

**Ground Ambulance Equipment and Supply List**

This is the minimum equipment and supplies required on-board during response and patient transport for BLS (Class B) and ALS (Class C) EMS vehicles. All equipment must be operational. When applicable, items must be sealed and within current expiration period. All supplies and equipment (i.e.: monitors/defibrillators, drug bags/boxes, etc.) must be in enclosed compartments or otherwise secured to restrict movement in the event of vehicle crash. All oxygen cylinders must be secured with brackets that meet Ambulance Manufacturer's Division oxygen tank retention standard 003.

Item	Vehicle Type	
	Class B BLS	Class C ALS
	Quantity	Quantity
<b>A. Airway and Ventilation</b>		
Fixed suction system, electric powered with disposable collection container and large bore tubing, assembled and ready for use	1	1
Portable suction unit, assembled and ready for use – commercially available manual unit is acceptable	1	1
Large bore rigid oral suction catheters – must have internal diameter greater than or equal to 0.25 inches	2	2
Flexible suction catheters – 6F, 10F and 14F	2 each	2 each
Salem sump tubes – 8F, 12F and 18F with irrigation syringe	N/A	1 each
Meconium aspirator ET-tube adaptor	N/A	1
On-board oxygen system (“M”-size cylinder or equivalent) with 2 wall outlets	1	1
Adjustable oxygen flow regulators	2	2
Portable oxygen system with non-gravity dependent oxygen flow regulator	1	1
Full spare portable oxygen cylinder (“D”-size or larger)	1	1
Adult nasal cannula	4	4
Pediatric nasal cannula	2	2
Adult non-rebreather (NRB) mask	4	4
Pediatric non-rebreather (NRB) mask	2	2
Oxygen connection tubing – may be with BVM or nebulizers	2	2
Nasopharyngeal airways – assorted sizes, 16F – 34F. No less than 5 different sizes	1 set	1 set
Oropharyngeal airways – sizes 0 through 5	1 set	1 set
Combitube -OR- King LT/LT-D airway kits – sizes 3, 4, and 5.	1 each	1 each
Adult end-tidal CO2 detectors – colorimetric or qualitative	2 each	2 each
Pediatric end-tidal CO2 detectors – colorimetric or qualitative. (Optional at BLS level if pediatric King airways are utilized)	N/A	2 each
Laryngoscope handle with extra batteries	N/A	1 each
Laryngoscope blades - 0 & 1 straight; 2, 3, 4 straight or curved, with spare bulbs if applicable	N/A	1 each
Et tubes, sizes:		
2.5 uncuffed	N/A	2 each
3.0 or 3.5 uncuffed	N/A	2 each
4.0 or 4.5 cuffed or uncuffed	N/A	2 each
5.0 or 5.5 cuffed or uncuffed	N/A	2 each
6.0 or 6.5 cuffed	N/A	2 each

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7.0 or 7.5 cuffed	N/A	2 each
8.0 or 8.5 cuffed	N/A	2 each
ET-tube stylettes, adult and pediatric	N/A	1 each
Magill forceps, adult and pediatric	N/A	1 each
Chest decompression large bore needle, minimum of 3.25" length 14 - 16 gauge for adult and 1.25" - 1.5" 16 gauge for pediatrics	N/A	1 each
Adult, child and infant bag valves, self-filling with oxygen reservoir	1 each	1 each
Clear masks for bag valves, sizes: adult, child, infant and neonatal	1 each	1 each
Percutaneous Airway Kit - (example: Quick Trach 1® or Quick Trach 2® or other commercially available non-surgical kit.)	N/A	1
<b>B. Monitoring and Assessment</b>		
Blood pressure cuffs – thigh, adult and child sizes	1 each	1 each
Stethoscope, suitable for adult and pediatric use	1	1
AED with adult and pediatric defibrillator pads	1	N/A
Glucometer with single-use fully disposable lancets and glucose strips	1	1
Pulse oximeter for adult and pediatric use	1	1
Thermometer, capable of measuring a range of 86°-105° F	1	1
Patient monitoring system capable of cardiac rhythm monitoring, 12-lead acquisition, data transmission, transcutaneous pacing, defibrillation and cardioversion	Optional	1
Spare battery for patient monitoring system	N/A	1
Adult and pediatric defibrillation and transcutaneous pacing cables and pads for patient monitoring system	N/A	2 each
Cables, probes and supplies for ECG monitoring and pulse oximetry monitoring	Optional	---
<b>C. Immobilization Equipment</b>		
Rigid cervical collar – large, medium, small and child <b>-OR-</b> adjustable cervical collar – adult and pediatric	2 each	2 each
Head/cervical immobilization devices – towel/blanket rolls are acceptable	2	2
Short spinal immobilization device – KED, XP-1 or equivalent	1	1
Radiolucent, fluid impervious full-length backboards	2	2
Three 9-foot immobilization straps or equivalent	2 sets	2 sets
Traction splint(s), adult and child <b>OR</b> single splint adjustable for both	1 each	1 each
Padded extremity splints	2 each	2 each
<b>D. Wound Management</b>		
Sterile burn sheets	2	2
Sterile 10" x 30" multi-trauma dressings	2	2
Sterile ABD pads, 5" x 9" or larger	2	2
Sterile 4"x4"s	24	24
Sterile occlusive dressings, 3" x 8" or larger	2	2
Adhesive tape, assorted sizes and types. One roll must be hypoallergenic/latex-free	4 rolls	4 rolls
Self-adhering gauze bandages – Kling or equivalent	8 rolls	8 rolls
Triangular bandages	4	4
Commercial Arterial Tourniquet – CAT®, MAT®, etc.	2	2

