SCOPE OF WORK (Exhibit A)

Revised 5-24-2023

PROJECT NUMBER: 2223-51MJ	**PROJECT NAME:** Provide, Deliver, & Install LED Signs at Elementary Schools – Phase 2

The following information and terms and conditions are provided specific to the project identified in this contract:

DISTRICT PROJECT MANAGER:	Name: Amber Barnhill Telephone: 843-488-6878 Fax: 843-488-6714 E-mail: abarnhill@horrycountyschools.net Mobile: 843-446-8096
OTHER PROJECT REPRESENTATIVE(S):	Name: Telephone: Fax: E-mail: Mobile:
CONTRACTOR'S PRINCIPAL/OWNER:	Name: Telephone: Fax: E-mail: Mobile:
CONTRACTOR'S PROJECT MANAGER: (if required)	Name: Telephone: Fax: E-mail: Mobile:
CONTRACTOR'S WORKSITE SUPERINTENDENT:	Name: Telephone: Fax: E-mail: Mobile:
APPROVAL OF CONTRACTOR USE OF DISTRICT FACILITIES (as checked):	☒ Water ☒ Electrical Power ☐ Restroom Facilities ☐ Vending Machines ☐ Debris and Recycle Containers ☐ Other: ☐ No use of District facilities allowed.
LIQUIDATED DAMAGES:	$ 500.00 per day
RETAINAGE TO BE WITHHELD:	☒ 3.5% from every payment until final completion of the work in accordance with the contract documents ☐ None
CONSTRUCTION WORKSITE MEETINGS HELD:	☒ Weekly ☐ Every Two Weeks ☐ Twice Monthly ☐ Once Monthly
SOURCE OF PROJECT FUNDS:	☐ Federal Source ☒ Other Sources (non-Federal)
CONTRACTOR WARRANTY TERMS:	☐ 60 days ☐ 90 days ☐ 180 days ☒ 365 days (1 year) ☐ 730 days (2 years)

The Contractor shall provide, at the time the *Contract Agreement* is executed by the Contractor and returned to the District, the following checked items:

- ☒ A copy of business licenses valid in the jurisdiction where the construction work will be performed for the Contractor.
- ☐ A copy of contractor licenses issued by the South Carolina Licensing and Regulation Board for the Contractor and each subcontractor.
- ☒ A valid, original Certificate of Insurance.
- ☒ SLED checks maintained in the Contractor's file on all Contractor and subcontractor employees, agents and representatives who will access the worksite during performance of the construction work or other services. (Do not submit to the District until requested.)
- ☐ Certification of Approved Installer (on manufacturer's, fabricator's or supplier's letterhead) for
- ☒ Other: A copy of electrician contractor licenses issued by the South Carolina Licensing and Regulation Board for the Contractor
- ☐ Other:

PERMITS, INSPECTIONS, APPROVALS OF REGULATORY AUTHORITY AND ASSIGNED RESPONSIBILITY:

The Contractor is to submit plans of all work to be performed to the appropriate city and/or governmental agency for approvals. The Contractor is responsible for obtaining any required permits for this project, and for covering the cost of any fees and/or permits for all government and/ or city agency requirements.

The contractor will have to get approval from the City of Conway and Horry County Government of Planning and Zoning Department to make sure there are no constraints allowed.

PRODUCT:

Product information is listed below. The Contractor is responsible for submitting a price for six different options for signs with color LED message center on both sides. Designs for the six different options are included and are referenced in Exhibit B. ***Please note that the school names and addresses shown on the designs and in the "Main Cabinet" specifications below are for reference only. The name and/or address of the actual facility where the sign is located shall be provided.***

TYPE 1 Example - Omitted

TYPE 2 Example (Pee Dee Elementary School design to be used at Palmetto Bays Elementary):

- Provide Watchfire 16mm colored LED display with broadband communication (72x144 matrix shown) on both sides.

SPECIFICATIONS:

MAIN CABINET:

- Fabricated aluminum sign cabinet and side décor with flat aluminum faces with cut-out for LED displays as shown (~~non~~-illuminated).
- Side décor to have textured paint finish and score line to mimic/match black décor
- ¼" plate aluminum cut out letters (as shown). Please note, the school name will be PALMETTO BAYS ELEMENTARY SCHOOL.
- ¼" plate aluminum cuter out bee shape with digitally printed graphics as shown. Please note, the bee will be changed on the school mascot.
- Letters and "Wolf" shape mount flush against cabinet faces as required.
- LED internal illumination (typical)

LED DISPLAY:

- Watchfire 16mm color LED displays (72x144 matrix, 4'-5" x 8'-3" cabinets) with broadband communication.

