



# City of Danville, Virginia

PO Box 3300  
Danville, VA 24543

427 Patton Street, Rm 304  
Danville, VA 24541

J. Gary Via, CPPO  
Director of Purchasing  
e-mail: [viajg@danvilleva.gov](mailto:viajg@danvilleva.gov)

Phone: (434) 799-6528  
Fax: (434) 799-5102  
e-mail: [purchasing@danvilleva.gov](mailto:purchasing@danvilleva.gov)

September 3, 2021  
REQUEST FOR PROPOSAL  
RFP 21-22-008

“Upgrade of Southside, Westover, and White Oak Substations”  
Addendum No. 3

Please note the following:

Several items have been modified.

1. Bid page for White Oak was modified to add removal of the Capacitor Bank.
2. Westover Removal Scope of Work was modified to indicate Circuit Switcher for Capacitor Bank would also be removed.
3. White Oak Removal Scope of Work was modified to more fully describe all removal units.
4. One of the transformers at Westover had to be moved over 3' to the west. Site Plan was revised to show this.

All other specifications remain the same.

J. Gary Via, Director of Purchasing

Company Name: \_\_\_\_\_ Signature: \_\_\_\_\_

Address: \_\_\_\_\_ Signature: \_\_\_\_\_

(Printed)

\_\_\_\_\_  
Title: \_\_\_\_\_

City State Zip Code

Date: \_\_\_\_\_ e-mail address: \_\_\_\_\_

Phone No: \_\_\_\_\_ Fax No: \_\_\_\_\_

**CITY OF DANVILLE  
DANVILLE, VIRGINIA  
Contractor's Bid Proposal**

<b>White Oak Substation – Install</b>		<b>Unit Prices</b>		
<b>Group</b>	<b>No. of Units</b>	<b>Labor</b>	<b>Materials</b>	<b>Labor &amp; Materials</b>
B. 69 kV Three-Pole GOAB Switches	3	\$	\$	\$
C. Lightning Arresters	6	\$	\$	\$
D. Single-Pole Disconnecting Switches	6	\$	\$	\$
E. Power Circuit Breaker	2	\$	\$	\$
G. Instrument Transformers	3	\$	\$	\$
J. Relay Equipment	Lot	\$	\$	\$
K. Conduit and Cable	Lot	\$	\$	\$
<b>TOTAL WHITE OAK INSTALL PRICE</b>				\$

<b>White Oak Substation – Removal</b>		<b>Unit Prices</b>		
<b>Group</b>	<b>No. of Units</b>	<b>Labor</b>	<b>Materials</b>	<b>Labor &amp; Materials</b>
B. 69 kV Three-Pole GOAB Switches	3	\$	\$	\$
C. Lightning Arresters	6	\$	\$	\$
D. Single-Pole Disconnecting Switches	3	\$	\$	\$
E. Power Circuit Breaker	2	\$	\$	\$
G. Instrument Transformers	3	\$	\$	\$
J. Relay Equipment	Lot	\$	\$	\$
K. Conduit and Cable	Lot	\$	\$	\$
U. Capacitor Bank	1	\$	\$	\$
<b>TOTAL WHITE OAK REMOVAL PRICE</b>				\$

Contractor shall remove and dispose of the transformer. The transformer bushings will be retained by the Owner.

Group J - Relay Control Equipment: Three (3) existing relay panels in the control house will be removed from service. The retired panels shall be salvaged or disposed of by the Contractor.

Group K - Conduit and Cable: The Contractor shall remove all power/control cables and conduit between existing equipment and the existing 15 kV switchgear. The Contractor will be allowed to cut-off all cables once directed to do so by the Owner or Engineer and remove cables. The Contractor will be allowed to cut-off all above-grade conduit which runs underground at six (6) inches below final grade and leave the remaining below-grade conduit intact. The Contractor shall salvage or dispose of all removed cable and conduit material from the project site.

