



## **Statement of Work**

**Tennessee Rehabilitative Initiative in  
Correction  
(TRICOR)**

**Prison Industry Enhancement Partner  
(Shaw Floors)**

**BLED SOE COUNTY  
CORRECTIONAL COMPLEX  
(BCCX)**

**Tennessee Department of Corrections  
(TDOC)**

**BCCX WOODSHOP ELECTRICAL  
LIGHTING REPAIR**

**August 4, 2017**

## Document Information

	Information
Document ID	8000915
Document Owner	Tennessee Rehabilitative Initiative in Correction (TRICOR)
Issue Date	August 1, 2017
Last Saved Date	
File Name	BCCX Woodshop Electrical Repair

## Document History

Version	Issue Date	Changes
1.0	07 May 2017	Original Issue
1.5	06 July 2017	Change performance criteria

## Document Approvals

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## **1 Definitions:**

AIC:	Amps Interrupting Capacity
HPS:	High Pressure Sodium
KAIC:	Kilo Ampere Interrupting Capacity SO -
MLO	Main Lug Only
SO:	600 volt service cord with Oil resistant jacket
TDOC:	Tennessee Department of Correction
TRICOR:	Tennessee Rehabilitative Initiative in Correction

## **2 Introduction**

Request for Firm Quote per Statewide Contract 700 – Electrical Services, to modify the existing bus rail lighting circuitry in the wood flooring plant to bring up to National Electric Code (NEC) and Tennessee Occupational and Health Administration (TOSHA) requirements.

This Firm Quote per Statewide Contract 700 – Electrical Services consists of two (2) separate and distinct options to be quoted. The choice of which option to award being at the sole discretion of TRICOR in representing its business partner, Shaw.

## **3 Existing Condition**

The existing service to the electric rails (five (5) total) are fed from Panel CL, 1200 Amp, 120/208 volt I-Line style panelboard. There are five (5) one hundred (100) Amp, three (3) Pole breakers serving the copper electric rails located above the work areas on the floor and are oversized for the bus being served. Breakers are molded case Square D breakers of different series with various AIC ratings from ten (10) KAIC up to twenty-five (25) KAIC. The main breaker in the panel is a twelve hundred (1200) Amp Molded case breaker NA361200 with a fifty (50) KAIC rating. The panel and breakers appear to be in good working order and should provide another twenty (20) years of reliable service with proper maintenance. Each electric rail is a sixty (60) Amp, three (3) Phase, three (3) Bus Bar configuration. The bus has been modified to provide one hundred twenty (120) volt lighting at the workstations. Each workstation is equipped with a one hundred fifty (150) watt High Pressure Sodium flood light suspended on SO cord from the Bus above. The SO cord is terminated in a junction box which is attached to the bus bar by screws. There is no strain relief on the SO cord at the point of connection. Each electric rail has been modified to provide two (2) sixty (60) Amp, one hundred twenty (120) volt circuits with the center bus bar being used as a neutral.

## **4 Scope of Work**

### **Reuse Existing One Hundred Fifty (150) Watt HPS fixtures**

Reuse Existing One Hundred Fifty (150) Watt HPS fixtures with the high in-rush current amps of four and one half (4.5) Amps per fixture at one hundred twenty (120) volt per light fixture, twenty one (21) fixtures per row for an estimated one hundred five (105) fixtures total it will be required to place only three (3) fixtures on a twenty (20) Amp, one (1) pole, one hundred twenty (120) volt circuit. Total load equals an estimated one hundred fifty

seven point four (157.4) starting Amps at two hundred eight (208) Volt, three (3) phase. There is insufficient room in the existing panel to provide the required thirty-five (35) new twenty (20) Amp, one (1) pole breakers to serve all the existing HPS flood lights.

