

City of Mt. Pleasant, Michigan

**CONTRACT DOCUMENTS**

For

**2018 Cardiac Science G5 Automatic External Defibrillator Replacement**



**Allison Quast Lentz**

Mayor

**Nancy Ridley**

City Manager

Prepared By:  
Mt Pleasant Fire department

**Rick Beltinck**

Fire Chief

March 2018

City of Mt. Pleasant, Michigan  
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THE CITY OF  
MT. PLEASANT, MICHIGAN

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**CITY HALL**  
320 W. Broadway •  
48858-2447  
(989) 779-5300

**PUBLIC SAFETY**  
804 E. High • 48858-  
3595  
(989) 779-5100

**PUBLIC WORKS**  
1303 N. Franklin •  
48858-4682  
(989) 779-5400

## NOTICE TO BIDDERS

### 2018 Cardiac Science G5 Automatic External Defibrillator (AED) Replacement

The City of Mt. Pleasant, Michigan, is requesting sealed bids at the Office of the City Clerk, City Hall, 320 West Broadway Street, Mt. Pleasant, Michigan 48858, until 1:30 p.m. (local time), on Tuesday, April 3, 2018, at which time and place the bids will be publicly opened and read. All bids shall be submitted in a sealed envelope, plainly marked "**2018 Cardiac Science G5 Automatic External Defibrillator Replacement .**" Bidders must include manufacturer's specifications and the City's specifications sheets, indicating ability to comply, with the bid proposal.

Proposals are solicited on a lump sum basis, for the following:

Cardiac Science Powerheart G5 AED's, accessories and training.  
Specification requirements are listed within this document.

To view and download complete Plans and Specifications at no charge, visit the City of Mt. Pleasant website at [www.mt-pleasant.org](http://www.mt-pleasant.org) and navigate to the Bids and Quotes page. Questions must be submitted by e-mail to [rbeltin@mt-pleasant.org](mailto:rbeltin@mt-pleasant.org) by March 30, 2018

The City of Mt. Pleasant reserves the right to accept or reject any or all bids, to waive any irregularities in the bids, and to select the bid considered most advantageous to the City.

Rick Beltinck  
Fire Chief  
(989) 779-5152

Jeremy Howard  
City Clerk

Website: [www.mt-pleasant.org](http://www.mt-pleasant.org)

City of Mt. Pleasant, Michigan

## **INSTRUCTIONS TO BIDDERS**

### **FOR MATERIALS**

#### **1. Proposals**

Proposals must be made upon the forms provided, therefore, with the Bid amount both written and shown in figures, and all other data required submitted.

The Proposal, bound together with all Proposal Documents, must be enclosed in a sealed envelope marked as specified in the Notice to Bidders for such Bid and clearly indicating the name and address of the Bidder and must be received by the City Clerk, City Hall, 320 West Broadway Street, Mt. Pleasant, Michigan 48858, no later than the time and date specified in the Notice to Bidders. At such specified time, Proposals shall be publicly opened and read aloud.

#### **2. Basis of Proposals**

Proposals are solicited on the basis of unit price(s) and/or lump sum(s), as specified on the Proposal form.

The City of Mt. Pleasant, (also referred to as "Owner"), reserves the right to accept any Bid, to reject any or all Bids, and to waive any irregularities in the Bids, and to select the Bid considered most advantageous to the City.

#### **3. Comparison of Bids**

In comparing Bids, consideration shall be given to the time proposed for completion of the Contract, qualifications of Bidder, price differentials, alternate Proposals for the alternate items listed in the Proposal (if applicable), and any other pertinent factors. **The City of Mt. Pleasant grants a preference to businesses located within the Mt. Pleasant City Limits. The preference given is a differential above the low bid if the low bid is not from a City of Mt. Pleasant bidder. The differential allowed is 3% of the total for bids between \$5,000 and \$9,999 and 2% of the total for bids over \$10,000. The maximum credit allowed is \$1500.00.** The Owner reserves the right to make an award to the Bidder whose Proposal is deemed to be in the best interest of the Owner.

#### **4. Time**

Time is of the essence in the performance of the Contract, and each Bidder, by submitting a Proposal, certifies his/her acceptance of the time allowed by the Contract for the completion of the work specified.

## 5. **Indemnification**

The Contractor shall save and hold harmless the city and its employees from and against all claims, damages, losses, or expenses, including attorney's fees, arising out of or resulting from the performance of the work; provided that any such claim, damage, loss or expense is caused in whole or in part by any negligent or willful act of omission of the contractor, subcontractor, employee, or anyone under their direction. The Contractor shall at his/her own expense, defend any and all such actions and shall pay all attorney's fees, costs, and expenses pertaining thereto.

## 6. **Insurance and Bonds**

The successful Bidder will be required to execute (2) Bonds, in the form attached hereto, with Surety acceptable to the Owner and insurance, as follows:

- a. Bond in the amount of 100% of the Estimated Contract Price running to the City of Mt. Pleasant, Michigan, to insure the completion of the entire work, according to the statutes of the State of Michigan in effect at that time.
- b. Bond in the amount of 100% of the Estimated Contract Price running to the People of the State of Michigan for the protection of Subcontractors and Labor and Material Men, according to the statutes of the State of Michigan in effect at that time.
- c. Insurance in the amounts required by City Ordinance as specified in the Section 1 - General Construction Specifications, attached hereto.

