



**CITY OF TACOMA
TPU - Power Division**

ADDENDUM NO. 1

DATE: 09/11/2020

**REVISIONS TO: Request for Bids - Specification No. PT20-0202F
Low Voltage, 480Y/277V Network Protectors**

NOTICE TO ALL BIDDERS:

This addendum is issued to clarify, revise, add to or delete from, the original specification documents for the above project. This addendum, as integrated with the original specification documents, shall form the specification documents. The noted revisions shall take precedence over previously issued specification documents and shall become part of this contract.

REVISIONS TO THE SUBMITTAL DEADLINE:

The submittal deadline has been changed to 11:00 a.m., Pacific Time, Tuesday, September 22, 2020

REVISIONS TO THE SPECIAL PROVISIONS:

Section 1.12.2 - Award of Items, has changed to now read:

1.12.2 - AWARD OF ITEMS

~~The award will be made so that the items will be awarded on an "All or None" basis.~~

Award will be made to the lowest responsive, responsible bidder(s). The City may also take into consideration all other criteria for determining award, including evaluation factors set forth in Municipal Code Section 1.06.262.

All other elements or factors, whether or not specifically provided for in this specification, which would affect the final cost to and the benefits to be derived by the City will be considered in determining the award of a purchase order. The final award decision will be based on the best interests of the City.

The City reserves the right to give a purchase order to the lowest responsible bidder(s) whose bid(s) will be the most advantageous to the City, price, and any other factors considered, as described in Paragraph 1.20 of the Standard Terms and Conditions.

REVISIONS TO THE TECHNICAL PROVISIONS:

The following sections have been revised:

2.02.4 – ENCLOSURE & DOOR

2.02.4A – Door Handle

The door handle(s) shall be integrated with the **submersible** door clamp provisions.

2.02.6B – Exterior Hardware

All exterior hardware and fasteners shall be Type 304 Stainless Steel or better.

Except for electrical grounding contact locations which must be SI-Bronze, Brass or with Silver plated contacts.

2.03.1 NETWORK PROTECTOR BREAKER DESIGN

2.03.1C The protector structure materials

Excluding the backboard, arc chutes, inter-phase barriers, and other insulating materials, the protector structure, mechanism, linkages, and all engagements, shall utilize metallic construction. **Industrial class power breaker designs using a high temperature thermoset mold construction may be used if certified for network protector applications. Tests must be certified to over 5000 operations.**

2.03.2A- Network side terminals

The Network (load) side terminals shall be fully rated ~~tin~~ **silver** plated copper spade connectors with 2-hole NEMA drilled patterns. The number of holes and plate sized for the terminals shall be follow section 11.5.2 of IEEE C57.12.44.2014.

2.04.2A5- Forward power flow tripping option on fault detection

The relay, **or other tripping schema if designed to operate faster than the relay,** shall be capable of being temporarily armed to trip for fault level current **going** into the network **and inhibit reclose operations.** This option ~~would~~ **must** be field selectable by the attending crew ~~during maintenance~~ as a temporary setting for personnel protection **during maintenance.** The system requires some **highly** visual ~~reminder~~ **indication** when this setting is active.

2.06.2 – INSTRUMENT TRANSFORMERS

~~Current, potential, and control Instrument transformers shall be provided as required and be encased in epoxy that provides a submergibility rating of 25ft depth for 7 days.~~

2.06.2A2 – NEMA Ratings

~~Current transformers and relay coils shall be NEMA Class H instrument rated. or better.~~

~~Current transformers shall be encased in epoxy that provides a submergibility rating of 25 foot depth for 7 days.~~

2.06.2B – POTENTIAL AND CONTROL TRANSFORMERS

Potential and control transformers shall be supplied, as required, for the correct operation of the network protector's relays **and shall conform to IEEE C57.13.6 for accuracy**. ~~They shall be encased in epoxy that provides a submergibility rating of 25 foot depth for 7 days.~~

2.06.3A – AUXILIARY CONTACT RATINGS

The auxiliary contacts shall have a minimum current rating of ~~20~~ **5**-Amps and be rated for 600 Volts.

2.06.10 – Closing motor

The closing motor shall receive power from the transformer side of the rollout unit. Motors shall be capable of providing the required torque to ensure proper closure in 2.5 seconds or less with the minimum closing voltage applied without over-heating. ~~Motor shall be capable of withstanding at least 7 days of submersion under a head of 25 feet of water.~~

NOTE: Acknowledge receipt of this addendum by initialing the corresponding space as indicated on the Signature Page. Vendors who have already submitted their bid/proposal may contact the Purchasing Division at 253-502-8468 and request return of their bid/proposal for acknowledgment and re-submittal. Or, a letter acknowledging receipt of this addendum may be submitted in an envelope marked Request for Bids Specification No. PT20-0202F Addendum No.1. The City reserves the right to reject any and all bids, including, in certain circumstances, for failure to appropriately acknowledge this addendum.

cc: Rich Barrutia, Power Supervisor III, Power T&D Central Business District
Alex Clark, Senior Buyer, Finance / Purchasing