

**OBION COUNTY BOARD of EDUCATION**

**MATERIALS ONLY  
ELECTRICAL UPGRADES**

**South Fulton Middle/High School**

The Obion County Board of Education is now accepting bids for electrical upgrades at the school listed above.

## **BIDDER REPRESENTATION**

Each bidder by submitting their bid represents that:

1. They have read and understand the project documents and their bid is based in accordance thereof.
2. A representative of the bidder has visited the site and familiarized themselves with the local conditions under which the work is to be performed.
3. Their bid is based upon the materials, systems and equipment described in the project documents without exception.

## **DEFINITIONS**

1. A bid is a complete and properly signed proposal to do the work or designed portion thereof for the sum stipulated therein supported by data called for by the bidding documents.
2. Base bid is the sum stated in the bid for which the bidder offers to perform the work described as the base, to which work may be added or deducted for the sums stated in the alternate bids.
3. An alternate bid is an amount stated in the bid to be added to or deducted from the amount of the base bid if the corresponding change in project scope, materials, or methods of construction described in the bidding documents is accepted.
4. A price is an amount stated in the bid as a price per unit of measurements for materials or services as described in the contract documents.

## **PROCEDURES**

1. **Bids are to be submitted in duplicate.**
2. Bidder may list any voluntary alternatives on a separate bid form.
3. All copies of the bid shall be enclosed in a sealed envelope. The envelope shall be addressed to the owner, and identified with the words "**BID ENCLOSED ELECTRICAL UPGRADES 2018**" plainly written on the face thereof.
4. Bids are to be filled in by typewriter or manually in ink.
5. Bids are to be submitted to:  
OBION COUNTY BOARD of EDUCATION  
1700 NORTH FIFTH STREET  
UNION CITY, TENN. 38261
6. Bids are to be received by **APRIL 17, 2018 at 11 am.**
7. Bids will be opened immediately thereafter, at the above location.
8. The owner retains the right to reject any or all bids,
9. It is the intent of the owner to award this project to the lowest reasonable bidder, provided the bid has been submitted in accordance with the requirements of this document, is judged to be reasonable, and does not exceed the funds available for this project.
10. Bid is to be signed by persons legally authorized to bind the bidder to a contract.

## **GENERAL CONDITIONS**

**OWNER:** The owner is the person or entity identified as such in the owner-contractor agreement and is referred to throughout as if singular in number and masculine in gender. The term owner means the owner or his authorized representative.

The contractor warrants to the owner that all materials furnished under this contract will be new unless otherwise specified, and that all materials will be of good quality. The warranty period shall be for one year from the acceptance of the completed work. All extended warranties offered by the manufacturer shall be effective until such limits expressed by the manufacturer have expired.

The supplier, upon being awarded the bid, shall submit for the owners' information an estimated progress schedule for the delivery of materials.

## **SITE INSPECTION**

**Prior to submitting a bid, each bidder is to schedule a site inspection with the owners representative (Phil Graham) at least 5 (five) working days prior to the bid opening date.**

## **PAYMENT OF CONTRACT**

All materials will be processed for payment using the Board of Education customary payment protocol.

