

City of South Euclid  
Notice to Bidders: 2024 Portable  
Digital X-Ray Systems

The City of South Euclid will receive sealed bids for the purchase of a portable digital x-ray system for the Eastside Departments Enforcement (EDGE). The equipment will include, at a minimum, an x-ray panel, an x-ray source, and a computer system that is compatible with the components of this system. This portable digital x-ray system will be utilized by members of the EDGE Bomb Squad for EOD (explosive ordnance disposal), IED (improvised explosive devices), and public safety operations.

The specifications for the bid can be viewed and downloaded via the Police Department website by clicking on the "BIDS" menu button, or will be available for pick up at the South Euclid City Hall Finance Department, 1349 S. Green Road, South Euclid, Ohio 44121.

Bids will be received at South Euclid City Hall Finance Department starting on Friday, May 24, 2024 at 9am local time. Bids received after 9:00 AM local time will be returned unopened. Each bid must contain the full name of each person or company interested in the same. The City reserves the right to reject any and all bids. All questions should be directed to Sergeant Reyna at the Beachwood Police Department, 2700 Richmond Road, Beachwood Ohio 44122, phone (216) 595-3408, fax (216) 292-1954. Email: [Luis.Reyna@beachwoodohio.com](mailto:Luis.Reyna@beachwoodohio.com)

# **SPECIFICATIONS FOR PORTABLE DIGITAL X-RAY SYSTEMS**

## **SCOPE**

The Eastside Departments Group Enforcement (EDGE) Bomb Squad is soliciting proposals from qualified vendors to supply a portable digital x-ray system to include, at a minimum, an x-ray panel, an x-ray source, and a computer system that is compatible with the components of this system. This portable digital x-ray system will be utilized by members of the EDGE Bomb Squad for EOD (explosive ordnance disposal), IED (improvised explosive devices), and public safety operations.

## **APPLICABLE DOCUMENTS**

Any manufacturer or vendor responding to this bid shall enclose in their proposal, at the time of bid, any documents required in these specifications. It is the responsibility of the vendor to be sure that the proposal submitted meets all the requirements of these specifications. Bids which fail to comply with these specifications shall not be considered for award.

## **MATERIALS**

The components and optional items shall be represented in the manufacturer's current sales and technical data. The supplier shall provide total standardization and interchangeability between similar tools and components, items, and accessories of the manufacturer specified in the proposal.

Materials used in the construction of the portable digital x-ray system shall be new and not less than the quality conforming to current engineering and manufacturing practices. Materials shall be free of defects and suitable for the service intended.

## **EXCEPTIONS TO THE SPECIFICATIONS**

It is not the intent of these specifications to restrict or prevent any vendor from submitting a proposal on his/her product. Due to the fact that the equipment specified is to be used under emergency and hazardous conditions, where human life may be at risk, the following must apply. Any exceptions to these specifications indicated herein must be clearly pointed out; otherwise it will be considered that items offered are in strict compliance with these specifications and the successful bidder will be held responsible for delivering portable digital x-ray system meeting these specifications. Any exceptions taken shall be listed and noted on the exception sheet found at the end of these specifications.

## **INFORMATION AND DESCRIPTIVE LITERATURE**

Bidders must furnish all information requested and, in the space, provided on the bid form. In addition, vendors shall supply at least two (2) sets of literature covering the products offered. Bids not meeting this requirement will be rejected without further explanation.

## **ANTI-COLLUSION STATEMENTS**

By signing this bid the bidder agrees that this proposal is made without any misunderstanding, agreement, or connection with any other person, firm, or corporation making a bid for the same purpose, and that the bid is in all respects fair and without collusion or fraud.

Sign in ink in the space provided below. Unsigned bids will be considered as incomplete and will be rejected without further explanation.

It is agreed by the undersigned bidder that the signing and delivery of this bid represents the bidder's acceptance of the terms and conditions of the foregoing specifications and provisions; and if awarded the contract by this agency, will represent the agreement between the parties.