- Remove the existing five (5) electric rails completely including feeders from panel. Reuse existing raceway where possible for new circuitry.
- Remove the existing five (5) one hundred (100) Amp, three (3) Pole breakers serving the rails and provide blank covers.
- Provide a new two hundred twenty five (225) Amp, three (3) Pole breaker in existing panel. Match existing Manufacturer, AIC rating, etc.
- Provide a new programmable forty-two (42) circuit, two hundred twenty-five (225) Amp MLO smart panel located adjacent to the existing panel. New panel shall be equal to Eaton Pow-R-Command seven hundred fifty (750) with thirty-five (35) twenty (20) Amp, one hundred twenty (120) volt smart breakers.
- Route seven (7) twenty (20) Amp, one hundred twenty (120) volt circuits in place of each electric rail run, total of five (5) runs. Install junction boxes at each 'SO' cord drop for lighting fixtures. Reuse existing fixtures. Divide the light fixtures evenly across the circuits, maximum of three (3) fixtures per circuit due to In-rush current requirements of each fixture.
- Provide strain relief on each 'SO' cord drop.

## **5 Responsibilities**

Listed below are specific responsibilities for completion of this project but are in no way to be considered all inclusive. Successful bidder is to follow all requirements of State Wide Contract #700 which will supersede any listed requirements in this scope of work unless stated requirement is more stringent.

### **5.1 Contractor Responsibilities**

The successful bidder is responsible for procuring all materials, tools and equipment necessary to complete above scope of work, and for ensuring all conditions of Firm Quote per Statewide Contract 700 – Electrical Services are followed in regards to estimate, pricing, invoicing and documentation. In addition, employees, suppliers, and management of successful bidder must submit to all security requirements of TDOC prior to entering secure perimeter to perform any work, delivery of materials and equipment, or inspections of site.

### **5.2 State's Responsibilities**

TRICOR is responsible for acting as liaison between all parties affected by this scope of work and coordinating schedule on behalf of successful bidder with TDOC and TRICOR's business

partner (Shaw) to ensure access to jobsite, security escort, and communication. TRICOR is further responsible to abide by conditions of Firm Quote per Statewide Contract 700 – Electrical Services in relation to executing said contract, to include documents, Purchase Orders and payment of invoices, submitted by successful bidder.

## 6 Terms of Supply

This entire scope of work is to be performed Thursday September 14 thru Monday September 18, between the hours of 7:00 am central daylight time (CDT) and 7:00 pm (CDT) each day. The site must be kept safe, secure and all tools accounted for. Contractor must provide an estimated schedule of days/hours to complete with submission of the Firm Quote per Statewide Contract 700 – Electrical Services. The site is to be made ready for plant operation the following Tuesday morning at 7 AM CDT. Any contingencies to timeline must be included.

### 6.1 Acceptance Criteria

#### AWARD CRITERIA

An award shall be made to the lowest responsive and responsible bidder considering the following criteria. Incomplete bids or bids not in compliance with this SOW or Statewide Contract 700-Electrical Services will not be considered.

50% Ability to perform per schedule\*

50% Price

1. Work is to be performed Thursday September 14 – Monday September 18 between the hours of 7am – 7pm. Bidder must include dates and total hours estimated for completion in response. Please include any contingencies to the requested timeline.

#### Performance Bond:

A performance bond is required at one hundred percent (100%) of the job cost **if the total cost is above \$50,000.00**. The Central Procurement Office (CPO) will maintain the bond and provide your agency with a copy. Performance bonds must be provided within ten (10) business days of request; The CPO procurement support team will maintain the original bond. Vendors should send the original bond to the Central Procurement Office (Central Procurement Office Tennessee Tower, 3 rd Floor, 312 Rosa L. Parks Avenue, Nashville, TN 37243.

### 6.2 Payment Milestones

Invoicing requirements to follow the terms and conditions of Statewide Contract 700 – Electrical Services. The “Job Log Contractor Sign-in Sheet” must be completed during the work process.