## **MATERIALS**

### **2- Panel Board**

**Each panel must have the following characteristics**

**Single section panel**

**42 circuit**

**225 amp**

**208/120v**

**3 phase**

**4 wire**

**Copper bus bars**

**10k A1C**

**200A 3PEDB MAIN**

**Bottom feed**

**Surface mount**

**200 % rated neutral 2 lugs (300 MCM)**

**Separate ground bar**

**42-20 amp 1 pole BAB breakers**

**Surge protective device**

**I20 KA-5PD series**

**NEM1 Enclosure**

### **2- 100 amp branch breaker**

**For existing Cutler/Hammer Power-R-Line**

**Switch gear**

**Breaker # EHD 3100**

### **2-Transformer**

**Cat. No. V48M28T75EE**

**General purpose vented**

**75.0 KVA 3 phase dry type transformer**

**60 HZ 150C temp rise type DOE2016K13**

**Primary voltage 480 volt**

**Secondary voltage 208/120**

**Electrostatic shield**

**Transformer must have multi-tap secondary**

**Must be UL approved and meet requirements of NEMA ST-20**

### **2-Neutral bar separate from ground bar**

### **2- 600 v non-fusible disconnect**

**Side arm**

**100 amp**

**3 phase w/ ground bar**

**600 ft- 3" EMT conduit**

**60 each- 3" EMT conduit set screw coupling**

**10 each- 3" EMT conduit set screw connectors**

**4 each- 3" EMT Factory 90's**

**4 each- 3" EMT Factory 90's long radius**

**4 each- 3" Rigid couplings**

**50 ft - 3" Greenfield**

**10 each-3" Greenfield straight connectors**

**6 each- 3" Greenfield 90 degree connectors**

**12 each- 3" Bushings**

**2 each- 6"x6"x48" wire trough with cover**

**2 each- 18"h x 24"w x 8"d indoor junction box with cover**

**6 each- 300 MCM lugs**

**10 each-#2 Lugs**

**6 each- 2" x 3" long rigid nipples**

**25 each- 2" lock nuts**

**15 each- 2" bushings**

**1800 ft- 3/4" EMT conduit**

**150 each- 3/4" EMT set screw couplings**

**75 each- 3/4" EMT set screw connectors**

**36 each- 4" SQ box (w 3/4" and 1/2" ko's) 2" deep**

**12 each- 4" SQ box extension rings (w 3/4" and 1/2" ko's)**

**36 each- 4" SQ box blank covers**

**600 ft- 300 MCM copper**

**75 ft- 2/0 copper wire THW or THWN**

**3600 ft- #2 copper wire THW or THWN**

**600 ft- # 4 copper wire THW or THWN**

**4000 ft- #12 THHN stranded Black**

**4000 ft-# 12 THHN stranded Red**

**4000 ft- #12 THHN stranded Blue**

**4000 ft- #12 THHN stranded Green**

**2000 ft- #8 THHN stranded White**

**1000 ft- #10 THHN stranded White**

**1 each- 3” drag out**

**1 each- Bucket wire lub**

**6 each- Polaris connector side by side-2 pole for 300 MCM (minimum)**

**15 each- Polaris connector side by side- 2-pole for #2 THNN (minimum)**

**15 each- 2/0 Lugs**

**3 rolls- white tape**

**8 rolls-green tape**

**60- 3” EMT unistrut clamps**

**1- 3” mouse**

# BID FORM

Date:

To: Obion County Board of Education  
1700 North Fifth Street  
Union City, Tennessee 38261

From: (Name of Bidder)  
(Address of Bidder)  
(City, State, and Zip code)

For: Electrical Upgrades (materials only)  
Obion County Schools  
Union City, Tennessee

The undersigned, as Bidder, hereby declares that the only person, or persons, interested in the Bid as principal or principals, is or are, named herein and that no other person than herein mentioned has any interest in this Bid or in the contract to be entered into; that this Bid is made without connection with any other person, company or parties, making a bid, and it is in all respects fair and in good faith without collusion or fraud.

The Bidder further declares that he has examined the site of the work and informed himself fully in regard to all existing conditions pertaining to the places where the work is to be done, that he has examined the Bidding Documents relative to the work to be performed and that his bid is based upon, without exception.

The Bidder may list voluntary alternates on the second page of this form.

The bids shall be submitted in **DUPLICATE**. All bids shall be enclosed in a sealed envelope. The envelope shall be addressed to the owner, and identified with the words "**BID ENCLOSED, MATERIALS ONLY ELECTRICAL UPGRADES, OBION COUNTY SCHOOLS 2018**" plainly written on the face thereof.

**Bids shall be filled in by typewriter or manually in ink.**

The bidder, if awarded a contract, and assuming receiving a Notice of Award or a Notice to Proceed within 10 calendar days of the bid date hereby agrees to commence work under this contract on or before the date specified herein and to achieve Substantial Completion of the project on or before \_\_\_\_\_ calendar days..

## **SOUTH FULTON MIDDLE SCHOOL AND SOUTH FULTON HIGH SCHOOL**

The bidder agrees to supply all materials listed on the bidding documents for a lump sum price of:  
\_\_\_\_\_ dollars.

(written amount)

\$ \_\_\_\_\_

(numerical amount)

### VOLUNTARY ALTERNATE

Voluntary Alternate #1: Add \$ \_\_\_\_\_ Deduct \$ \_\_\_\_\_  
(description of alternate)

\*Must include supporting documents with bid \*

The Bidder agrees that his bid may not be withdrawn for a period of 60 calendar days after the scheduled closing time for receiving bids.

The Bidder acknowledges by his signature that the Owner reserves the right to reject any and all bids (especially those irregular or inconsistent in content), to evaluate bids and to accept any bid or bids that, in his opinion, may be in the best interest of the Owner.

**The bidder acknowledges by his signature below that the Owner reserves the right to reject any/or all bids, especially any bids that appear to be irregular in nature or inconsistent in content. The bidder further acknowledges that the Owner has the right to evaluate bids and to accept any bid or bids which, in his opinion, may be in his best interest.**

By: \_\_\_\_\_ Title: \_\_\_\_\_  
(signature)  
\_\_\_\_\_ Date: \_\_\_\_\_  
(print)

Firm Name:

State of Incorporation

Mailing address:  
(P.O. Box and/or street address)  
(City, State, and Zip Code)  
Telephone Number:  
Fax number

Contractors License No: (if applicable)

Expiration Date:

Document prepared by  
Phil Graham  
Director Building and Grounds  
*Right protected*



