AMENDMENT NO.: 5
TO THE TENDER DOCUMENTS
Defence Construction (1951) Limited

CLOSING DATE/TIME:	As indicated on the *Electronic Bidding System*
PROJECT NO.:	KN229976_86810
AMENDMENT DATE:	October22, 2026
PROJECT TITLE:	Fort Frontenac Arc Flash Study Repair Kingston, Ontario

TO ALL TENDERERS:

THE PURPOSE OF THIS AMENDMENT IS TO GIVE EFFECT TO THE FOLLOWING:

1. Tenderers are advised that the Tender Closing date has been changed to **November 05, 2026.** The closing time and location remains unchanged.
2. To **ISSUE** Section 26 12 16.01 Dry Type Transformers Up To 600V Primary (2 pages attached).
3. Reference Section 01 11 00 Paragraph 1.16.5 and **INSERT:**
   " 1.16.5.2 For bidding purposes, assume two (2) hour shutdown period during operating hours.

End of Amendment No. 5

PART 1 GENERAL

1.1 SECTION CLUDES

.1 Materials and components for dry type transformers up to 600 V primary, equipment identification and transformer installation.

1.2 RELATED SECTIONS

.1 Section 01 33 00 - Submittal Procedures.

.2 Section 26 05 00 - Common Work Results - Electrical.

1.3 REFERENCES

.1 Canadian Standards Association (CSA International)
- .1 CAN/CSA-C22.2 No.47, Air-Cooled Transformers (Dry Type).
- .2 CSA C9, Dry-Type Transformers.
- .3 CAN/CSA-C802.2, Minimum Efficiency Values for Dry-Type Transformers.

.2 National Electrical Manufacturers Association (NEMA)

.3 Ontario Regulation 509 – Energy Efficiency

1.4 PRODUCT DATA

.1 Submit product data in accordance with Section 01 33 00 - Submittal Procedures.

PART 2 PRODUCTS

2.1 TRANSFORMERS

.1 Use transformers of one manufacturer throughout project and in accordance with CAN/CSA-C22.2 No.47.

.2 Design.
- .1 Type: non-linear K-13 rated
- .2 Copper windings.
- .3 3 phase, kVA as noted, 600 V input, output as noted, 60 Hz.
- .4 Voltage taps: standard.
- .5 Insulation: Class 220, 150 degrees C temperature rise.
- .6 Basic Impulse Level (BIL): 10kV.
- .7 Average sound level: standard
- .8 Impedance at 17 degrees C: standard
- .9 Efficiency: O. Reg 509 compliant
- .10 Enclosure: NEMA 2 c/w drip shield.
- .11 Mounting: as indicated.
- .12 Finish: in accordance with Section 26 05 00 - Common Work Results - Electrical.

.3 Scott T connected 2 coil type transformers will **NOT** be accepted.

.4 Transformer Ratings:

.1 TX-2: 112.5kVA Transformer – Type K-13 rated, 600-208Y/120V, 220C insulation class, 150C temp rise, copper windings, meets O.Reg 509 energy efficiency standards, NEMA Type 2 c/w drip shield, 4.5 to 6%% standard impedance rating, CSA listed.

2.2 EQUIPMENT IDENTIFICATION

.1 Provide equipment identification in accordance with Section 26 05 00 - Common Work Results - Electrical.

PART 3 EXECUTION

3.1 INSTALLATION

.1 Mount dry type transformers as indicated on the drawings, confirm mounting method that is flexible to suit field installation by Div. 26 as long as space is utilized effectively and confirm final layout for locations of transformers and mounting with DCC Representative prior to rough-in.

.2 Ensure adequate clearance around transformer for ventilation and in accordance with OESC requirements.

.3 Install transformers in level upright position.

.4 Remove shipping supports only after transformer is installed and just before putting into service.

.5 Loosen isolation pad bolts until no compression is visible.

.6 Make primary and secondary connections in accordance with wiring diagram.

.7 Energize transformers after installation is complete.

END OF SECTION