



**COUNTY OF LAKE**

**Administrative Office**  
Purchasing Division  
255 North Forbes St.  
Lakeport, CA 95453  
Telephone (707) 263-2214  
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**Jeff Rein**  
Purchasing Agent

**INVITATION FOR BID NO.  
ONE NEW 2010 22-24' Deep Vee bottom, aluminum patrol/rescue boat**

Date: February 12, 2010

Page 1 of 13

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Sealed bids, subject to the terms and conditions set forth herein, will be received by the Purchasing Division, located on the first floor of the County Courthouse, Room No. 113, at 255 North Forbes Street, Lakeport, California until \_\_\_\_\_, \_\_\_\_\_, at which time they will be publicly opened. The Purchasing Office hours are Monday through Friday, 8:00 a.m. to 12:00 Noon and 1:00 p.m. to 5:00 p.m. The office is closed daily from 12:00 Noon to 1:00 PM.

For further information contact: Dennis Ostini at 707-279-1591

The County of Lake invites sealed bids for One New 2010 22-24' Deep Vee bottom, aluminum patrol/rescue boat for the Lake County Sheriff's Department/Marine Patrol division.

Conditions of Bid Award:

**Board of Supervisors reserves the right to accept or reject any or all of the items bid and waive any minor irregularities.**

The bid shall be awarded to the lowest responsible, responsive bidder.

Special Instructions, General Specifications, Standard Terms and Conditions and Bid Compliance:  
See Pages 2 - 3.

Specifications: See Pages 4-12

Bid and Bid Award: See Page 13

**ONE NEW 2010 22-24' Deep Vee bottom, aluminum patrol/rescue boat**

Date: February 12, 2010

Page 2 of 13

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**SPECIAL INSTRUCTIONS**

**LITERATURE:** Literature which fully describes the item(s) on which you are bidding is to be submitted with your bid.

**DELIVERY:** Quotations are to be F.O.B. destination and shall include delivery of vehicles to:

COUNTY OF LAKE – Lake County Sheriff's Department

Kelseyville, CA 95451  
(707) 279-1591

**PRICE PROTECTION:** Bid prices shall be firm for a period of forty-five (45) days following the date of bid opening.

**INSPECTION:** Acceptance of a vessel will be subject to a satisfactory mechanical inspection as determined solely by the County.

**GENERAL SPECIFICATIONS**

All equipment and accessories shall conform to the USCG, NMMA and ABYC regulations, and be certified for use in California.

All equipment catalogued as standard is to be furnished and included in the bid price.

Only new 2010 models which are catalogued by the manufacturer will be considered.

Dealers may submit multiple bids. However, please note that because of the specialized equipment included in these specifications, it is the County's intention to award bid to one dealer.

Dealer is to furnish with the equipment, at the time of delivery, the original Report of Sale, completed Application for Registration of the new vessel and Application for exempt registration naming the State Department of Boating and Waterways as the Legal owner and the County of Lake Sheriff's Department as the Registered Owner.

Dealer Service is not required. Regular manufacturer's warranty shall be furnished.

Bid price is to be exclusive of Federal Excise Taxes.

**INVITATION FOR BID NO.**

## ONE NEW 2010 22-24' Deep Vee bottom, aluminum patrol/rescue boat

Date: February 12, 2010

Page 3 of 13

### **STANDARD TERMS AND CONDITIONS**

**Bid Protest:** Any bidder who desires to object to any matter relating the Bid must submit his objections in writing to the Purchasing Agent within forty-eight (48) hours from the time of the Bid Opening. Oral objections will not be considered.

**Bid Withdrawal:** A bidder may withdraw any bid submitted at any time prior to the hour set for opening of bids. No withdrawal or modification will be permitted after the hour designated for opening of bids.

The County reserves the right to accept or reject any or all of the items bid and to award the bid based upon the price configuration which in the sole judgment of the County, best serves the interests of the County.

Each bidder, by submitting a bid, certifies that it is not a part to a collusive action to fix prices. Violation thereof shall render void any such bid.

Written bid amounts shall govern in cases of discrepancy between the amounts stated in writing and the amounts stated in figures. In case of discrepancy between the total of unit prices and grand total, unit prices will prevail.

