Notice of Bid

The City of Pigeon Forge is requesting bids from qualified vendors on **Wildland Fire Simulation Table** for the City of Pigeon Forge Fire Department. Bid specifications are enclosed or may be obtained at the City of Pigeon Forge Fire Department Monday through Friday between the hours of 8:00 am to 4:30 pm. Proposals not meeting the requirements will be rejected.

The City of Pigeon Forge reserves the right to reject any or all bids or to accept the bid deemed most favorable to the city. We also reserve the right to accept any portion or all of a bid.

Bids must be good through **March 1st, 2014**.

Bidder agrees by placing bid that no bills will be submitted to the City of Pigeon Forge Fire Department until all items on order are received and accepted by the City of Pigeon Forge Fire Department as correct.

Bids will be received by the City of Pigeon Forge until 1:30 pm (Eastern Time) **December 10th, 2013** at which time they will be opened and read aloud at the City of Pigeon Forge Fire Department Station #1 located at 225 Pine Mountain Rd.

Any question on any item listed, please call the City of Pigeon Forge Fire Department at (865) 429-7381.

All bids must be dated, signed and words "**Wildland Fire Simulation Table**" shall be prominently displayed on the outside of each individual envelope pertaining to that bid.

Address all bids to:
City of Pigeon Forge Fire Department
Attn: Tony L. Watson
P.O. Box 1350
Pigeon Forge, TN 37868-1350

<u>LEGAL RIGHT TO SPECIFY</u>

The Fire Department (for the remainder of this section referred to as the "specifier") chooses to exercise its Legal Right to Specify as determined by the U.S. Supreme Court's affirmation of the decision handed down in the case of <u>Whitten Corp. vs. Paddock</u>, by the U.S. District Court of Massachusetts, the First Federal District Court, which in effect states:

1) That as trained professionals, specifiers make informed judgments on products that they feel best serve their needs. Also, that proprietary specifications (if chosen) DO NOT violate any antitrust laws. Technically, very few brands of material or equipment are exactly alike, <u>and if the specifier wants to limit the specification to one source, he has the right to do so and enforce it</u>.

2) Only the specifier has the responsibility and judgment for determining whether a proposed substitution is an "or equal".

3) That from start to finish in the purchasing process, only the specifier can ultimately decide if another desirable product is available in lieu of the specification.

4) Finally, that the courts concluded <u>"the burden is on the supplier or manufacturer, who has NOT been specified, to convince the specifier that their product is equal for the purpose of a particular project"</u>.

The specifier has determined that this product specification shall represent the product to which all offerings shall be compared. Due to the fact that firefighting is an ULTRAHAZARDOUS, UNAVOIDABLY DANGEROUS activity, only trained Fire Department personnel with specific knowledge in the area of Personal Protective Equipment shall be allowed to make the final determining decision on the selection of the appropriate product to serve the Fire Department's needs.

PURPOSE AND SCOPE:

This specification defines the minimum requirements for wildland fire simulation tables. The Emergency Management Accreditation Program (EMAP) defines standards related to Training and Education. These standards support the National Incident Management System and are designed to promote continuous improvement through periodic exercises and tests. Exercises increase awareness and understanding of hazards and potential impact of hazards to the City of Pigeon Forge through seminars, workshops, tabletops and functional trainings as defined in NFPA 1600 Disaster/Emergency Management and Business Continuity Programs NFPA 1600, 2010 edition (hereinafter referred to as NFPA 1600, except in the Applicable Documents section). In the absence of comment on a particular point, industry standard practice shall be presumed to prevail. Workmanship and material shall be first quality throughout. All exceptions to specifications must be clearly spelled out at the time of bid. In the absence of comment to a specific point, the bidder is required to furnish a wholly compliant product. Taking a blanket exception shall not be acceptable.

Does Your Bid Comply With All Aspects of This Section.　　　　Yes❑　　　　No❑

UNITS OF MEASURE:

Current NFPA standards applicable to this product specification express values for measurement requirements in SI (metric-based) units, followed by US (inch-pound) approximate equivalents in parentheses. For the convenience of the fire department, this product specification *reverses the order* and presents the more familiar US approximation first, followed by the SI requirement in parentheses.

Does Your Bid Comply With All Aspects of This Section.　　　　Yes❑　　　　No❑

CERTIFICATION:

The manufacturer must certify that the simulation table was designed to meet the intent of NFPA 1600 for uses in planning, training and exercises. The manufacturer must also certify that all components utilized in construction must be certified with Underwriters Laboratories Inc. (UL) or Safety Equipment Institute (SEI), as the third party certification organization.

Does Your Bid Comply With All Aspects of This Section.　　　　Yes❑　　　　No❑

HARDWARE:

- The table shall consist of applicable hardware to create a box containing a crushed walnut shell media. The table shall be collapsible and portable such that storage is possible within a small room. The table shall measure 64" x 48" when expanded/constructed and shall not allow materials to fall out.