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Heavy-duty bandage scissors or shears	1	1
Sterile saline irrigation, 1000ml total	---	---

**E. Infection Control – Quantities and sizes of all PPE must be sufficient for entire crew.**

Protective eyewear – full peripheral glasses, goggles or face shield	---	---
NIOSH N-95 or N-100 face masks	---	---
Protective gowns or coveralls	---	---
Protective shoe covers	---	---
Disposable exam gloves meeting NFPA 1999 requirements – assorted and appropriate sizes. Must include hypoallergenic/latex-free types	---	---
Disinfectant waterless hand cleaner	---	---
Disinfectant for cleaning vehicle interior and equipment	---	---
Biohazard trash bags	2	2
Fixed and portable sharps containers	1 each	1 each

**F. Medications**

Acetaminophen (Tylenol®), 160mg/5mL oral suspension	1 bottle	1 bottle
Albuterol, 2.5mg/3mL unit dose ampule	2	2
Albuterol/Ipratropium (Duo-Neb®), 2.5mg/0.5mg in 3mL unit dose ampule (Squads may also choose to carry Albuterol and Ipratropium Bromide individually and mix them per the Optional Medication List M.)	4	4
Amiodarone, 450mg total (May be substituted with Lidocaine)	N/A	---
Amiodarone, 150mg pre-mixed solution (May be substituted with Lidocaine)	N/A	1
Aspirin, 81mg chewable tablets	1 bottle	1 bottle
Adenosine (Adenocard®), 18mg total	---	---
Atropine, 1mg pre-loaded syringe	N/A	3
D <sup>50</sup> W, 25g pre-loaded syringe	N/A	2
Diltiazem (Cardizem®), 100mg total – ADD-Vantage® system or equivalent	N/A	---
Diphenhydramine (Benadryl®), 100mg total	N/A	---
Dopamine (Intropin®)	N/A	1
Epinephrine, 1:10,000, 1mg pre-loaded syringe	N/A	6
Epinephrine, 1:1,000, 1mg total (BLS MUST carry Epi 1:1000 -OR- Epi Pens as outlined in optional medications section M.)	Optional	2
Fentanyl (Sublimaze®), 200mcg total	N/A	---
Furosemide (Lasix®), 100mg total	N/A	---
Glucagon, 1mg	N/A	---
Haloperidol (Haldol®), 10mg total	N/A	---
Labetalol, 30mg total	N/A	---
Lidocaine (Xylocaine®), 100mg pre-loaded syringe (May be substituted with Amiodarone.)	N/A	3
Lidocaine (Xylocaine®), 1gm pre-mixed solution (May be substituted with Amiodarone.)	N/A	1
Magnesium Sulfate, 1g total	N/A	---
Midazolam (Versed®), 10mg total	N/A	---
Morphine Sulfate, 20mg total	N/A	---
Naloxone (Narcan®), 4mg total	---	---