Submittal and receipt of bids does not obligate the County of Lake in any way. The County is not liable for any costs incurred by the bidders in the preparation, presentation or in any other aspect of the bid and/or evaluation effort.

### **BID COMPLIANCE**

1. Failure on the part of the BIDDER to comply with all the requirements and conditions of the Invitation for Bid and these specifications may subject his bid to rejection. No exceptions to or deviations from these specifications will be considered unless each exception or deviation is specifically stated by the BIDDER as an exception with a detailed statement completely defining the exception and/or exceptions.

2. **Form of Bid:** Each bid must be submitted on the attached "BID Form" in an (*sealed*) envelope with bid the number and bidders name address, telephone number and contact individual, printed on the outside.

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**SPECIFICATIONS  
INVITATION FOR BID NO.**

**ONE NEW 2010 22-24' Deep Vee bottom, aluminum patrol/rescue boat**

**See insert**

Date: February 12, 2010

Page 13 of 13

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**BID**

Total Bid for One (1) New 2010  
ONE NEW 2010 22-24' Deep Vee bottom,  
aluminum patrol/rescue boat

2

COMPLETE Inclusive of 8.25% Sales Tax  
in Words:

\_\_\_\_\_

\_\_\_\_\_  
F.O.B. Kelseyville, California

Firm: \_\_\_\_\_

\_\_\_\_\_

Federal Taxpayer I.D. No.: \_\_\_\_\_

Year/Make: \_\_\_\_\_

Model: \_\_\_\_\_

\_\_\_\_\_  
(Signature of Bidder)

Title: \_\_\_\_\_

Date of Bid: \_\_\_\_\_

Delivery Date: \_\_\_\_\_

Telephone No.: \_\_\_\_\_

FAX No: \_\_\_\_\_

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**BID AWARD**

**ACCEPTED:**

\_\_\_\_\_  
Chair, Board of Supervisors

**ATTEST:** Kelly F. Cox  
Clerk of the Board

Amount: \_\_\_\_\_

Date: \_\_\_\_\_

\_\_\_\_\_

**LAKE COUNTY SHERIFF'S DEPARTMENT  
SPECIFICATIONS FOR  
SHERIFF'S PATROL BOAT AND TRAILER**

**GENERAL DESCRIPTION:**

Marine aluminum patrol/rescue boat.

Length: 22-24 feet.

Deep-vee bottom

8.1 Liter, 375 h.p. Mercury Marine gasoline engine or equivalent.

Mercury Bravo III stern drive, with dual counter-rotating props (stainless steel) or equivalent.

Dual console with steering, helm and all controls on starboard side.

**GENERAL USAGE:**

Boating safety, law enforcement lake patrol, search and rescue. The hull construction must be strong and be of commercial value. The vessel should be well balanced when occupied/operated by a single person and must also allow proper balance and stability for the retrieval of persons from the water. Vessel should perform with a minimum of destructive wake while operating at safe speeds in confined areas. Vessels should be capable of maneuvering in four (4) foot waves, with 15 (fifteen) foot swells between crests. The boat and trailer configuration balance and construction should allow stability, maneuverability, and durability on the waterways to be patrolled for the patrol purposes intended.

**VENDOR SPECIFICATIONS:**

Quotes must include all costs of the finished vessels, including labor, materials, all applicable taxes, delivery, and all other costs for a completely operational vessel upon receipt.

All work done, when and where governed, must comply with current USCG, NMMA, and ABYC regulations.

All materials and equipment shall be new marine grade and shall meet appropriate Federal and industry standards for material and installation. Owner/Service manual must accompany the vessel upon delivery for any applicable components.

The successful bidder must be a recognized manufacturer of heavy aluminum water craft, who has been in business continuously for a minimum of 24 consecutive months prior to this bid.

The vendor shall list, on a separate sheet, any variations from, or exceptions to, the conditions and specifications of this quote. This sheet shall be labeled "Exceptions to Quote Conditions and Specifications" and will be attached to the quote. It is not the intent of these specifications to restrict a manufacturer's ingenuity in design.

There will be a monetary penalty for each day beyond the set delivery date. This penalty will be discussed and agreed upon between the builder and purchaser at the time of the order.