INSTALLATION & ELECTRICAL:

- Remove existing letter and panels (dispose)

- Clean (power wash) existing base as required.
- Paint top décor (to match new added décor), Owner to confirm colors.
- Install cabinet, décor and display as shown. Please note, the décor and display will change to inspire Palmetto's Bays colors and mascot.
- NOTE: LED displays mount on street end of each side.
- Signage to be wired for 120V (unless specified otherwise)
- Circuits: (2) 120V; (1) 20A with photocell for lamp, (1) 30A for EMC
- 5 AMPS required for school name cabinet.
- 16 AMPS required for EMC.
- (2) GE 96W power supplies
- (20) 42" Linefit LED Lamps
- Final connection to primary electrical system to be included.
- The existing power for the sign is fed from panel 2H #20 in the electrical room in the cafeteria. The voltage is 277, single phase 20 amp and is controlled by the parking lot lights. **This information is for reference only. It is still the contractor/vendor's responsibility to verify the existing power and to provide appropriate power connection(s) for the new sign.**
- The sign contractor will be responsible for a meter base.
- In Exhibit B, see the existing electrical site plan (Attachment A1).

INSTALLATION & SUPPORTS:

- Installation and support shall be proper of the type of sign being installed as well as complying with applicable zoning requirements.

ADDITIONAL NOTES:

- Type 2 drawing and specifications per the attached sheet (Attachment A)
- Remove and dispose of existing sign per the attached sheets (Attachment A2).
- At the existing sign, disconnect power and blank off any open conduits or boxes.
- The temperature probe and conduit for the sign shall be installed on the end of the sign facing the school.
- The location for the new sign will be placed where the existing sign is located now.

TYPE 3 Example (Carolina Forest High School design to be used at Ocean Bay Elementary, Riverside Elementary and Seaside Elementary):

- Provide Watchfire 16mm colored LED display with broadband communication (54x162 matrix shown) on both sides.

SPECIFICATIONS:

MAIN CABINET:

- Fabricated aluminum sign cabinet and trim (2" square tube + 3" square tube + 2" x 2" x 3/16" aluminum angle frame).
- For Riverside School - Routed .125 aluminum faces routed with 3/4" clear acrylic push-thru text with translucent vinyl on letters for "RIVERSIDE ELEMENTARY SCHOOL" letters.
- For Seaside Elementary School - Routed .125 aluminum faces routed with 3/4" clear acrylic push-thru text with translucent vinyl on letters for "SEASIDE ELEMENTARY SCHOOL" letters
- LED internal illumination (typical)

LED DISPLAY:

- Watchfire 16mm color LED displays (54x162 matrix, 3'-5" x 9'-3" cabinets) with broadband communication.

BRICK BASE:

- New brick base included in scope.
- Brick color will be approved by Owner PRIOR to installation.

ELECTRICAL:

- Signage to be wired for 120V (unless specified otherwise)
- Circuits: (2) 120V; (1) 20A with photocell for lamp, (1) 30A for EMC
- 5 AMPS required for school name cabinet
- 16 AMPS required for EMC
- (2) GE 96W power supplies
- (20) 42" Linefit LED Lamps
- Final connection to primary electrical system to be included.
- In Exhibit B, see the existing electrical site plan for Ocean Bay Elementary (Attachment C).
- OBE - The existing power feds from panel RC #20 in electrical room 111A. The voltage is 120. There are no flood lights at the sign, and it is separate from the parking lot lights. T**his information is for reference only. It is still the contractor/vendor's responsibility to verify the existing power and to provide appropriate power connection(s) for the new sign.**
- In Exhibit B, see the existing electrical site plan for Riverside Elementary (Attachment D).
- RSE - The existing power for the sign is fed from electrical room 111. The voltage is 277 to flood lights. The flood lights are not connected to the parking lot lights. **This information is for reference only. It is still the contractor/vendor's responsibility to verify the existing power and to provide appropriate power connection(s) for the new sign.**
- In Exhibit B, see the existing electrical site plan for Seaside Elementary (Attachment E).
- SSE – Does not have power or lights at the existing sign.
- SSE - The sign contractor will be responsible for a meter base.

INSTALLATION:

- (See TYPE 3 foundation page)
- FOUNDATION: (1) 6'-0" x 17'x0" x 1'-0" deep & (2) 9'-0" x 5'x0" x 1'-4" deep
- SUPPORTS: (2) 6" dia. X SCHD 40 wall

ADDITIONAL NOTES:

- Type 3 drawing and specifications per the attached sheet (Attachment B and B1)
- Remove and dispose of existing sign at Riverside Elementary per the attached sheets (Attachment D1).
- Remove and dispose of existing sign Seaside Elementary.
- At the existing signs, disconnect power and blank off any open conduits or boxes.
- The temperature probe and conduit for the signs shall be installed at the end of the signs facing the school for Riverside and Seaside Elementary.
- The location for the new sign will be placed where the existing sign is located now except for Seaside Elementary, which is shown on the attached sheet (Attachment G).

