

RESOLUTION NO. 2-1988

1989

Offered by Mr. Smith

A RESOLUTION TO AUTHORIZE THE DIRECTOR OF PUBLIC SERVICE TO ADVERTISE AND FOR THE MAYOR AND DIRECTOR OF FINANCE TO ENTER INTO A CONTRACT FOR THE PURCHASE OF A RESCUE VEHICLE AND DECLARING AN EMERGENCY.

Be It Resolved by the Council of the Village of Richfield, Ohio:

Section 1: The Director of Public Service is authorized and directed to advertise for bids for the purchase of one rescue vehicle and the Mayor and Director of Finance are authorized and directed to enter into a contract with the lowest and best bidder for the purchase thereof after advertising according to law.

Section 2: The specifications for the rescue vehicle, now on file in the office of the Director of Public Service, are hereby approved.

Section 3: This Resolution is determined to be an emergency measure necessary for the immediate preservation of the public peace, health, or safety for the reason to provide equipment for which there is a need and provided this Resolution receives the affirmative vote of two-thirds of the members elected or appointed, it shall take effect and be in force from and after its approval by the Mayor; otherwise, it shall take effect and be in force from and after the earliest date provided by law.

Passed:

1/3/89

David W. Howard  
President of Council

Raymond H. Wagner  
Mayor

Attest:

Dated: 1/3/89

Mary L. Hegley  
Clerk of Council

# Richfield Fire Department

Chief: RUSSELL ENGLISH

P.O. BOX 337  
4410 W. STREETSBORO ROAD  
RICHFIELD, OHIO 44286  
216 - 659-9400

## SPECIFICATIONS FOR SQUAD # 3 REMOUNT

### INTENT OF SPECIFICATIONS :

It is the intent of these specifications to cover the furnishing and delivery to the Richfield Fire Dept. of a complete apparatus equipped as hereafter specified. With a view to obtaining the best results and the most acceptable apparatus for service in this Department. These specifications cover only the general requirements as to the type of construction and tests to which the apparatus must conform, together with certain details as to finish, equipment, and appliances with which the successful bidder must conform. Minor details of construction and materials, where not otherwise specified, are left to the discretion of the contractor, who shall be solely responsible for the design and construction of all features. The apparatus shall conform to the requirements of the current NFPA Pamphlet 19 for Motor Fire Apparatus, unless otherwise specified in these specifications, and applicable federal motor regulations.

Bids will only be considered from those companies which have an established reputation in the field of ambulance construction and have been in business for a minimum of 5 years.

Each bidder will furnish satisfactory evidence of his ability to construct the specified apparatus, and shall state the location of the factory where the apparatus will be built. He shall also show that he is able to render prompt service and to furnish replacement parts for said apparatus.

These specifications shall indicate size, type, model, and make of all component parts and equipment. The use of brand names or trade names is for the sole purpose of indicating the quality required. Repair manuals and/or schematics shall be provided for all add on components on the chassis and module.

All materials or equipment not specifically mentioned herein, but are required to render the vehicle completely operational and ready for use and meeting the latest accepted trade standards of design and manufacture for an apparatus of its type and the intent of the specifications, shall be furnished and installed by the successful bidder and be included in the bid price submitted for the vehicle.

**QUALITY AND WORKMANSHIP :**

The design of the apparatus must embody the latest approved apparatus engineering practices, including a 1989 aerodynamic chassis. Construction must be rugged and ample safety factors must be provided to carry loads as specified and to meet on and off road requirements and speed conditions as set forth under "PERFORMANCE..".

**PERFORMANCE TESTS AND REQUIREMENTS :**

A road test will be conducted with the apparatus fully loaded and a continuous run of 10 miles or more under all driving conditions. During this time the apparatus shall show no loss of power or overheating. The transmission, drive shaft(s), rear axle, and engine will run quietly and free of vibrations. The complete vehicle shall also be free of noises or vibrations caused by remounting of the module or equipment.

**FAILURE TO MEET TESTS :**

In the event apparatus fails to meet the test requirements of these specifications on the first trials, second trials may be made by the bidder at the option of the bidder within 15 days, of the first trials. Such trials will be final and conclusive. Failure to comply with these requirements shall be cause for rejection of the apparatus. Failure to comply with changes as the purchaser may consider necessary to conform to any clause of the specifications within 30 days after notice is given to the bidder of such changes shall also be cause fro rejection. Permission to keep or store the apparatus in any Village owned building or its use during above specified period with permission of the bidder shall not constitute acceptance.

**LIABILITY :**

The bidder, if his bid is accepted, shall defend any and all suits and assume liability for the use of any patented process, device or article forming a part of the apparatus or any appliance furnished under the contract.

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## CHASSIS SPECIFICATIONS FOR SQUAD # 3

**WHEELBASE AND CAB AXLE;** 170" W.B. w/dual rear wheels,  
102" cab axle

**GROSS VEHICLE WEIGHT;** 18,000 lbs.

### FRAME;

10" X 3" X 1/4" Straight full channel steel rails  
(50,000 psi). SM9.93, RBM 496,000. Chrome front bumper with  
chrome bumper clearance poles.

### FRONT AXLE;

6,000 lbs. front axle with 6,000 lbs. springs (3" X 50").  
H.D. shock absorbers to be included.  
Oil seals in front hubs.

### REAR AXLE;

15,000 lbs. capacity single reduction with magnetic drain  
plug.  
Rear axle ratio 4.33.  
H.D. rear shock absorbers.

### AIR SUSPENSION;

Trailing arm type suspension. Dual air bag model LD - 383  
with height control valve and dump valve. Air to exhaust  
when rear doors are opened. When rear doors are closed air  
inflates suspension. Must have a switch to override door  
switches so doors can be opened without exhausting air ride.