A representative of Lake County Sheriff's Department will have advanced notice, from manufacturer, of various stages of construction. We request the opportunity to make three (3) on site inspections, by two representatives during the construction period. The primary purpose of the inspections will be to assure compliance with all designs, specifications and installation instructions. Any cost incurred by Lake County Sheriff's personnel will be paid by the Lake County Sheriff's Department.

The manufacturer or vendor awarded this bid, without additional charges, will be expected to spend the proper amount of time necessary to instruct personnel how to operate and maintain this boat, at a location agreed upon by manufacturer and purchaser.

Owner/service manuals for the boat and any applicable components are to accompany the boat upon delivery.

Bidders must note any and all deviations from the specifications in order that the Department may evaluate the equipment being offered.

### **HULL:**

Deep-vee, marine grade heavy duty aluminum, 22-24 feet center-line length. Dead rise of 18 degrees at transom, bow maximum 35 degrees

The hull shall be constructed of marine grade aluminum alloy. .250" bottom thickness, .125" side thickness, and .250" transom thickness.

The front bow area is to have a lower foredeck area, flat with drains port and starboard, forward of the walk-through windshield. There will be an upper deck with storage under the upper deck with a lockable aluminum door.

Bottom should be hard chined with fully welded one piece bottom at planing surface with full transverse stringers no more than 12 inches apart, and multiple longitudinal stringers, no more than 12 inches apart.

The bow keel area to be reinforced to stop abrasion to hull when beaching,

Side height to be 32 inches to 36 inches. Sides and bottom to meet at pointed bow. Top of gunwale approximately 8 inches wide with a beam of 102 inches. Bottom width 84 inches between chines.

All doors and hatch covers to be framed with one inch aluminum alloy channel, full piano hinge and double stops. Hull to be assembled by using a shaped and slotted extrusion between sides and bottom (chine) and sides and top combing. All welds on both sides in hull structure to be continuous and stress free, with no skip weld.

There will be gunwale storage on both sides, port side shall be lockable and water tight. The storage on the starboard side shall be open with a shelf. This gunwale storage will be 7' to 10' long.

There will be a plastic rub rail running from the bow to the transom. The 2"D" rail made of plastic runs from the bow astern to the transom along the gunwale edge and shall be bolted through the hull with stainless steel bolts (300 series or better) and nylon lock nuts. There shall be an additional rail located between the gunwale edge and the chine. This "D" rail shall run from the transom forward approximately 12' X, 2" in size.

There will be a welded bow eye and two stern eyes.

A 3" high heavy duty, schedule 40 aluminum tubing, safety rail will run from the transom area to the rear of the windshield, with an opening on both the port and starboard sides aft of the passenger seats. The rail will continue from the front of the windshield to a proximity near the bow. There is to be an opening

at the extreme bow for access. This safety rail will be welded to the gunwale.

Aluminum diamond plate shall be attached to the flat gunwale at each of the four entry points on the vessel.

A welded and reinforced tow bit on mid aft transom sized to retain maximum dead pull capability of the vessel.

A convex ski type rear view mirror, or equivalent, mounted at the helm for maximum visibility, approximately 4" by 8" securely mounted to the upper frame of the windshield, near helm.

All electrical wire harnesses must run in a conduit, encasing the wiring.

All electrical wire harnesses must be encased in a small appropriate size conduit before inserting into large conduit. All harnesses in the engine compartment will be tied up as high as possible and heat-shielded as required. The instrument panel's electrical harness must be designed with a plug to allow the dash panel to be removed without detaching each wire from each instrument.

All wiring harnesses must meet ABYC and BMMA color code for NMMA certification.

Vessel to meet level flotation requirements.

Polyurethane will be used for standard NMMA certification for basic flotation.

Decking to be sealed marine grade ply board, 3/4" thickness minimum with gray vinyl decking material made by Chrysler Corporation, or equal.

Ten year manufacturer's warranty on hull. Manufacturer shall absorb all transportation costs to and from the factory for warranty repairs.

