

HIGHLAND FIRE DEPT. - EMS



Highland Fire-EMS is committed to providing the highest level of care to the communities of Highland, Pierron, St. Jacob, St. Rose and Grantfork. Emergency Medical Services (EMS) responds to Emergency scene calls, Emergency Inter-facility transfers, and Non-emergency transfers to extended care facilities or private residences.



Highland Fire-EMS maintains a fleet of three Advanced Life Support (Paramedic) ambulances, staffing two units 24 hours a day, 7 days a week with the third in reserve. However, an ambulance is just a vehicle full of equipment, and would be incomplete without the personnel who provide the care. Our Service is blessed with Paramedics, Intermediates and Basic EMT's who dedicate their time and considerable talents to serve our community.

J. Brian Wilson, Sr., EMS Chief

In an Emergency call [911](tel:911) immediately, however, for patient transfers consider the treatment/services offered when choosing an ambulance service.

HIGHLAND FIRE DEPT. -

PO Box 218
1122 Broadway
Highland, IL 62249

Emergency: 911
Non Emergency—Dispatch: 618-654-2131
Non Emergency—Fire—EMS: 618-654-5901



Highland Fire-EMS is committed to providing the highest level of care to our patients thru continued training and technical equipment. Following is a brief listing of equipment and clinical adjuncts available to all individuals.

Multiparameter Monitoring

LifePak 12 Monitor/Defibrillator

- **Pulse Oximeter** offers accurate and reliable oxygen saturation monitoring.



- **Noninvasive Blood Pressure (NIBP) Monitoring**, with artifact rejection and automatic measurement modes offers accurate vital monitoring in noisy environments.

- **GE Marquette 12SL™ 12-lead ECG** provides multiple views of the heart and standard interpretation, so treatment decisions may be made with confidence.

● **Vital signs trending** allows for rapid evaluation of changes in patient condition.

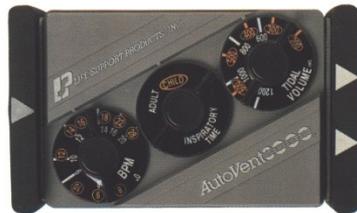
- **End-tidal CO₂ (EtCO₂) Monitor** for both intubated and non-intubated patients, with patented Microstream™, capnography technology and FilterLine™ accessories that operate smoothly even in high humidity.



Transport Ventilator

Maintaining adequate ventilation and pulse oximetry (SpO₂) of critically ill, intubated patients, during extended inter-facility transports, can be a challenge with a bag valve mask (BVM).

Highland Fire—EMS offers a portable transport ventilator in conjunction with constant end-tidal CO₂ (EtCO₂) monitoring to provide effective ventilatory support for these patients.



The LSP AutoVent 3000 is a portable, compact emergency transport ventilator, offering controlled ventilation at rates of 8-28 breaths per minute as well as additional inspiratory time settings, the AutoVent meets most critical emergency care situations and inter-hospital transports.

IV Fluid Warmer



Patients unable to maintain body temperature, as well as environmental emergencies may require active warming. An IV Warmer assures accurate warming of IV solutions, and maintains a normal body temperature infusion for rapid interventions of shock, burn patients, pediatric emergencies, and geriatric care.

Controlled to a temperature range of 36 to 38 degrees Celsius (99 to 101 degrees F) the IV Warmer delivers a thermal normal IV solution consistently. This helps to reduce the risk of induced or secondary hypothermia while providing greater patient comfort.

Advanced Patient Compartment

Highland Fire-EMS has newer ambulances offering superior illumination, automated climate control, and even a stereo radio to help patients relax on stressful long inter-facility transports.



Global Positioning

Serious traumatic injury, whether resulting from a motor vehicle crash, burns or a fall from heights, may require services only available at Level 1 Trauma Centers in the St. Louis Metro area. When seconds count, Highland Fire-EMS has Global Positioning (GPS) equipment available to direct ARCH Air Medical to your exact location, eliminating lost time from air crews working from street maps or visual landmarks.





Auto Pulse CPR board:

Auto Pulse is an easy-to-use, completely portable system that provides consistent, automated chest compressions during cardiopulmonary resuscitation (CPR). Studies have shown that the Auto Pulse produces pre-arrest levels of blood flow to the heart and brain and a 33% better coronary perfusion pressure (CPP) than manual CPR. Manual chest compressions during CPR provide only one third of normal blood supply to the brain. More troubling, manual CPR provides only 10% to 20% of normal blood flow to the heart. In fact, the role of CPR to provide flow to the heart muscle may have historically been under-emphasized.



While defibrillation is the definitive therapy for ventricular fibrillation, its efficacy is severely limited by response time, and its success is also dependent on circulation. Quite literally, it may be impossible to restart a heart after several minutes without first providing adequate coronary blood flow.

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