### **6.3 Other Contractor Requirements**

The successful bidder is to acquire all necessary permits, licenses and certifications required for compliance with local, State, and Federal regulations and to present said items upon request by TRICOR, Shaw, and/or TDOC management. Each employee of the successful bidder must undergo a background check per TDOC regulations prior to be granted access to the facility, the cost of which is the sole responsibility of the successful bidder. A detailed inventory list of all tools, raw materials and supplies must be submitted to TRICOR and approved by TDOC no less than three (3) business days prior to facility entrance. Any and all drawings, specifications, and warranties are to be transferred to TRICOR upon completion of project to include product manuals, and as-built drawings.

### **6.4 Terms**

The quote must be presented utilizing the states Price template, Attachment A. The Job Log must be completed daily and returned at completion of the work, Attachment B.



**State of Tennessee**  
**SWC #700 Electrical, HVAC, and Plumbing Maintenance and Repair**

**Price Template - Job Estimate and Firm Quote**

**Instructions:**

Estimates (for all non-emergency jobs under \$5,000):

- Part 1: Company Information/Job Information
- Part 2: Job Estimate; providing an estimate for each line for labor, trip charges, and parts as applicable
- Part 3: Specialty Job Requirements
- Part 5: Contractor Signature

Firm Quote\* (for all non-emergency jobs \$5,000 and over):

- Part 1: Company Information/Job Information
- Part 3: Specialty Job Requirements
- Part 4: Job Firm Quote
- Part 5: Contractor Signature

\*If a non-emergency job will be \$5,000 or over, a Firm Quote must be provided. Contractor may provide a breakdown of their Firm Quote for jobs over \$5,000 in Part 2, but the job price quoted in Part 4 will be the final job price in the event of changes in estimated quantities provided in Part 2.

Note: Per Section D.2.d. of the Specifications document, the End User reserves the right to request estimates from all Contractors awarded in their county or neighboring counties. The End User (and Contractor(s)) shall follow the instructions for "Estimates" and award to the Contractor who provides the lowest cost Estimate.

Note: Per Section D.4.F of the Specifications document, when an emergency job cost is \$5,000 or over, it is the discretion of the End User to request an Estimate or Firm Quote.

Note: Per Section F.4 of the Specifications document, a Firm Quote should be provided for preventative maintenance on HVAC systems.

PART 1: COMPANY INFORMATION / JOB INFORMATION (required)					
Company Name:				Company Contact Name:	
Contact Email:				Contact Phone Number:	
Date of Estimate/Quote:				Requesting Agency:	
Contract #:				Job Order #:	
Job Location:	County:			Requesting Agency Contact Name & Number:	
Job Description:					
Detailed Description of the Work to be Performed:					
Estimated Days to Start Job (after receipt of request):				Estimated Days to Complete Job:	
PART 2: JOB ESTIMATE (required for Estimate ONLY)					
ITEM	CONTRACT ITEM ID #	QUANTITY	UNIT	PRICE PER UNIT	EXTENDED PRICE
Technician, Regular Time			HR		\$ -
Helper, Regular Time			HR		\$ -
Technician, Premium Time			HR		\$ -
Helper, Premium Time			HR		\$ -
Trip Charge:			EA		\$ -
Parts & Materials**:			EA		\$ -
<i>Add additional lines as needed in attachment</i>				<b>Total Estimated Price for Job:</b>	\$ -
<i>**Add breakdown of parts and materials list in attachment**</i>					
PART 3: SPECIALTY JOB REQUIREMENTS (required)					
Will job require use of specialized equipment?				Will job require use of a Subcontractor?	
Will job require specialized work?				Will job require off-site work?	
<i>If you answered "yes" to any questions in Part 3, attach a detailed explanation.</i>					
PART 4: JOB FIRM QUOTE (required for Firm Quote ONLY)					
BRIEF DESCRIPTION OF WORK TO BE PERFORMED:				JOB PRICE	
Number of days Firm Quote is valid:					
PART 5: CONTRACTOR SIGNATURE (required)					
Contractor's Printed Name:					
Contractor Signature & Date:					