**Name of Firm:** \_\_\_\_\_

**Signed by (in ink):** \_\_\_\_\_

**Title:** \_\_\_\_\_

**Brand of Portable Digital X-Ray System:**

\_\_\_\_\_

**Delivery will be made in \_\_\_\_\_ days, not to exceed twelve (12) weeks.**

## **SPECIAL NOTE:**

Variances or exceptions must be noted and numbered on the following pages and explained in full detail on the last pages of this specification. Vendors whose bid fails to comply with this requirement will not be accepted.

## **GENERAL CONDITIONS**

The following is a description of the portable digital x-ray system that will meet the minimum requirements of this specification. These specifications are to be considered as minimum and are expressed as such. If the portable digital x-ray system and component parts delivered under this contract do not comply with these specifications, the tool (s) will not be accepted. Any vendor failing to meet his/her obligations required as part of this contract may be forced to pay liquidated damages to this agency. Such damages shall not exceed an amount in acquiring a replacement product or tool meeting the requirements of this specification.

**Comply \_\_\_\_ Exception \_\_\_\_**

## **PORTABLE DIGITAL X-RAY SYSTEM**

This portable digital x-ray system is requested for use by the regional Bomb Squad. The equipment is utilized to conduct EOD related operations to include the scanning of package or potential devices to determine viability of bomb making components within. Since this system will be used in dynamic and ever-changing environments, a major consideration will be the listed specifications. Bidders responding to this bid shall take this information into consideration when bidding this component.

### **PORTABLE DIGITAL X-RAY SYSTEM COMPONENTS**

At a minimum, the system shall include an x-ray imaging panel, an x-ray source, and a computer kit that is compatible with the imaging panel.

**Comply \_\_\_\_ Exception \_\_\_\_**

### **X-RAY SOURCE**

The x-ray source must have an operational kV range of 40-400kV. The source must have an operating temperature range of -4°F to 158°F. There shall be a time delay for usage built into the source. There shall be a way to measure pulse usage. The x-ray source must come with a removable, rechargeable battery source.

**Comply \_\_\_\_ Exception \_\_\_\_**

### **X-RAY IMAGING BORDERS**

The imaging panel must have a 3mm border, or less, to reduce the “dead space” in the borders of the x-ray images.

**Comply \_\_\_\_ Exception \_\_\_\_**

### **X-RAY PANEL DURABILITY**

The x-ray panel must meet the Ingress Protections rating of IP67 for. The panel shall be glass free. The panel should be durable enough to withstand being dropped from at least 1 meter.

**Comply \_\_\_\_ Exception \_\_\_\_**

### **X-RAY PANEL SIZE**

The usable space of the x-ray panels shall be 10”x10”, 12”x12”, or 14”x17” in size.

**Comply \_\_\_\_ Exception \_\_\_\_**

## **X-RAY IMAGING WITHOUT CONNECTION**

The x-ray panels must be able to receive images with and without wired or wireless connection.

**Comply \_\_\_\_ Exception \_\_\_\_**

## **CALIBRATION**

The x-ray imaging panels must have on board calibration and never require manual calibration.

**Comply \_\_\_\_ Exception \_\_\_\_**

## **COMPATIBLE OPERATING SYSTEMS**

The operating systems of this portable digital x-ray system shall be compatible with Android and Windows operating systems. The system must integrate with XTK (X-Ray Toolkit) software from Sandia National Laboratories.

**Comply \_\_\_\_ Exception \_\_\_\_**

## **WIRELESS AND WIRED CONNECTIVITY**

The portable digital x-ray system must have short-range and long-range modes of operation. The system must support wired or 5GHz wireless operation.

**Comply \_\_\_\_ Exception \_\_\_\_**

## **BATTERY HOUSING**

Every component of the portable digital x-ray system must have removable or external batteries.

**Comply \_\_\_\_ Exception \_\_\_\_**

## **BOMB SQUAD COMPATIBILITY**

The portable digital x-ray system must be approved for AEODU (All Explosive Ordnance Disposal Use) by the Military Technical Acceptance Board, Naval Surface Weapons.

**Comply \_\_\_\_ Exception \_\_\_\_**

## **CUSTOMER SUPPORT**

Must have 24-hour USA Customer Support and Repair capability.

**Comply \_\_\_\_\_ Exception \_\_\_\_\_**