

1. GENERAL

1.1 Intent

- .1 Provide demonstration and instruction sessions to familiarize City's operation and maintenance personnel with electrical systems and their operation and maintenance.
- .2 Submit system sign off sheets for each system listed prior to substantial completion.
- .3 Complete a motor survey sheet for each motor and submit prior to substantial completion. Include a control wiring diagram for each motor neatly drawn in ladder form. Indicate all terminal and wire numbers. Identify all associated control components. Provide typed copies of these lists and diagrams in the operating/maintenance manuals. Include motor overload selection charts for each type and application of overload relay.
- .4 All sign off and survey sheets shall be typewritten.

1.2 Manufacturer's Site Services

- .1 Arrange and pay for appropriately qualified manufacturers representatives to provide or assist in providing electrical equipment and system demonstration and instruction as specified herein.

1.3 Contractor/City Coordination

- .1 City will chair demonstration and instruction sessions.
- .2 Establish agendas for demonstration and instruction sessions in conjunction with City. Coordinate scheduling of sessions with City.

2. PRODUCTS (NOT APPLICABLE)

3. EXECUTION

3.1 Systems Demonstration

- .1 Demonstrate operation of following systems:
 - .1 5Kv Unit Substation
 - .2 600/347 Volt Electrical System
 - .3 208/120 Volt System
 - .4 Mechanical Equipment Connections and Controls (including interface with the fire alarm system).

MOTOR SURVEY SHEET

Motor Name & Number _____

Manufacturer _____

H.P. _____ Max. Ambient _____ °C

R.P.M. _____ Service Factor _____

Volts _____ / _____ / _____ Insulation Class _____

AMPS _____ / _____ / _____ EEMAC Design _____

PHASE _____ Time Rating _____

Frame _____ Type _____

Serial # _____

Model # _____

Starter _____ Type _____

OPERATING CONDITIONS

Full Load Operating Amps _____ A _____ B _____ C _____

Full Load Operating Voltage _____ A-B _____ B-C _____ C-A _____
at Motor

Overload Relay Installed _____ Adjustable Setting _____ %

M.C.P. AMPS _____ Adjustable Setting _____

Acceleration Time (If over 5 seconds) _____

Reduced Voltage Starter Tap Setting _____

Reduced Voltage Starter Transition Time Setting _____

Special Controls and Remarks (Thermistor and Relay Type, Capacitors and where connected, etc.

SYSTEM COMPLETION AND COMMISSIONING

SYSTEM: _____

The above system is installed as per the drawings and specifications, is complete and has been commissioned.

Electrical Contractor

Signed by: _____ Dated: _____

General Contractor

Signed by: _____ Dated: _____

Deficiencies Attached ZD?
@DY

This system has been reviewed by:

The Contract Administrator

Signed by: _____ Dated _____

The City's personnel have been instructed in the operation and maintenance of the above system:

The City

Signed by: _____ Dated _____

The above does not constitute a waiver of any of the requirements of the Contract Documents.

ELECTRICAL
CONTRACTOR

GENERAL
CONTRACTOR

Address: _____

Phone: _____

END OF SECTION