### BRAKES;

Hydro - Max Splite Brake System with automatic adjustment.  
15" dia. rotor, 3.38 dia. dual piston front hydraulic brakes.  
15" dia. rotor 2.60 dia. dual piston rear hydraulic brake.  
10 X 3 DCM parking brake (Orschein hand lever, floor mounted  
with warning light on dash).

**STEERING;**

20" dia. steering wheel with Ross/Gemmer HFB - 52 power steering. Adjustable steering column and tilt.

**DRIVELINE;**

48 Series drive line, Nylon coated drive shaft.

**ELECTRICAL:**

Two 12 volt 625 cca batteries mounted in a roll out tray under the cab on the drivers side.

Class A double face front directional lights with integral reflectors and marker lights.

Oil pressure and coolant temperature gauge with warning light and buzzer.

Voltmeter and pressure gauge.

12 volt, 165 amp alternator with dual belts.

Dual electronic horns.

Circuit breakers in place of fuses in cab.

Electric tachometer.

Dual long air horns mounted on roof of the cab. (Grover)

Parking lights integral with front turn signal lights.

Halogen headlights.

AM/FM radio with Jensen speakers.

2 Fog lights (Peterson) amber rectangular.

**FRONT END;**

Fiberglass tilting hood and fenders with tilt assist mechanical.

**ENGINE;**

Diesel engine DTA360 Inline 6-cyl. 400 lb.-ft. torque @ 1700 RPM's. Must have wet replaceable cylinder sleeves to simplify rebuilding at time of overhaul. Shall have turbo-charger, jet oil cooled pistons, replaceable intake and exhaust valve seat inserts and guides, and positive valve rotators. Radiator and heater hoses to be silicone.

Engine oil cooler, Viscous fan drive, air cleaner restriction indicator, 8.5 CFM air compressor OEM mounted on engine with air tank and gauge, Bendix AD 2 air drier. To have warning light and buzzer, low engine oil pressure/high water temperature. Engine shutdown to be electric with key, magnetic engine oil drain plug. Engine to have 60 months - 75,000 mi. warranty, 100% parts and labor. Vanner electric throttle to increase or decrease idle automatically.

**TRANSMISSION;**

Allison AT545- 4 speed automatic with transmission oil cooler and oil temperature gauge. To have backup alarm with auto reset when transmission is in reverse.

**FUEL TANK;**

Single 30 US gallon under cab steel tank. Right side mount.

**CAB;**

80" wide cab.  
OEM Blend air heater and air conditioned cab (Factory Installed).  
2 Mirrors satin finish anodized aluminum West Coast 16" x 7" with bolt on convex mirror 8" dia.  
Custom Trim Package in cab (beige).  
Dual exterior grab handles.  
Dome light.  
Seat belt.  
Dispatch Case  
Floor mat Sierra Tan  
Intermittent 2 speed Windshield wipers with washer.  
Tinted glass.  
Drivers and Passenger air ride Durafoam high back seat  
Vinyl Dispatch pouches in doors.  
Windshield trim moulding.  
Hour meter installed in base of drivers seat.  
Arco tachograph electric #1310 - 2, cable #1308 - 2.  
Installed fiberglass sun shade above windshield.

**WHEELS AND TIRES;**

Goodyear Wrangler Rib 8R19.5 10 Ply. tires on front and Goodyear G133 on the rear. Disc front and rear wheels 19.5 x 6.00. Stainless steel axle and nut covers. Polished aluminum disc (2) front (4) rear and (1) steel rim with tire for spare.

**EXHAUST SYSTEM;**

Single horizontal right side mounted, aluminized steel muffler and tail pipe, 4" dia.. To exhaust behind rear wheels with chrome turn down installed.

**KEY FEATURES;**

Main cab made of galvanized steel. One piece door frames and one piece inner and outer door panels assure solid fitting doors, which improve structural strength and seal out weather, dirt, and noise. Convenient tilting hood for ease of servicing. To have drive convenience group and include OEM power windows left and right.

**CAB TO MODULE ACCESS;**

A cab to module walk-through measuring 48" high X 22" wide shall be provided. The door shall be self latching in the open or closed position from the drivers side, fixed tinted viewing window 21" high X 11" wide. A rubber bellows shall be provided for access from cab to module.

Replace rear door hold open sockets.  
Replace curb side hold open complete.  
Install all new door and compartment seals.

Replace all door switches.

Install sequential delay lighting system on emergency lights.

Install (2) 2-bulb 110 VAC/14 V florescent ceiling lights.

Install (2) Whelen SA-450G speaker strobes in grill.

Install (6) Whelen intersectors, 3 each side of hood above fenders.

Rear loading lights to be changed to Whelen Halogen 13 degree angle lights.

Replace 3 entrance door interior covering with ABS plastic and stainless steel on bottom 2 ft. high.

Replace rear bumper.

Replace stop, tail, and turn signal with Wheldon #2010.

Replace all treadbrite and stainless steel on exterior of module body.

Strip and refinish module from highest body molding down.

Fill in old fuel filler holes with aluminum welded flush.

Transfer Horton console to accommodate new chassis.

Replace old 1/4" black stripe with new black 3M Scotchlite stripe.

Bidder to furnish shop manuals for chassis.

Bidder to include inspections to factory after:

- A) Module has been removed.
- B) At time of installation.
- C) Before painting.
- D) At completion.
- E) Expenses to be included in bid price

Install Code 3 9000 XL Light bar on front and rear of module.

Work to be completed in 5 weeks from delivery of chassis.

OPTIONAL; Trade in old chassis.

Richfield has the right to accept or reject trade in.