. Quick perimeter access in case of an emergency
11. No tools required for assembly
12. Zero maintenance

13. Individual Barrier Units must fold for easy carrying and storage
14. The vehicle barrier must have an open structure design, with no solid metal/bullet resistant piece being more than 18" in width, as to not provide an active shooter cover and concealment.
15. The system must have an open structure design to minimize risk of ricochet or spall to personnel in the vicinity in an active shooter event.
16. Barriers cannot inhibit visibility of personnel to see adults and children who may be on either side of the barriers, therefore no barrier component may be 4 square ft.
17. Individual barrier units must fold for easy carrying and storage

B. Modular Vehicle Barrier Product Specifications:

1. Barrier Units must be able to be deployed in increments of 2 feet or less to ensure it will fit any size roadway.
2. Each complete MVB3X unit must weigh less than 53 lbs.
3. Each unit dimensions: L~46.5", W~21", H~32".
4. Tools shall not be required. System is to be assembled with pins.
5. Barriers must have the ability to be folded for transportation.
6. MVB3X units must have the option to pivot and transition into an operational gate.
7. MVB3X units must have the option of slide wheels for lateral movement.
8. Barriers must be capable of quick deployment (less than a minute to deploy a single unit).
9. Barriers must be able to be deployed by one person.
10. Bottom edges of the barriers must be protected by aluminum covers (for pedestrian safety).
11. Barrier System shall have the ability to be deployed from the road and up to sidewalk in one continuous line.
12. MVB3X units shall have multi-terrain capability.
13. MVB3X units shall not require any maintenance.
14. Magnetic sequential lights shall attach to MVB3X units.

C. MVB3X Transport Trailer Specifications:

1. The Trailer shall be made in the United States and comply with U.S. DOT regulations.
2. The Trailer must be New/Unused.
3. Trailer must be an enclosed design.
4. Trailer to include drip rails.
5. Trailer can hold up to 48 MVB3X units + Pivots.
6. 48 Unit Trailer will have 4 doors on each side
7. 48 Unit Trailer shall be 16 feet long.
8. Trailer shall be 101.5" wide.
9. 48 Unit Trailer shall be tandem axel.
10. 10,000 lb. hauling capacity.
11. Electric brakes.
12. LED lighting.
13. 15,000 pound safety chain.
14. Trailer will come equipped with a 2 5/16" hitch.
15. Spare wheel + Tire ST225/75/R12 (6 Lug).
16. All containment steel shall be powder coated.
17. MVB3X barriers can be loaded/stored from both sides.
18. Each MVB3X unit has its own dedicated slot for safe transport.

19. Each MVB3X is locked in place for transport with secondary retainment system.
20. Unit shall have Stainless Steel latches & hinges.
21. Zinc coated steel rivets.
22. Zinc coated nuts & bolts.
23. Dedicated space for pivot units.
24. Each door has locks for safe storage. All keyed alike.
25. Single storage compartment shall be provided on the trailer. Each compartment shall be 24" tall x 35" deep x 96" wide. Compartment shall have dedicated slots for the pivot units.
26. Trailer shall be black in color.

D. Pricing Information

48 X MVB3X Unit Trailer – Provides approximately 6 Lanes of Closure per Trailer

System Number	Description	Unit Price	Quantity	Extended
AST3X-48/48-240206-20	48 MVB3X Capacity Trailer System	\$137,215	1	\$137,215
Freight	F.O.B. Destination	Included	1	Included
AST Services	On-Site Equipment Training	Included	1	Included
			Total	\$137,215

Individual Trailer System Inventory

Description	Quantity	Description	Quantity
Trailer with capacity for 48 MVB3X Units and accessories	1	Fixed Slide Wheels	2
MVB3X Units	48	Rotating Slide Wheels	6
Pivot Units	24	Block Sets of Sequential Lighting (Total of 20 Magnetic Lights)	2
Large Storage Shipping Box	3	Banner - Single Lane	0



48 MVB 3X Capacity Trailer with Four Compartments per Side

Note:

1. Pivot systems are only required for the purpose of using a section of MVB3X Units as an operational gate. MVB3X Sections not designated as operational gates do not require the use of

pivot systems. The number of pivot systems can be modified based upon your specific operational requirements.

2. Slide wheels are used for the purposes of moving assembled sections of MVB3X laterally throughout an area of operation without requiring the end user to disassemble and reassemble the section.
3. The inventory quoted can be further adjusted to meet your specific operational requirements.

E. Terms & Conditions:

1. F.O.B – Destination. Shipping has been included in the above price.
2. Taxes are not included. Any taxes levied will be paid for by the purchaser.
3. Delivery: 8 weeks to 10 weeks ARO.
4. Payment terms – Net 30 days.
5. Prices are valid for 90 days.
6. Purchase of equipment is subject to the terms of the North Carolina Sheriff's Association contract, Bid **26-03-0521R**. Please note **Bid 26-03-0521R** on all purchasing documents.
7. Please provide a copy of your purchase order to rlofland@adsectec.com as well as Anna Martin with the North Carolina Sheriff's Association at amartin@ncsheriffs.net
8. Purchase of equipment is subject to Advanced Security Technologies LLC standard terms and conditions.

Please feel free to contact me should you require additional information.

Sincerely,



Randall D. Lofland

Vice President – Direct Sales

Advanced Security Technologies LLC

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