#### **ENGINE/OUTDRIVE:**

New marine grade 8.1 Liter, 375 HP or approved equal, top mount alternator. Coast Guard approved flame arrester, oil drain extrusion tube. 180 degree thermostat. Cooling system to have closed circulating heat exchanger. Engine to have full manufacturer's warranty. Outdrive to be Mercury Bravo III dual prop (or equal), stainless steel props, and appropriate zinc anodes installed. Provide engine oil filter location suitable for ease of maintenance. Engine to be muffled with "Full Flow" mufflers or approved equal. Alternator rated for anticipated electrical load at idle engine RPM. Unit shall maintain all electrical systems while engine is at idle to simulate patrol operations in fog or low visibility conditions. Engine/outdrive to be equipped with power steering.

Engine compartment to have a 1 inch drain hole to the exterior of the hull.

#### **CONSOLES:**

Port and starboard console to have windshield for operation during winter months, with center portion to be hinged with a walk-through opening to the bow. The glass panes are to be rubber mounted, tinted, safety glass only. Glass to be oversized to avoid implosion from waves. Windshield shall be constructed of safety glass.

Port console will have lockable storage. There will be compartments to accommodate radio equipment. Compartments to have locking, water-tight doors.

A three-way, water proof ignition switch, key operated, will be installed in the dash of the operator's console.

There shall be a circuit breaker installed next to each rocker switch on the control console.

Heater/defroster package with outlets at both consoles and both foot sections.

Minimum 12,500 BTU output, 2 speed fan with controls at the helm.

Two dual red/white non-glare overhead lights in cab. One over each front seat position.

### **STEERING AND CONTROL::**

All steering and controls are to be at the starboard console. Morse 290 (or approved equal), tilt helm, with new soft, deluxe wheel, (Atwood or equal).

### **ELECTRONICS:**

The following items to be supplied by manufacturer:

VHF Mobile Radio, Kenwood Model TK-7160-H or equivalent, including ¼ wave mobile antenna, mount and coaxial cable.

Siren/P.A./Light control, Federal Signal Unitrol Touchmaster, Model UTM4 or equivalent.

Lowrance LGC-3000 external GPS antenna and wiring kit.

The following items to be supplied by the Lake County Sheriff's Department for installation by the boat manufacturer during construction of the boat.

Whelen Model 9M Mini Edge Lightbar, Lowrance Model 522c GPS/Sonar/Radar, Lowrance Model LRA 2000 Radar array and siren/P.A. speaker.

Radio will be mounted at operator's console. Light bar, radar array, siren speaker, GPS antenna and radio antenna to be mounted on radar arch. Controls for lightbar, siren and GPS/Sonar/Radar will be mounted at the operator's console.

### **CANVAS:**

A winter top with (five piece/full closure) backdrop curtain, and two side curtains. The two sides and backdrop are to be removable, utilizing aluminum swivel connectors and stainless steel snaps. Vinyl zippers are to be used where the enclosure/top pieces attach to each other. The length of the top will run from the windshield just aft of the side seat. All canvas will be gray color, heavy duty, marine grade canvas. The canvas will taper to a 6' minimum head clearance at the operator's station and aft section of top. Clear plastic must be used in the design to ensure maximum visibility, all framing and fittings to be rigid all welded aluminum and hard fastened with stainless steel bolts.(Rigid frame)

All canvas to withstand highway towing pressures and adverse weather

### **ENGINE COVER:**

Coffin style with top mount cushion, insulated against engine noise, no more than 90 D.B.L. at the operator's console and 82 D.B.L. at 50 feet. Outside cover carpeted. Attached handle for opening engine cover rearward to the stern of the boat.

**SWIM PLATFORM:**

Swim platform shall be full length and full width and able to accommodate a body bag with tie downs. Aluminum diamond plate affixed to transom with lower rail support on both port and starboard. Swim platform to be as close to the water as possible and still allow the outdrive unit to be raised. There will be a set of steps attached to port side of the platform. There will be two aluminum handles, minimum 12" X 1" welded to the port and starboard side of the transom. Handles to be welded at a diagonal.

**SWIM/DIVE LADDER:**

Removable/Stowable four step swim/dive ladder and corresponding swim platform mounting bracket. Garelick Model #19804:1 ladder or equivalent.

**FUEL TANK:**

Single fuel tank 60 gallon minimum, mounted centerline either on or just aft of the **50** percent line. Tank material is to be marine grade aluminum, baffled, pressure tested and certified. Tank to have dual vented system with Attwood shelf venting cap, or approved equal. All installation and materials to meet minimum Federal specifications.