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Nitroglycerin, 0.4mg (1/150) tablets or spray	1 bottle	1 bottle
Normal Saline (0.9%), 1,000ml	N/A	4
Ondansetron (Zofran®), 8mg total	N/A	---
Ondansetron (Zofran®) 4mg ODT	2 tablets	Optional
Oral Glucose, 15g tubes	2	2
Thiamine, 100mg total	N/A	---
<b>G. OB Equipment</b>		
Sterile OB kits with bulb syringe	2 each	2 each
Thermal absorbent blanket and head cover made of a heat-reflective material	1 each	1 each.
<b>H. Safety - Quantities and sizes of all PPE must be sufficient for entire crew.</b>		
Protective helmet meeting ANSI Z89.1 Type II, NFPA 1908-2007 or NFPA 1951-2007 standards	---	---
Protective eyewear meeting ANSI Z87.1-2003 standards	---	---
High visibility clothing compliant with 23 CFR Part 643 (Federal Highway Worker Visibility Act) ANSI/ISEA 107-2004-Class 3 or 207.	---	---
Protective gloves, extrication-type or heavy-duty leather	---	---
Current DOT Emergency Response Guidebook (paper or electronic version)	1	1
Fire extinguisher, 5lb 2A-10BC	1	1
Pedi-Mate® child occupant protection system	1	1
Chemical light sticks or reflective triangles, etc.	3	3
<b>I. Miscellaneous</b>		
Blankets	2	2
Cold packs	4	4
Disposable bedpan	1	1
Disposable, splash resistant emesis bags	4	4
Flashlights	2	2
Hot packs	4	4
Impermeable body bag	1	1
Pillow	1	1
Sheets	4	4
Stair chair or suitable substitute	1	1
Towels	2	2
Urinal	1	1
Wheeled stretcher, multi-level, with 5-point (over shoulder) patient restraint system	1	1
WV triage tags	25	25
WV triage tape rolls – red, yellow, green and black	1 each	1 each
Protocol manuals appropriate for level of staffing (paper or electronic version)	---	---
<b>J. IV and Medication Administration</b>		
Mini-drip IV administration set, 60gtts/ml. May utilize Select-3® sets or equivalent	N/A	4
Macro-drip IV administration set, 10 to 15gtts/ml. May utilize Select-3® sets or equivalent	N/A	4
Extension sets. May utilize Select-3® sets or equivalent	N/A	4
IV spike to luer lock adapter (required for Add Vantage Diltiazem administration)	N/A	2

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Saline locks and flushes	N/A	4
IV catheters, sizes 14g, 16g, 18g, 20g, 22g and 24g	N/A	4 each
EZ-IO driver	N/A	1
EZ-IO needles – adult, pediatric and bariatric	N/A	2 each
Adequate site preparation materials – alcohol or povidone	---	---
Venous tourniquets	N/A	---
Nebulizer kits	2	2
Drug atomizers	2	2
Syringes in appropriate quantities and sizes – 1ml, 3ml, 5ml, 10ml, 30ml, 60ml	2 each	2 each
Needles in appropriate quantities, sizes and lengths. Some greater than 1.5” in length for IM medication administration	---	---
Length/weight based pediatric drug and equipment reference – <i>Broselow</i> tape or equivalent	1	1
<b>K. Two-Way Communications</b>		
Between vehicle, dispatcher and 911 center (if applicable)	---	---
Between vehicle and regional command	---	---
For disaster operations	---	---
<b>L. Optional Equipment and Supplies</b>		
Blood sample tubes and supplies	---	---
Capnography (Required for RSI agencies)	---	---
Commercially available soft restraints	1 set	1 set
CPAP device with 2 masks and tubing circuits	---	---
Cyano-Kit	---	---
Elastic bandages	---	---
ET Tube Introducer	N/A	---
Heimlich valves	N/A	---
Hemostatic dressings. Must be impregnated gauze-type hemostatic agent	---	---
IV fluid warmed		
IV infusion pump	N/A	---
Morgan Lens	---	---
Needle jet insufflation device	N/A	---
Non-invasive vital signs monitor	---	---
Pediatric King Airways - sizes 2 and 2.5	1 each	1 each
Pediatric end-tidal CO2 detectors – colorimetric or qualitative	1	N/A
Pediatric spinal immobilization device	---	---
Pelvic immobilization device	---	---
Pocket Mask	---	---
Simple ventilator	N/A	---
Vacuum splints	---	---
Video Assisted Laryngoscope	N/A	1
<b>M. Optional Medications</b>		
EpiPen	1	N/A
EpiPen Jr.	1	N/A
Etomidate (Amidate®), 80mg total	N/A	RSI ONLY
Sodium Bicarbonate, 50mEq pre-loaded syringe	N/A	Optional

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Succinylcholine, 400mg total.	N/A	RSI ONLY
Vecuronium (Norcuron®), 20mg total	N/A	RSI ONLY
Tetracaine (0.5%), 2mL total	---	---
Ipratropium Bromide (Atrovent®) 500 microgram unit dose ampules	2	2