TYPE 4 (To be used at Ocean Drive Elementary (ODE) and Waterway Elementary (WWE)):

- Provide Watchfire 16mm colored LED display with broadband communication on both sides.

SPECIFICATIONS:

LED DISPLAY:

- Watchfire 16mm color LED displays to fit within maximum 41" x 8'-1/4" for ODE and 8' x 2" for WWE with a custom matrix to fit within, with broadband communication.

ELECTRICAL:

- Signage to be wired for 120V (unless specified otherwise)
- Circuits: (2) 120V; (1) 20A with photocell for lamp, (1) 30A for EMC
- 5 AMPS required for school name cabinet
- 16 AMPS required for EMC
- (2) GE 96W power supplies
- (20) 42" Linefit LED Lamps
- Final connection to primary electrical system to be included.
- In Exhibit B, see the existing electrical site plan for Ocean Drive Elementary (Attachment F).
- ODE - The existing power for the sign is fed from panel P1 #42 breaker in the electrical room near the chiller and generator. The voltage is 120 at the sign. There are no flood lights and it's not connected to the parking lot lights. **This information is for reference only. It is still the contractor/vendor's responsibility to verify the existing power and to provide appropriate power connection(s) for the new sign.**
- In Exhibit B, see the existing electrical site plan for Waterway Elementary (Attachment G and G1).
- WWE - The existing power for the sign is fed from storage room beside mailroom by exterior double doors. The voltage is 120 at the sign. There are no flood lights and it's not connected to the parking lot lights. **This information is for reference only. It is still the contractor/vendor's responsibility to verify the existing power and to provide appropriate power connection(s) for the new sign.**

INSTALLATION & SUPPORTS:

- Installation and support shall be proper of the type of sign being installed as well as complying with applicable zoning requirements.

ADDITIONAL NOTES:

- Remove and dispose of the letter marquee on both sides.
- Pressure wash existing sign.
- Patch holes with tinted caulk from the removal letter marquee.
- At the existing signs, disconnect power and blank off any open conduits or boxes.
- Provide 6" numbers for the address centered above or below the school's name at ODE and WWE. The color for the letters and numbers will match the existing letters.
- The temperature probe and conduit for the sign shall be installed on the end of the sign facing the school.
- In Exhibit B, see the existing site plan for Waterway Elementary (Attachment G2).

The project will include the following alternates:

Alternate #1: TYPE 5 (To be used at Waccamaw Elementary):

- Provide Watchfire 16mm colored LED display with broadband communication on both sides.

SPECIFICATIONS:

LED DISPLAY:

- Watchfire 16mm color LED displays (approximately 41" x 8'-1/4" cabinets) with broadband communication. Provide LED displays for both sides of the sign.

ELECTRICAL:

- Signage to be wired for 120V (unless specified otherwise)
- Circuits: (2) 120V; (1) 20A with photocell for lamp, (1) 30A for EMC
- 5 AMPS required for school name cabinet.
- 16 AMPS required for EMC
- (2) GE 96W power supplies
- (20) 42" Linefit LED Lamps
- Final connection to primary electrical system to be included.

INSTALLATION & SUPPORTS:

- Installation and support shall be proper of the type of sign being installed as well as complying with applicable zoning requirements.

ADDITIONAL NOTES:

- Remove and dispose of the letter marquee on both sides.
- Pressure wash existing sign.
- Patch holes with tinted caulk from the removal letter marquee.
- At the existing signs, disconnect power and blank off any open conduits or boxes.
- ~~Provide 6" numbers for the address centered above or below the school's name. The color for the letters and numbers will match the existing letters.~~
- The temperature probe and conduit for the sign shall be installed on the end of the sign facing the school.
- In Exhibit B, see the existing site plan for Waccamaw Elementary (Attachment H).
- In Exhibit B, see the existing sign plan for Waccamaw Elementary (Attachment H1).
- In Exhibit B, see the existing sign plan for Waccamaw Elementary (Attachment H2).

Alternates # 2 (CES) and 3 (HES): Conway Elementary (CE) and Homewood Elementary (HE):

- Follow Type 3 signs for Conway and Homewood Elementary. However, it needs to be reduced proportionally to comply with the City of Conway zoning.
- The colors for the brick, sign and letters will be approved by Owner.
- In Exhibit B, see the existing electrical site plan for Conway Elementary (Attachment I).
- CE - The existing power for the sign is fed from inside the electrical room past the front office. It's circuit CS-24, 30 amp, 2 pole, 3 wire 120/208. The flood lights are not connected to the parking lot lights. **This information is for reference only. It is still the contractor/vendor's responsibility to verify the existing power and to provide appropriate power connection(s) for the new sign.**
- In Exhibit B, see the existing sign plan for Conway Elementary (Attachment I1).
- In Exhibit B, see the existing electrical site plan for Homewood Elementary (Attachment J).
- HE - The existing power for the sign is fed from outside electrical room by the generator. The voltage is 277. The flood lights are connected to the parking lot lights. **This information is for reference only. It is still the contractor/vendor's responsibility to verify the existing power and to provide appropriate power connection(s) for the new sign.**
- In Exhibit B, see the existing sign plan for Homewood Elementary (Attachment J1).