Easily accessible gas fill inlet in the gunwale,

A heavy duty marine water/fuel separator will be installed.

**BATTERIES:**

Two (2) twelve volt, negative ground, heavy duty RV marine batteries with a minimum of 490 amperes cold cranking power. Group 24 or 27 Interstate or equivalent..

**BATTERY STORAGE:**

Batteries are to be stored in an accessible transom tray in engine compartment in plastic boxes, secured in the center of the transom with a safety lip to prevent sliding forward.

**WINDSHIELD WIPERS:**

Dual heavy-duty windshield wipers with 18 inch blades and full panoramic capabilities. Two speed minimum.

**DOCKING LIGHTS:**

Ray-Line docking lights (two total) with fused switch at dash, or approved equal.

**SPOTLIGHT**

A single Golight Model 2020, remote controlled spotlight, or equivalent, shall be mounted on the starboard side of the radar arch. The control unit shall be mounted on the console at the helm.

**NAVIGATIONAL LIGHTING:**

International rules navigational lighting, marine grade, USCG approved. Folding "all round" light to be installed on the radar arch. Stern light and/or anchor light to be installed on transom above swim platform.

**BATTERY SELECTOR:**

Four position (off-1-both-2) Perko brand dual battery switch, or approved equal. Switch will be easily accessible behind a lockable door in the transom.

**BATTERY CABLE:**

#4 size copper battery cable, both positive lead and ground lead.

**ROCKER SWITCHES:**

All rocker switches used will be euro style heavy duty switches, rated 30 AMP resistive, with lighted indicators for the "on" position. There shall be a circuit breaker installed next to each rocker switch on the control console.

**BILGE PUMP:**

There will be two (2) heavy duty bilge pumps with a minimum of 1275 to 2000 gph each. One will be wired directly to the batteries to afford automatic operation with an automatic system. The second pump switch will be momentary type, Rule brand #39 with auto-float switch, or approved equal.

**BILGE BLOWER:**

Air outlet minimum 135 CFM, dash mounted control switch with light, Attwood model #4201 or approved equal.

**HORN:**

AFI model high pitch, black, 12 volt or approved equivalent.

**DECK CLEATS:**

Seven (7) eight inch deck cleats installed, three port side, three starboard side, and one in the bow.

**THROTTLE AND SHIFT:**

Morse SL-3, side mount, with trim and tilt, and Morse red jacket stainless steel control cables. (or equal)

**VENTS:**

Intake and exhaust ventilation are to be louvered. Black, Atwood model 1488, or approved equivalent.

**GAUGES:**

Faria brand with internal lighting or approved equivalent. Speedometer, tachometer, volt meter, water temperature, hour meter to read to tenths, audible alarm, with red light, on oil pressure and water temperature. The oil pressure gauge shall include an oil temperature gauge with oil pan sending unit. Electrical fuel gauge. Dimmer switch for gauge lighting. All gauges to be on driver's side.

**SEATS:**

Two (2) Bently Mariner suspension seats with arms, or approved equivalent. Marine grade vinyl upholstery. Both seats must swivel. Two (2) 18" x 36 " bench seats with folding backs and storage boxes underneath, installed behind the console seats lengthwise on the port and starboard sides. Storage Boxes shall have marine grade hasps for locking.

**PAINT:**

Hull sides and transom will be painted white between the top of the gunwale rub rail and the bottom of the lower rub rail (approximately 12" high). Logos and markings to be affixed to vessel as instructed.

Sheriff graphics will be supplied by the Lake County Sheriff's Department and shall be affixed to the vessel as instructed by the manufacturer. The graphics "SHERIFF" in 7 inch letters with gold colored, 7 inch wide stripes fore and aft shall appear on each side. The gold 7 inch stripe shall be painted on the hull. A single "SHERIFF" logo, in block letters will be applied on the center of the transom, above the swim platform.

The hull shall not have bottom paint.

**12 VOLT POWER PLUG SOCKETS:**

Four (4) heavy duty 12 volt power plug sockets. One mounted port side near gunwale in rear, one mounted starboard side near gunwale in rear, one mounted on passenger's console, one mounted on operator's console.