The successful bidder shall be required to furnish for each set of executed Contract Documents, and conformed copies thereof, an original conformed Performance Bond, Labor and Materials Bond, and Insurance Certificates using the attached forms. Any other bond forms are not permissible.

## 7. **Permits and Local Codes**

The Contractor shall obtain, at his/her expense, all other required local construction permits and shall comply with local building code and inspection requirements.

## 8. **Bidder Responsibility For Conditions of Work and Site**

The Bidder, or his/her representative, shall make personal investigation of the site of work and of existing structures and shall determine to his/her own satisfaction the conditions to be encountered, the nature of the ground, the difficulties involved in making connections to existing structures and pipes, and any and all other factors affecting the work proposed under the Contract.

The Bidder to whom the Contract is awarded shall not be entitled to any additional compensation by reason of conditions being different from those anticipated or by reason of his/her failure to fully acquaint himself/herself with the conditions at the site affecting the work of the Contract.

## **9. Changes in Work**

If any change is required to be made in the work of the Contract, a payment adjustment therefore shall be determined as agreed upon in writing by the contractor and owner.

## **10. Interpretation of Documents**

If any Bidder is in doubt as to the true meaning of any part of the Plans, Specifications or any Contract Document, he/she may submit to the Owner a written request for an interpretation thereof.

Any interpretation made in response to such query shall be made only by Addendum, duly issued, and a copy of such Addendum shall be mailed or duly delivered to each prospective Bidder. The Owner shall not be responsible for any other explanation or interpretation of the Contract Documents.

## **11. Execution of Bid Proposal**

A Bid Proposal which is not signed by the individual making it should have attached thereto a Power of Attorney evidencing authority to sign the Bid Proposal in the name of the person for whom it is signed.

A Bid Proposal, which is signed by a partnership, shall be signed by all of the partners or by an Attorney-in-Fact. If signed by an Attorney-in-Fact, there should be attached to the Bid, a Power of Attorney evidencing authority to sign the Bid Proposal in the name of the partnership and such Power of Attorney shall be signed by all partners of the partnership.

A Bid Proposal, which is signed for a corporation should have the correct corporate name thereof and the signature of the President, or other authorized officer(s) of the corporation, manually written below the corporate name and on the line indicating "By:\_\_\_\_\_." If such Bid Proposal is manually signed by an officer other than the president of the corporation, a certified copy of the Resolution of the Board of Directors evidencing the authority of such officer(s) to sign the Bid Proposal should be attached thereto. Such Bid Proposal should also bear the attested signature of the Secretary of the corporation and an impression of the corporate seal.

## 12. **Delivery**

The successful Bidder shall deliver equipment and/or materials as specified to the City of Mt. Pleasant, Department of Public Safety, 804 E High Street, Mt. Pleasant, Michigan, 48858, or as specified in the proposal. The proposal amount should include delivery F.O.B. Mt. Pleasant. All equipment, literature, manuals, warranty papers, and any other items listed in the specifications of the equipment or materials, must be delivered before payment in accordance with this contract.

**"Cardiac Science G5 Automatic External Defibrillators"**

**PROPOSAL**

TO: Office of the City Clerk  
City Hall  
320 West Broadway St.  
Mt. Pleasant, MI 48858

BID DATE: April 3, 2018  
TIME: 1:30 p.m.

In accordance with the specifications and other bid requirements heretofore provided, the undersigned agrees to provide the below listed bid items at the price(s) set forth below. This is a firm bid and not subject to withdrawal or change for a period of sixty (60) days.

<u>BID ITEM</u>	<u>QTY</u>	<u>UNIT</u>	<u>TOTAL</u>
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**Cardiac Science G5 Automatic External Defibrillator**

TOTAL \$ \_\_\_\_\_  
(figures)

\_\_\_\_\_  
(Written) \_\_\_\_\_ and \_\_\_\_/100 Dollars.

**Estimated delivery date to City of Mt. Pleasant:** \_\_\_\_\_

Respectfully Submitted,

COMPANY: \_\_\_\_\_ DATE \_\_\_\_\_

ADDRESS : \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP+4 \_\_\_\_\_

TELEPHONE \_\_\_\_\_ FAX \_\_\_\_\_

AUTHORIZED SIGNATURE \_\_\_\_\_

PRINT OR TYPE NAME & TITLE \_\_\_\_\_

EMAIL \_\_\_\_\_



City of Mt. Pleasant Michigan

**"Cardiac Science G5 Automatic External Defibrillator"**

**SPECIFICATIONS**

The City of Mt. Pleasant Department of Public Safety is requesting sealed bids for purchasing 12 AED's. This request outlines the specifications for this project. Included in this bid will be the installation of all materials, equipment and labor as specified, all processing/applicable fees, shipping and delivery to Mt. Pleasant, Michigan. It will be the obligation of the bidder to state specifically any bid requirement that is not met by its proposal. Questions regarding these specifications may be directed to Rick Beltinck, Fire Chief, via email to [rbeltin@mt-pleasant.org](mailto:rbeltin@mt-pleasant.org)

