



LASSEN COUNTY SHERIFF'S OFFICE

1415 Sheriff Cady Lane Susanville, CA 96130

Administration	Dispatch	Civil	Adult Detention Facility
Phone (530) 251-8013 Fax (530) 251-2884	Phone (530) 257-6121 Fax (530) 257-9363	Phone (530) 251-8014 Fax (530) 251-2884	Phone (530) 251-5245 Fax (530) 251-5243

John McGarva
Sheriff - Coroner

To: The Lassen County Board of Supervisors

From: Mike Carney; Captain

Date: 2/12/26

Agenda Date: 2/24/26

Subject:

To provide the Board of Supervisors with purchase request of a Lenco BearCat armored rescue vehicle, including operational considerations and financial impacts.

Discussion:

The Sheriff's Office currently maintains one MRAP vehicle. The MRAP vehicle is a Mine Resistant Ambush Protected Vehicle that the Sheriff's Office acquired for the Military 10-33 program. MRAPs were originally designed for military use to provide high levels of ballistic and blast protection. While the MRAP offers substantial protection during high-threat incidents, it is a large, heavy platform that presents operational and logistical limitations for routine law enforcement deployment.

The BearCat armored vehicle is purpose-built for law enforcement tactical and rescue operations. It is commonly built on a commercial heavy-duty truck chassis and designed for rapid deployment in urban, rural, and highway environments.

Operational Comparison

MRAP – Advantages

- High ballistic and blast protection.
- Suitable for rare, extreme high-threat incidents.

MRAP – Limitations

- Extremely heavy platform, limiting maneuverability and access in certain areas.
- Higher maintenance complexity and parts procurement challenges.
- Greater logistical burden (storage, transport, specialized servicing).
- Less practical for routine countywide deployment and well as Deputy entrance/exit.



Protecting Our Nation's Defenders™

SOLE SOURCE SPECIFICATIONS

Lenco Industries, Inc.
10 Betnr Industrial Drive
Pittsfield, MA, 01201
E-mail: Contracting@LencoArmor.com
Phone: 413-443-7359

DATE: September 12, 2025

RE: Sole Source Specifications for the Lenco BearCat

Lenco BearCat Key Features, Testing and Certifications

Armor Protection

- Armor Panels constructed of Certified Mil-Spec Steel
- Vertical Armor Panels are .50 inch thick, one-piece solid construction from the front of the vehicle to the rear of the vehicle
- Gunports and all surrounding armor protection, including backup armor, is .50 inch thick.
- Proprietary welding technique utilized in sidewall, floor and roof construction
- Armored hood, radiator protection, fuel tank, exterior lighting armor backup, inner fender armor, door and window pocket armor backup
- Department of the Army, U.S. Army Aberdeen Test Center – Ballistic Certification for armor plate used in every BearCat manufactured
- Independent Third-Party Testing to the following threats / ballistic standards: EN 1063 BR7, NIJ IV, STANAG 4569 Level 2, .50 CAL M2 Multi-Hit, .50 CAL M33 Multi-Hit, DM51x2 Hand Grenades, DM31 Anti-Personnel Mine, M67x2 Hand Grenades, 20mm FSP, V50 (BL) P Ballistic Test

Mobility & Automotive Safety

- 126" – 135" Wheelbase
- Custom-tuned suspension, including shocks, springs, bump stops, front and rear sway bars, track bar and radius arms
- Proprietary OEM Frame-to-Body construction
- Department of the Army, U.S. Army Aberdeen Test Center, Aberdeen Proving Grounds – Automotive Performance Testing to the following standards:
 - Test Operating Procedures (TOP)
 - North Atlantic Treating Organization (NATO) Reference Mobility Model (NRMM)

Designer and Manufacturer of Tactical Armored Security Vehicles

10 Betnr Industrial Drive · Pittsfield, MA 01201 · Tel (413) 443-7359 · Fax (413) 445-7865
www.LencoArmor.com · e-mail: Info@LencoArmor.com

- NATO Allied Vehicle Testing Publication (AVTP)
- Society of Automotive Engineers (SAE)
- Human Factors Integration - Safety Assessment Review (SAR)
 - Fort Knox, KY
 - Fort Belvoir, VA
- National Highway Transportation Safety Administration (NHTSA), Office of Vehicle Safety Compliance (OVSC), Federal Motor Vehicle Safety Standards (FMVSS) Compliance Testing
 - Center of Gravity Test
 - FMVSS 105 – Hydraulic Brake Test
 - FMVSS 206 – Door Locks and Door Retention Test
 - FMVSS 207 – Seating Systems
 - FMVSS 210 – Seat Belt Anchorages
 - FMVSS 302 – Flammability of Interior Components
- National Tactical Officers Association (NTOA), Member Tested and Recommended Certification
 - 2003 Certification
 - 2020 Re-Certification
- U.S. Air Force Air Transportability Test Loading Activity (ATTLA) – Air Transportation Certification
 - Lockheed C-5 Galaxy
 - Boeing C-17 Globemaster III
 - Lockheed C-130 Hercules

Tactical Features

- Patented, zero gravity counter balanced & rotating roof hatch system
- Height-adjustable gunner stand with removable / serviceable design - *US Patent No. 11,561,060 B1*, granted to Lenco on 01/24/2023
- Automatic Door Lock-Out (side doors) with single tap release
- Welded Running Boards rated to hold 3,000 lbs. at each side & 2,500 lbs. on rear
- Occupant situational awareness
- 390 square feet of interior space
- 2-Piece Bumper-integrated hydraulic entry bars with attachments for Audio / Video, Chemical Deployment, and Water Deployment
- Roof Mounted Water Nozzle with internal joystick controls
- Bumper Mounted Water Nozzle with internal joystick controls
- Vehicle-Integrated On-Board SCBA System
- Tactical EMS interior layout, workstation, medical cabinet, oxygen storage and trauma lighting
- 68 Gallon Single Fuel Cell
- 40" Water Fording Package with Independent 3rd Party Testing

Service, Reliability & Interoperability

- Commercial Chassis common to government fleet
- Commercial Chassis Warranty and Service history at nearly 160+ Authorized Ford Service Centers across the United States

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- Ford OEM Warranty
- 3 Year Lenco Warranty
- Operational and Support Cost: Average cost of \$558 USD per 10,000 miles of operation
- Reliability, Availability and Maintainability (RAM): 24,906 mean miles between repair, 1.3 hours mean time to repair and 98% operational readiness
- Interoperability with hundreds of federal, state and local law enforcement agencies across the United States; reduces training cost and limits response time in joint operations
- Lenco Refurbishment Program – (4) individual ‘Schedules’ of refurbishment work that address Ford chassis components, Lenco components, paint and upgrades.
- Lenco Trade-In Program – End-of-Life vehicles can be traded-in to Lenco for value against the acquisition of a new or used model vehicle.

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