**RADAR ARCH/EMERGENCY LIGHT BAR:**

The radar arch shall be 2" schedule 40 tubing. The bottom of the radar arch mounting surface shall be no higher than 2" above the canvas top. The rear support tubes shall have a vertical orientation and be fully gusseted at the base to resist vibration and withstand rough water conditions. There shall be a corresponding mounting base/bracket, to facilitate the mounting of the radar array (antenna) at a location above the light bar at the center of the radar arch. This mounting base/bracket shall have a base connected at the starboard (right) rear for mounting of the all-around light.

**DECK LIGHTS:**

Four (4) interior deck lights to be installed at all four inside corners of the passenger area. Morse brand 22401, or approved equivalent. Deck light switch installed on operator's console.

**TRIM TABS:**

Vessel will be equipped with appropriate size hydraulic trim tabs. Trim tab controls, and position indicators will be mounted at the operators console.

**ACCESSORIES:**

Appropriate size anchor and 100 feet of 1/2 " braided anchor line with 10' galvanized chain leader.

One USCG approved type IV PFD throwable ring, orange in color, 18 to 22 inches with 20 feet of 1/4 inch nylon line, mounted to front of engine cover.

Two mounted fire extinguishers, 5 lbs each, USCG approved, marine grade, accessible from the helm area.

**TRAILER:**

Tandem axle, rectangular tube, welded steel, bunk style trailer to accommodate the size and weight of this vessel, fuel and equipment. Wheel bearings are to be equipped with "bearing buddies" or approved equal. Welded tube bunks with UHMW mounted on contact surface, removable-at-base sideboards to be used to assist in trailering the vessel. Two inch coupler with safety chain, stainless steel disc surge brakes. Fenders to be used as steps with non-skid abrasive on top. Tires to be four-ply radials, sufficient-to accommodate the weight of the boat, fuel and equipment. Serial number to be cold stamped on front of

tongue of trailer. Trailer must meet all applicable California Vehicle Code, Department of Transportation requirements, Federal and S.A.E requirements. Trailer must have folding tongue jack, with wheel and a matching and lockable spare tire placed on tongue.

**GENERAL SPECIFICATIONS:**

All materials and equipment shall be new marine grade and shall meet appropriate federal and industry standards for material and installation.

All fasteners through the hull shall be aluminum or 300 series stainless steel or better.

All sound deadening material shall be fire retardant.

**SPECIAL CONSIDERATION AND EQUIPMENT SPECIFICATIONS:**

It is intended that the manufacturer, when selecting components, materials and design practices for the specified vessel, will use those which are the best available in the industry for type and operation and conditions for which the vessel will be subjected. All components, materials and design practices will be subjected to give maximum performances, service life and safety and do not merely reflect the minimum requirements of this specification.

All compartments shall be lockable and keyed alike.

The manufacturer or vendor awarded this quote, without additional charges, will deliver to where specified.

**DELIVERY DATE:**

Vessel is to be delivered, where specified, within ninety (90) to one hundred and twenty (120) days from date of order.

**TRIALS:**

All performance and sound specifications are to be demonstrated prior to acceptance.

The successful bidder shall make repairs, corrections, or redesigns, as appropriate, at no additional cost, if the boat fails the test. The successful bidder will be responsible for transporting the boat back to the original place of manufacture for any work or modifications needed after trials.

Sea trials will be performed while carrying all the specified equipment and payload which would be-carried on patrol, e.g. full fuel tanks, and the equivalent weight of rescue equipment and personnel.

The performance trials should demonstrate constant, stable, and safe control of the boat through all of its tested operations.

**WARRANTY:**

Engine, full manufacturer's warranty.

Hull, minimum 10 years, material and workmanship. (FOB the factory)

Equipment, manufacturer's warranty or California law.

Vendor is to describe/outline procedure for which warranty work is to be completed, i.e.; state time frame for which work is to be completed, party responsible for transportation costs to and from repair center(s), list repair center(s) authorized to perform warranty work, including manufacturer defects, etc.

As an option manufacturer/vendor may include cost for extended warranty.

**Any changes or substitutions to the specifications shall have prior approval of the Lake County Sheriff's Department.**