SECTION 26 01 26 - EXISTING EQUIPMENT TO BE REUSED

PART 1 - GENERAL

1.01 REFERENCE

A. Refer to section 26 00 00 for requirements which are applicable to this section.
B. Refer to National Electrical Testing Association Standards, particularly NETA MTS-1997 and NETA ATS-1999.

1.02 WORK INCLUDED

A. Provide all labor, material, equipment, and supervision necessary to refurbish existing equipment as specified herein and place into operation.
B. All work and accessories required to perform the intended work is to be included in the scope of work.

1.03 QUALITY ASSURANCE

A. Verify that all equipment is installed in accordance with the manufacturer's recommendations.
B. Install systems and equipment in accordance with present applicable codes.
C. Provide adequate supervision of labor force to see that installations are complete and correct.
D. Testing Agency’s Field Supervisor and/or Technicians are to be certified according to NETA ETT-2000.

1.04 SCOPE

A. It is the intent to totally refurbish existing equipment to as-new operating condition and efficiency. All parts to be made operable, corrosion removed, repainted, adjusted, cleaned, lubricated, and repaired as necessary.
B. Schedule outages with Owner - Minimize downtown. Have parts and supplies for repairs available beforehand.

PART 2 - PRODUCTS

2.01 PARTS

A. Replacement parts shall be manufactured by the original equipment supplier or approved substitute. Any substitute to be submitted to the engineer before use.

PART 3 - EXECUTION

3.01 PANELS BOARDS, SWITCH BOARDS, LOAD CENTERS

A. Visually inspect enclosures, bus and all cable terminations. Report signs of cable overheating, insulation degradation, excessive moisture, rust, etc.
B. Clean, wire brush and paint with Rustoleum/Gavanoleum to match existing, all corroded and rusted areas.
C. Undo cable terminations, as necessary, clean with approved electrical cleaner, and reconnect to manufacturers recommended torque.
D. Replace existing circuit breakers with new breakers of similar AIC ratings. This applies to all circuit breakers 100 Amps or less and more than 20 years old.
E. Switchboard fused switches are to be cycles on/off several times to ensure operability. Lubricate pivot point as necessary as recommended by the manufacturer.
F. Provide fuse clamps to each fused switchboard switch in excess of 100 Amps.

3.02 TRANSFORMERS

A. Visually inspect enclosure, bus or cable terminations. Report signs of cable overheating, insulation degradation, excessive moisture, rust, etc.
B. Clean, wire brush and paint with Rustoleum/Gavanoleum to match existing, all corroded and rusted areas.
C. Undo cable terminations, as necessary, clean with approved electrical cleaner, and reconnect to manufacturers recommended torque.
D. Vacuum coils, core and enclosure. Blow out with dry Nitrogen.
E. Meggar transformer - Report test results and return to operation.

3.03 UNINTERRUPTIBLE POWER SUPPLY

A. Contact a manufacturer recommended service technician to perform tests, inspection, maintenance etc.
B. Replace components as necessary to ensure proper operation.

3.04 SAFETY SWITCHES

A. Visually inspect enclosure, bus or cable terminations. Report signs of cable overheating, insulation degradation, excessive moisture, rust, etc.
B. Clean, wire brush and paint with Rustoleum/Gavanoleum to match existing, all corroded and rusted areas.
C. Cycle switch on/off to ensure operability. Lubricate pivot point as necessary as recommended by manufacturer.
D. Replace switch as necessary.

END OF SECTION