- Device shall automatically activate upon lid opening.
- Device shall automatically detect the type of defibrillation pads. Upon detection, the AED shall utilize the appropriate CPR and Shock protocols as defined by the configurations, whether for adult or pediatric use.
- Device shall deliver a shock within 10 seconds (typically) of a shock decision post CPR.
- Device must provide variable escalating energy shocks capable of energy greater than 350 joules.
- Device waveform shall deliver variable energy levels customized to patient impedances between 25-175 Ohms.
- Device waveform shall compensate for a patient's impedance level.
- Device waveform shall respond to patient's cellular response curve by providing charge balancing, with a waveform that achieves a charge balancing index (CBI) of greater than 99% over most patient impedances.
- Device must automatically synchronize delivery of a defibrillation shock with the patient's electrocardiogram R-Wave. If AED is unable to synchronize, it will deliver an unsynchronized shock if a shock is necessary.
- Device shall have 0.08mV asystole threshold, baseline to peak.
- Device shall have the future capability to support optional CPR feedback, providing rescuer guidance in accordance with current resuscitation guidelines.
- Device shall inform the user if the defibrillation pads are expired or previously used.
- Device shall have the ability to inform the user of the status and capacity of the battery via audible alerts, voice, and visual prompts.
- Device manager software, in administrator mode, shall allow medical directors/administrators or their designees to program devices to meet their protocols for AED use.
- Device shall permit all AED and rescue information to be downloaded via direct connection USB cable to a PC or removable USB flash drive.
- Device shall automatically begin uploading the AED and rescue information when a removable USB drive is detected.

- Parameters can be programmed on the device via direct connection with USB cable to a PC or removable USB flash drive.
- Device must perform a daily automated self-test to confirm the presence, functionality, and expiration date of the pads as well as test the battery and electronics
- Device must perform a weekly automated self-test to confirm the presence and function of defibrillation pads, test the battery and electronics, as well as conduct a partial charge of the high voltage module.
- Device must perform a monthly automated self-test to confirm the presence and function of the defibrillation pads, test the battery and electronics, as well as full energy charge and discharge test to ensure device readiness for full-scale rescue attempts.
- Device shall meet EN 1789: Medical Vehicles and Their Equipment – Road Ambulances When Installed in a Secure Rack
- Device shall meet MIL-STD-810G, Method 516.5, Procedure 1 (40g) (1,000 Shocks both direction each axis: 6,000 shocks total).
- Device shall meet MIL-STD-810G Method 516.6, Procedure IV for a Free Fall Drop.
- Device shall meet MIL-STD-810G, Method 514.5, Procedure 1, Category 24, Helicopter Minimum Integrity for Sine Vibration.
- Device Shall Meet MIL-STD-810G, Method 514.5, Procedure 1, Category 24, General Minimum Integrity for Random Vibration
- Device shall provide 90 minutes of internal storage
- Device Battery shall typically be capable of providing 420 consecutive shocks at 300VE
- Device Battery shall typically be capable of providing approximately four years of standby performance at 20 degrees C to 30 degrees C
- Expected shelf life of a new battery shall be five years from the date of manufacture.
- AED shall incorporate a SmartGauge battery Status Indicator notifying the user of battery capacity during use in quarter life increments.
- Device shall have an 8 year warranty on defects in materials and workmanship.
- Device Battery shall have a full replacement operational guarantee for four years from the date of installation
- Device shall include an LED indicator when pads are improperly connected to the AED; cold, dried, damaged, or detached from the patient during a rescue.
- Distributor must have multiple warehouses
- Distributor's warehouses must have VAWD certification
- Distributor must have an in-state Account Manager who is licensed to instruct EMS by the State of Michigan
- Distributor must be an authorized EMS Distributor
- Distributor must have an on-line training source for continuing education credits at no cost to the customer
- On-Site training must be provided after the sale by a device manufacturer specialist.

**GENERAL REQUIREMENTS:** Bidder shall provide the following materials.

<b>Quantity</b>	<b>Cardiac Science Part #</b>	<b>Description</b>
7	G5S-01A-P	New Cardiac Science Powerheart G5Semi-Automatic AED, w/Case, Ready Pack, Single Language with 2 sets of pads # 2742-40002 and 1set of pads # 2742-40003
5	G5A-01A-P	New Cardiac Science Powerheart G5Semi-Automatic AED, w/Case, Ready Pack, Single Language with 2 sets of pads # 2742-26002 and 1set of pads # 2742-40003
7	2742-40002	Cardiac Science Powerheart Adult Intellisense Electrodes
7	2742-26002	Intellisense CPR Feedback Adult Defibrillation Pads, Powerheart G5 AED
1	3650-20002	G5 AED Trainer with iCPR

**ADDITIONAL BID SPECIFICATIONS**

**Warranty:** The manufacturer's warranty for the equipment shall be submitted in writing with the bid. The warranty shall provide for the replacement of all defective parts during the warranty period. Such replacement shall be performed at no cost to the City.