

AFG Grant Submittal Descriptions

Scott Liberty II Tandem-Axle Breathing Air and Light System Trailer

A light and air trailer is a specialized piece of firefighting apparatus used by firefighters to provide supplemental lighting and SCBA air bottles at the scene of an emergency. During prolonged emergencies, particularly structure fires, these air bottles will need to be replaced and refilled. The light and air trailer has the ability to refill the SCBA bottles in the field using an onboard air compressor while also carrying a supply of spare air cylinders. The high and low pressure hose reels allow for an unlimited supply of both breathing air and pneumatic tool usage. This multifunctional trailer is also equipped with a generator which supplies electricity to power portable lights and overall scene illumination which is usually accomplished via a roof mounted telescoping light bank. The trailer also has the ability to supply electrical power to a shelter or other facilities during a disaster or emergency situation. The light and air trailer can be located at a designated station and provide bottle filling capabilities while also being portable when the need arises.

Training Classes and Courses

Tower Rescue Technician

This 40-hour program is designed to provide operations-level and technician-level skills to all participants. The course meets all technician-level requirements outlined in the new Tower Rescue Chapter of NFPA 1670 (2014 Edition). Participants will become prepared for emergency response to high-angle rescue incidents involving communications towers, radio towers, and other man-made structures.

Training topics include:

- Tower hazards
- RF safety
- Tower climbing equipment and techniques
- Tower rescue methods

These subjects will be addressed in a classroom environment and during multiple vertical training evolutions on a variety of structures. Written and practical skills testing will be conducted at the conclusion of this course.

Dive Rescue Specialist

Learn the fundamentals of public safety dive rescue operations from scene evaluation through incident debriefing. Public safety divers and surface-support personnel are prepared to respond effectively to a water-incident scene. Topics include: overview of public safety drowning accidents; selecting, training, and equipping dive teams; family media and other agencies relations; search pattern fundamentals; victim retrieval tactics; responding to vehicle accidents; accident scene documentation; and an introduction to specialized equipment. Programs are presented in a classroom, a pool, and at an open-water training site.

This program is designed for personnel who are physically fit. Participants are encouraged to participate after successfully completing the IADRS Watermanship Test or testing to a fitness level of 13 MET (Metabolic Equivalents) or greater. Participants with aerobic fitness questions or concerns should consult their physician prior to in-water training. Participants who have poor aerobic fitness may attend this program as surface support personnel with the approval of the instructor.

Hazmat Technician Course

Hazardous Materials Technicians are emergency responders who are trained to approach the point of a hazardous material spill or release, while using personal protective equipment (PPE), in order to stop or control the hazardous substance. HAZMAT Technicians perform advance control, containment, and confinement operations and use decontamination procedures.

The blended HAZMAT Technician Level III Responder course (16 hrs. online plus 8 hrs. in classroom) is designed to help Hazardous Materials Technicians meet the 24 hour training requirement per OSHA regulation 29 CFR 1910.120(q). Per OSHA, annual refresher training is required with sufficient content and duration to maintain competencies.

This blended 24 Hour HAZMAT Technician training course is comprised of three 8 hour parts. The first two parts are completed online, and the third part is completed in the classroom:

Part 1 – First Responder Operations training / FRO training (Online)

Part 2 – Transitioning from an FRO to a Hazardous Materials Technician (Online)

Part 3 – Equipment familiarization and scenario exercise (Classroom)

O2X Human Performance Training

Founded by Navy SEALs, O2X Human Performance began with a shared desire to continue to serve others. Their integrated approach to education merges all pillars of human performance so tactical athletes can finish their careers as strong as they started.

Their science-backed curriculum covers key aspects of conditioning, nutrition, mental readiness, stress and fatigue management, sleep, and resilience. Each year, our organization brings training led by hundreds of the world's leading experts in physical and mental performance to thousands of athletes from the Military, Fire, EMS, Police, special operations, professional and NCAA sports organizations, and Fortune 500 corporations.

Based on the principle that small, incremental changes lead to sustainable improvements, our curriculum can be tailored to meet your organization's needs. O2X provides individuals and organizations with concrete, actionable ways to build a warrior spirit and get 1% better everyday.

EMS Training

The EMS training which included Handtevy, Custom Trauma, 12 Lead Refresher, and Airway Management are all continuing education training to keep our Paramedics recertified and skill levels at their highest so that their performance excels in the field.

Training Trailer and Tow Vehicle

The portable self-contained Fireflash Series is a fire training unit that provides over 416 square feet of interior training space with 744 square feet of total training space. This space includes a generator, fuel source, three (3) burners including flashover/rollover, a smoke system, movable panels, ventilation pitched roof with safety railings, chop hatch, basement access, second story enclosed room and an equipment room on a portable transport trailer with exterior staircases.

The unit provides a fuel source, generator or power supply, operating equipment, required safety components, and smoke distribution system. The unit utilizes Liquid Petroleum Gas (LPG) in the vapor state as the fuel source.

With the ability to transport this fire training simulator, mutual aid departments can arrange for the best location to have joint controlled live fire training with the two (2) gas fired props and one (1) flashover prop.

Traffic Preemption

Emergency Vehicle Preemption (EVP) helps to get first responders on the scene quickly and safely. Police, fire and EMS agencies can't afford downtime with their traffic preemption technology.

When you flip a light switch, the lights come on. You don't have to worry about how the power got to the building; you just know that it works when you need it.

Traffic preemption priority control can be similar; your emergency vehicle approaches the intersection and the system requests priority. The equipment, software, services and all the details can be provided and managed by GTT's client services team.

You don't have to worry about how the system works; you'll just know that it does. You'll get all of the benefits of Opticom, without having to deploy or maintain the system.

No need for capital expenditure When it comes to priority control, there's a cost to doing nothing.

Faster response times can help to save lives. Savings can also come from reduced accidents, enabled by Opticom Priority Control as a Service. Finally, less time on the road means lower maintenance expenses and less fuel consumption. These unneeded expenses can add up.

With Opticom PCaaS, you know exactly how much your priority control solution will cost each year, because the fee is fixed.

With no capital investment, the savings enabled by the Opticom priority control solution can far outweigh the fee for the service – therefore more than paying for itself starting day 1.