Group L - Foundations: The existing foundations for the metalclad switchgear and the 69 kV breaker, capacitor bank and 69 kV circuit switcher, and the generator shall be completely removed.

Group O - Grounding: The Contractor shall remove all ground grid leads from all structures, and equipment to be removed from their present locations or taken out of service. The ground grid leads to be abandoned shall be cut-off six (6) inches below grade.

Group P – Circuit Switcher: The existing 69 kV S&C SF<sub>6</sub> circuit switcher will need to be removed and disposed of by the contractor.

Group R – Generator: The existing generator outside the existing fence will need to be removed and disposed of by the contractor.

Group U – Capacitor Bank: The existing 69 kV capacitor bank **and circuit switcher** will need to be removed and disposed of by the contractor.

Group X - Feeder Exits: The Contractor shall remove all the 15 kV underground exit circuits, 15 kV risers, connectors, etc. associated with the existing metalclad switchgear. The Contractor will be allowed to cut-off power cables once directed to do so by the Owner or Engineer and remove the cables. The Contractor will be allowed to cut-off all above-grade cable and conduit which runs underground at six (6) inches below final grade and leave the remaining below-grade conduit intact. The removed materials shall be salvaged or disposed of by the Contractor.

#### **Install – White Oak Substation Upgrade**

Group B - Three-Pole Group Operated Air-Break Switches: The Owner will furnish, and the Contractor shall receive, off-load, assemble, install, adjust, and

## Removal – White Oak Substation Upgrade

Group B - Three-Pole Group Operated Air Break Switches: The Contractor shall remove the four (4) 69 kV three-pole group operated air break switches on the top of the three-phase 69 kV bus work, as indicated on the drawings. The removal shall include all operating pipes, handles, bearings, brackets, support members, etc. The switches removed shall be salvaged or disposed of by the Contractor.

Group C - Lightning Arresters: The Contractor shall remove the six (6) 69 kV lightning arresters from their present locations and they shall be salvaged or disposed of by the Contractor.

Group D - Single Pole Disconnect Switches: The Contractor shall remove six (6) 69 kV hookstick switches and jumpers as indicated and shown on the drawings, sections, and detail drawings.

Group E - Power Circuit Breakers: The Contractor shall remove the two (2) existing 69 kV oil power circuit breakers and from their present locations and they shall be salvaged or disposed of by the Contractor. The existing anchor bolts shall be cut off flush with the top of the foundation.

Group G - Instrument Transformers: The Contractor shall remove the existing three (3) VTs in the middle of the 69 kV bus.