Alternate #4: Conway High:

- Enlarge the LED signage area to the outside of the two existing support posts and comply with the sign area allotted by the zoning District.
- Watchfire 16mm color LED displays (approximately 41" x 10'-3" cabinets) with broadband communication.
- In Exhibit B, see the existing electrical site plan for Conway High (Attachment K).

- In Exhibit B, see the existing site plan for Conway High (Attachment K1).
- The existing power is fed from a meter on a pole close to the sign. **This information is for reference only. It is still the contractor/vendor's responsibility to verify the existing power and to provide appropriate power connection(s) for the new sign.**

~~**Alternate #5: River Oaks Elementary:**~~

- ~~Change the sign from fiberoptic to broadband communication.~~
- ~~In Exhibit B, see the existing electrical site plan for River Oaks Elementary (Attachment L).~~
- ~~In Exhibit B, see the existing site plan for River Oaks Elementary (Attachment L1).~~

In addition, the following items/services are to be included:

a. Remove, replace and/or install new LED message center as shown on the plans.
b. Provide a 5-year warranty on electronic message center parts and 1-year on parts and labor on the sign.
c. Once installed, response and/or repair time should occur within 48 hours of notification from the District during the warranty period.

Below is the list of the school and addresses that will receive either a new or reworked electronic message sign.

1. Palmetto Bays Elementary School – 8900 Highway 544, Myrtle Beach, SC 29588
2. Ocean Bay Elementary School – 950 International Drive, Myrtle Beach, SC 29579
3. Ocean Drive Elementary School – 901 11th Ave. N, North Myrtle Beach, SC 29582
4. Riverside Elementary School – 1283 Highway 57, S., Little River, SC 29588
5. Seaside Elementary School – 1605 Woodland Drive, Garden City, SC 29576
6. Waterway Elementary School – 700 Sandridge Road, Little River, SC 29566

Alternates:

~~1. River Oaks Elementary – 700 Augusta Plantation Drive, Myrtle Beach, SC 29579~~
1. Waccamaw Elementary – 251 Claridy Road, Conway, SC 295261
2. Conway Elementary – 1101 Snowhill Drive, Conway, SC 29526
3. Homewood Elementary – 108 N. Clemson Circle, Conway, SC 29526
4. Conway High – 2301 Church Street, Conway, SC 29526

It is important and your responsibility to familiarize yourself and comply with the City of Conway and Horry County Government as it pertains to signage.

DETAILED DESCRIPTION OF WORK TO BE PERFORMED:
Contractor to include a general contingency of allowance of $40,000 for total project.

All costs associated with needed power are the responsibility of the Contractor.

The Contractor will remove and dispose of the existing top cabinet and marquee cabinet prior to the installation of the LED displays, where it is required. It is the responsibility of the Contractor to prevent moisture from infiltrating the LED sign. The message centers are not to be placed on the ground. One grounding rod is to be installed as close as possible to the displays and be bonded to both displays.

The manufacturer of the LED display is to include training at no additional cost onsite or via webinar for assistance in programming the sign and confirming communication between the displays and the computer that is selected by the School District to control the sign. **The contractor is to provide a professional IT technician for the initial set up.**

The Contractor must provide waste removal needed for this project. Daily cleanup and removal of waste materials is required. Materials and debris will not be left on the premises and will be removed at the end of each working day.

Payment will be provided according to terms listed in this contract.

The Contractor is responsible for identifying any and all utility locations. **Private locates will be required**. Call 811 before you dig. **811 will not locate lines on School District property.**

Any interruption to School District utilities must be repaired immediately, and any and all repairs must be made on or before the close of business on the day the interruption occurs.

All items needed are to be provided by Contractor. This project will be a turnkey job.

CONSTRUCTION SCHEDULE:

The Contractor will have 125 days to complete this project. The time will begin once the contractor has received an executed contract and purchase order. It will be the Contractor's responsibility to review, understand and follow the contract documents and to comply with all guidelines, if any delays occur. It is not the District's responsibility to remind the Contractor of his obligations.

The Contractor and District agree to this Scope of Work and other terms identified herein as an integral part of the *Contract Agreement*.

End of Exhibit A