  Does Your Bid Comply With All Aspects of This Section.   **Yes❑**   **No❑**

- The Projector/Camera pair processor shall be mounted at a distance of 3 feet above the table and shall have a focus mechanism which allows for minor variations in height as the unit is transported and set up in various locations. The projector shall have 2700 lumens with a short throw distance. The camera shall be CMOS-based technology with 30 fps and 1024x768 resolution.

  Does Your Bid Comply With All Aspects of This Section.   **Yes❑**   **No❑**

- The computer shall contain 4GB RAM with a 2.3GHz processor

  Does Your Bid Comply With All Aspects of This Section.   **Yes❑**   **No❑**

- Mounting stand, table and travel case must be included.

  Does Your Bid Comply With All Aspects of This Section.   **Yes❑**   **No❑**

WILDLAND FIRE SOFTWARE MODULE:

- The software module shall deliver an interactive technology which projects images of GIS maps onto physical 3-dimensional surfaces. This module shall be able to simulate wildland fires in a real-time methodology and will be customized to the user's specifications. This module must incorporate fuels, slope and wind speed/direction.

  Does Your Bid Comply With All Aspects of This Section.   **Yes❑**   **No❑**

- The software module must be able to produce wildfire spread simulations in real-time based on GIS layers of terrain, weather and fuels

  Does Your Bid Comply With All Aspects of This Section.   **Yes❑**   **No❑**

- The software module must be able to simulate hand crews, bulldozers, air tankers, engines and fire lines.

  Does Your Bid Comply With All Aspects of This Section.   Yes❑   No❑

ADDITIONAL SOFTWARE MODULES:

- The computer must be able to accept upgrades which may include hazardous materials plume, flood and traffic evacuation modeling. The system designer shall provide upgrades as needed by the user.

  Does Your Bid Comply With All Aspects of This Section.   Yes❑   No❑

- Software must be able to calibrate the projector to project onto non-uniform surfaces

  Does Your Bid Comply With All Aspects of This Section.   Yes❑   No❑

- The software must be able to provide three-dimensional scanning of the walnut-shell surface

  Does Your Bid Comply With All Aspects of This Section.   Yes❑   No❑

- Software must be able to follow laserpointer to provide full operation of simulations

  Does Your Bid Comply With All Aspects of This Section.   Yes❑   No❑

INTEGRATION AND CUSTOMIZATION:

- Packaged hardware/software must integrate existing Pigeon Forge GIS, topographical and fuel data into maps within the system. This module will include 10 maps and areas within Blount, Sevier and Cocke Counties of Tennessee to include Smoky Mountain National Park both in Tennessee and North Carolina.

  Does Your Bid Comply With All Aspects of This Section.   Yes❑   No❑

- Realtime synchronization software must be able to provide bidirectional synchronization of events running with web pages and mobile devices

  Does Your Bid Comply With All Aspects of This Section.   Yes❑   No❑

- Realtime synchronization must be able to provide model parameters of wind, ignition points and tactical resources from mobile devices

Does Your Bid Comply With All Aspects of This Section.   Yes❑   No❑

TECHNICAL AND TRAINING:

- Manufacturer shall provide on-site training to include travel and lodging for the purpose of use and/or maintenance of hardware/software.

Does Your Bid Comply With All Aspects of This Section.   Yes❑   No❑

QUALITY STANDARDS:

- The Manufacturer will provide a one-year warranty on parts and labor.

Does Your Bid Comply With All Aspects of This Section.   Yes❑   No❑

DELIVERY:

- The successful bidder will be able to offer delivery within 30 days of receipt of purchase order.

Does Your Bid Comply With All Aspects of This Section.   Yes❑   No❑

SHIPPING:

- The bid pricing shall include all shipping and handling charges.

Does Your Bid Comply With All Aspects of This Section.   Yes❑   No❑

- The bid shall allow for 100% delivery before items are paid for.

Does Your Bid Comply With All Aspects of This Section.   Yes❑   No❑

- The bid shall guarantee pricing until June 1, 2014.

Does Your Bid Comply With All Aspects of This Section.   Yes❑   No❑

Exceptions:

BID SHEET

Company Name:

_____

Address:

_____

Contact: _____**Phone:** _____

Bid Packet Checklist:

_____ **Specifications**

_____ **Bid Sheet**

BID OPENING
December 10th, 2013
1:30 pm Eastern Time

Percentage Specifications
Compliance Calculation

	Total Number of "Yes / No" Questions		
	Total Number of **Yes** Answers		
	Total Number of **No** Answers		
% Specification Compliance [(Total Yes Answers) / (Total Answers)] X 100%			**%**
Each "**No**" answer requires a full written explanation. Each "**Yes/No**" questions not checked where provided will be considered a "**No**" answer.			