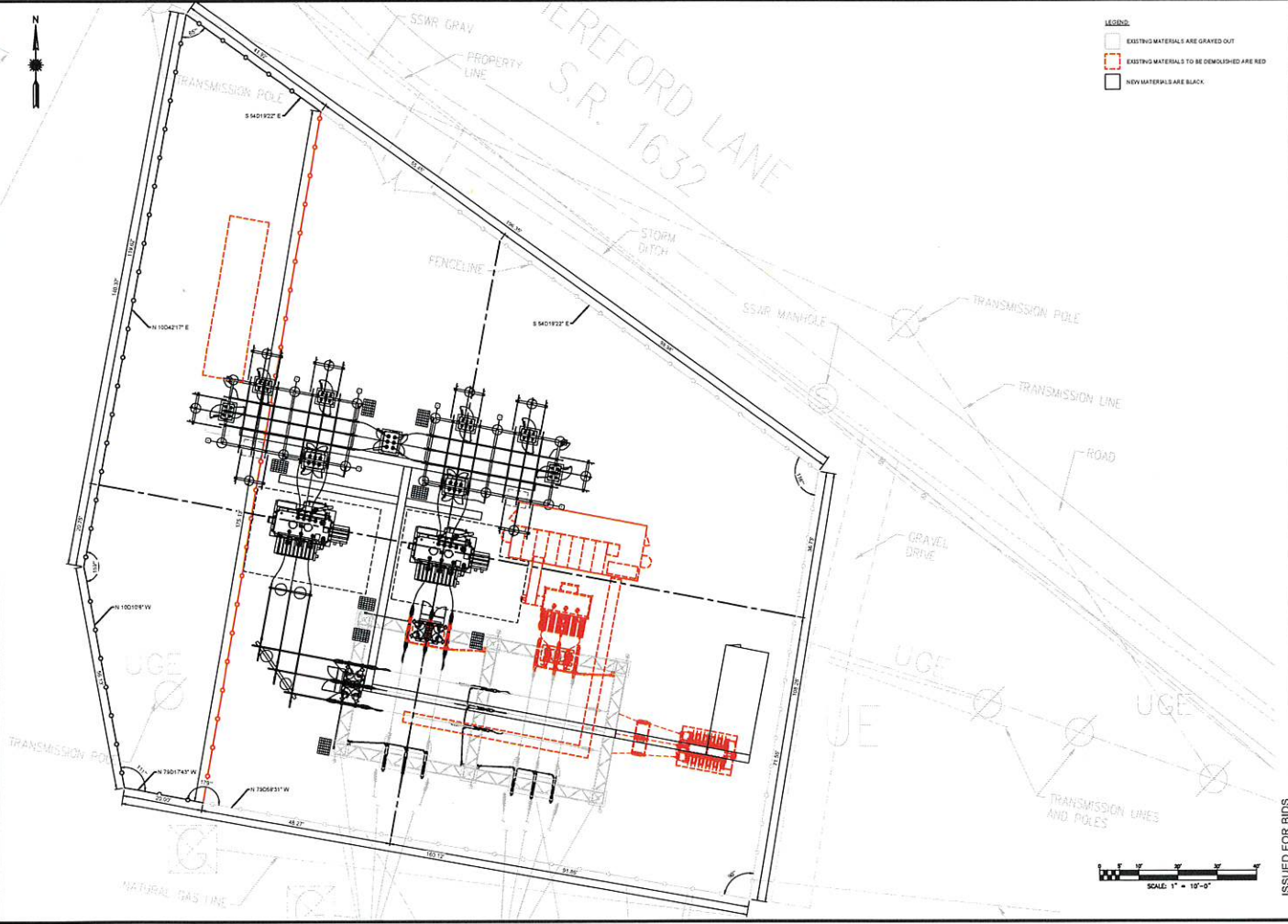
Group J - Relay Control Equipment: Three (3) existing relay panels in the control house will be removed from service. The retired panels shall be salvaged or disposed of by the Contractor. It also includes removal and disposal as directed by the Owner of the 48 VDC battery, rack, and charger.

Group K - Conduit and Cable: The Contractor shall remove all power/control cables and conduit between existing relay equipment and the existing 69 kV breaker. The Contractor shall salvage or dispose of all removed cable and conduit material from the project site.

Group U – Capacitor Bank: The existing 69 kV capacitor bank and circuit switcher will need to be removed and disposed of by the contractor.

THE DRAWING SIZE IS 24" X 36". MAIN PLOTTED FULL SIZE. THIS LINE SHALL BE AS SHOWN.

UTILITY ENGINEERING CONSULTANTS, INC. 10000 W. 100TH AVENUE, SUITE 100, WESTOVER, COLO. 80551-1000



**UTILITY ENGINEERING**  
ELECTRIC & SANITARY  
ENGINEERS & ARCHITECTS  
INCORPORATED, CO. 2014  
10000 W. 100TH AVENUE, SUITE 100, WESTOVER, CO. 80551-1000

**ISSUED FOR BIDS**

DATE: 08/12/2014  
DRAWN BY: J. HARRIS  
CHECKED BY: J. HARRIS  
DATE: 08/12/2014  
SCALE: 1" = 10'-0"

**WESTOVER 69/12-47KV SUBSTATION**  
**SITE AND FENCE PLAN**

110