



Bringing Advanced Technologies to the Security World

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REFERENCE: BID 25-01-0524
72-Unit Fully Loaded Trailer Package (System Number: AST3X-72/72-400206)

Captain Grove,

Thank you very much for your interest in the SAFETY Act Designated MVB3X Modular Vehicle Barrier System. We are pleased to provide the specifications and pricing information related to the trailer system below. We sincerely appreciate your agency's positive interest in utilizing our certified system in protecting your events.



A. Mandatory Performance Based Specifications:

1. Must be US Department of Homeland Security Safety Act Designated
2. Barrier System must be certified to ASTM-F2656-15, PAS 68 and IWA standards.
3. Barrier System must be modular and adaptable to any road width.
4. Multiple traffic lanes of continuous coverage must be able to be assembled without the use of cables or ball/hitch connections. Cables shall not be used in the modular vehicle barrier system.
5. 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.
6. The Barriers MUST be Safety Yellow in color for maximum visibility
7. A continuous section of barriers can create an operational gate to meet any road width, which shall be assembled and moved in one continuous line.
8. Gates may not be created with ropes, chains, or arrestor cable.

9. Open and close one lane by a single person in less than ten seconds
10. Multiple connected lanes of barriers can be moved at once.
11. One person to assemble, deploy and dismantle
12. Quick perimeter access in case of an emergency
13. 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.
14. 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.
15. 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.
16. Individual barrier units must fold for easy carrying and storage
17. No tools required for assembly
18. Zero maintenance

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 72-Unit Transport Trailer Specifications:

1. Trailer must be enclosed and MUST have a hardcover roof for long term protection.
2. Trailer to include drip rails. The Trailer shall be made in the United States and comply with U.S. DOT regulations.
3. The Trailer must be New/Unused.
4. Trailer can hold up to 72 MVB3X units + Pivots.
5. Trailer must have storage and transport capacity of up to (10) lanes of barriers.

6. 72-unit Trailer will have 6 doors on each side
7. 72-unit Trailer shall not be longer than 16 feet.
8. Trailer shall be 101.5" wide.
9. 72 Unit Trailer shall be tandem axle.
10. 14,000 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, nuts & bolts.
22. Dedicated space for pivot units.
23. Each door has locks for safe storage. All keyed alike.
24. Single storage compartment shall be provided on the trailer. Each compartment shall be 24" tall x 35" deep x 96" wide.
25. Trailer shall be black in color.

D. Pricing Information.

System Number	Description	Unit Price	Quantity	Extended
AST3X72/72-400206-40	72 MVB3X Capacity Fully Loaded Trailer System	\$185,040	1	\$185,040
Freight	F.O.B. Destination	Included	1	Included
AST Services	On-site Equipment Training (Fee Waived)	Included	1	Included
			Total	\$185,040

Individual Trailer System Inventory

Description	Quantity	Description	Quantity
Trailer with capacity for 72 MVB3X Units and accessories	1	Set of 10 Sequential Rechargeable Magnetic Lights	0
MVB3X Units	72	Fixed Slide Wheels	2
Pivot Units	40	Rotating Slide Wheels	6
Large Storage Shipping Box	4	Banner - Single Lane	0



72 MVB3X Capacity Trailer with six compartments per side

E. Notes:

1. Pivot units 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 units.
2. The number of MVB3X Barriers, pivots, magnetic sequential lighting, banners and slide wheels can be modified based upon your specific operational or budgetary requirements.
3. 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 re-assemble the section.

F. Terms & Conditions:

1. F.O.B – Destination. Shipping has been included in the above price.
2. Taxes are not included. Should any taxes are levied they will be paid for by the purchaser.
3. Delivery: 8-10 weeks ARO – depending on material availability.
4. Payment terms – TBD
5. Prices are valid for 90 days.
6. Purchase of equipment is subject to Advanced Security Technologies LLC standard terms and conditions.

Please do not hesitate to contact me should you require any additional information.

Sincerely,

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