

OBION COUNTY BOARD of EDUCATION

**MATERIALS ONLY
ELECTRICAL UPGRADES**

**LAKE ROAD ELEMENTARY SCHOOL
HILLCREST ELEMENTARY SCHOOL**

The Obion County Board of Education is now accepting bids for electrical upgrades at schools 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**" 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 27, 2016 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

4- Panel Board Type AQ (101)

Each panel must have the following characteristics

**Single section panel
Bottom feed
Surface mount
42-circuits
3 phase 4 wire 208Y/120 volt 10 KA1C
200 amp TQD main
1 lug/PH 1 cable/lug #1 -300 MCM
42- 20A 1 pole THQB breaker
1 copper bus heat rated
1 200% rated neutral-2 lugs (300 MCM)
ME, 65 KA/mode, 130 KA/phase (TVSS)
TPME 120Y06AS
3 ground box bonded TGL2
1-AB55B box
1-AF55S front
1-AQF3422ABX interior AXB7N2T6**

4-Safety Switch 131

**THN3363
For use with size 10-1/0 copper wire
Heavy duty 100 amp no fuse 3 pole 3wire
600 VAC/250VDC NEMA1 (indoor)**

4-Transformer TY

**9T11A1004G03
75.0 KVA 3 phase dry type transformer
60 HZ 150C temp rise type DOE2016K13
Primary voltage 208Y/120
Electrostatic shield
Transformer must have multi-tap secondary
Must be UL approved and meet requirements of NEMA ST-20**

4-100 AMP 600 Volt type QMR

Single mount fusible unit for GE-AV-Line-switchboard

**20- 100 amp fuses (time delay) comparable to a TRS100R time delay fuse
100 amp 600 volt**

1100 ft- 3" EMT conduit

110 each- 3" EMT conduit set screw coupling

25 each- 3" EMT conduit set screw connectors

10 each- 3" EMT Factory 90's

6 each- 3" EMT Factory 90's long radius

12 each- 3" Rigid couplings

80 ft - 3" Greenfield

20 each-3" Greenfield straight connectors

10 each- 3" Greenfield 90 degree connectors

36 each- 3" Bushings

4 each- 6"x6"x48" wire trough with cover

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

6 each- 300 MCM lugs

10 each-#2 Lugs

12 each- 2" x 3" long rigid nipples

50 each- 2" lock nuts

25 each- 2" bushings

500 ft- 3/4" EMT conduit

50 each- 3/4" EMT set screw couplings

25 each- 3/4" EMT set screw connectors

24 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)

24 each- 4" SQ box blank covers

1200 ft- 300 MCM copper

150 ft- 2/0 copper wire THW or THWN

3600 ft- #2 copper wire THW or THWN

1200 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

2000 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/O Lugs

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 preformed 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**" 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..

LAKE ROAD ELEMENTARY SCHOOL AND HILLCREST ELEMENTARY 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 Undersigned hereby affirms and states that the prices quoted herein constitute the gross total cost for the materials involved in the respective items and that this cost also includes taxes, insurance, royalties, transportation charges, overhead, profits and other services, and conditions necessarily involved in the supply of materials required.

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: _____ Contractors License No: (if applicable) _____
(P.O. Box and/or street address)
(City, State, and Zip Code) _____
Telephone Number: _____ Expiration Date: _____
Fax number _____

Document prepared by
Phil Graham
Director Building and Grounds
Right protected