CITY OF KIRKLAND

132ND AVE NE & SLATER AVE CROSSING
NE 124TH ST SLATER AVE CROSSING IMPROVEMENTS
JOB No. 06-24-PW, Contract No. HLP-2059(002)

ADDENDUM NO. 2
TO THE PLANS, SPECIFICATIONS, PROPOSAL AND CONTRACT

Issued This Date:	Thursday January 16, 2025
Bid Opening:	**January 23, 2025 @ 2:00pm, to remain the same**
Place of Opening:	City Hall, Council Chambers, to remain the same

Notice to All Plan holders:
This Addendum No. 2, containing the following revisions, additions, deletions, and/or clarifications is hereby made part of the Plan and Contract Documents for the above-named project. Bidders shall take this Addendum into consideration when preparing and submitting their bids and it shall be attached to the Contract Documents.

Contractors shall acknowledge receipt of this Addendum in the place provided on Proposal page 7. Failure to do so may disqualify the Bidder from consideration of its bid.

All other requirements of the contract documents remain in effect.

CONTRACT DOCUMENTS:

Item 1:

Location: Specification section 9-29.13(10)A. See attached revision to the specifications page 145 and 146.

Description: Lines 47-51 on page Special Provisions-145 and lines 1-14 on page Special Provisions-146 are updated. This section specifies the ethernet switch that shall be installed on this project.

Sincerely,

Kimberly Ceraza, PE
City Project Engineer

George Minassian, P.E.,
Interim Capital Projects Manager

Sheet metal panels shall be installed in the available space on the lower left and upper right & left sides of the cabinet. The lower left side panel shall be 10” x 12”. The upper right-side panels shall be 36” x 12”.

Supplemental Loads

The supplemental load panel shall have all field yellow and green outputs loaded with 2.5K-Ohm, 10-Watt resistors. There shall be a disconnect between the load resistor and the field output. Connecting and disconnecting the load resistor Each load resistor from the field circuit shall be done with the use of simple tools. There shall be no live 120VAC exposed.

Power Panel

The power panel shall handle all the power distribution and protection for the cabinet and shall be mounted in the bottom right side of the facility. All equipment shall be mounted on a 12” x 17” or smaller silkscreened aluminum panel and include at a minimum the following equipment:

- A 30-amp main breaker shall be supplied. This breaker shall supply power via CITEL DS72US-120S/G-F-ASSM to the load bay, load switches, auxiliary panel, controller, MMU, power supply, detector racks and quad AC convenience outlets.
- A 15-amp auxiliary breaker shall supply power to the fan, light and GFI.
- A 15-amp auxiliary breaker wired for future use.
- A 60-amp, 125 VAC radio interference line filter.
- A normally open, 75-amp, solid-state relay. The relay shall have a red LED light that is on when energized.
- The CITEL surge shall consist of a modular surge protector for the AC line, another modular surge protector for the AC neutral and ground. There shall also be a radio interference suppressor (RIS), this device shall be a CITEL DUC31.
- One see through plexiglass cover over the utility power block terminals.
- Two (19) position solid aluminum, tin plated neutral buss bar with raised slotted & torque style screw heads. No tube bars shall be allowed.
- One (19) position solid aluminum, tin plated ground buss bar with raised slotted & torque style screw heads. No tube bars shall be allowed.

Manuals & Documentation

The cabinet shall be furnished with (3) complete sets of cabinet prints. All cabinet wiring, and layout shall come on (1) E1 size sheet, multiple pages shall not be allowed. Upon request (1) USB memory stick with AutoCAD v2008 cabinet drawing for the cabinet wiring can be provided direct to the agency.

Fiberoptic Termination Panel

The cabinet shall come with a 12 port wall mounted fiberoptic termination panel with loaded duplex single-mode LC coupler plates and splice tray. The panel shall be a Corning SPH-01P with (1) CCH-CP12-A9 coupler plate.

Ethernet Switch

The Ethernet switch shall be Cisco model IE-3300-8T2X-A, with 12 months of Cisco SmartNet CON-SNT-IE33008A with:

- One (1) power module for PoE model PWR-IE65W-PC-AC,
- One (1) Cisco network advantage license IE3300-NW-A,

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- One (1) digital download code for software license DIGITAL-DL-CODE,
- One (1) software IE3300X_SW,
- One (1) Cisco Advantage license IE3300-DNA-A, with 36 months of DNA-Advantage Licensing IE3300-DNA-A-3Y, and
- Two (2) 10G SFP modules of one type of the following :
  - SFP-10G-LR10-I=
  - SFP-10G-LR-X
  - SFP-10G-LR-X-AX

The following cables and cords shall be supplied with the Ethernet switch:

- Two single mode patch cords (LC to LC)
- Six Cat6 patch cables

Malfunction Management Unit (MMU)

The cabinet shall come with a (MMU) that meets all the requirements of NEMA TS2-2003 while remaining downward compatible with NEMA TS1. It shall have (2) high contrast LCD displays and an internal diagnostic wizard. It shall come with a 10/100 ethernet port. It shall come with software to run flashing yellow arrow operation. The MMU shall be an Eberle Design, Inc. model MMU2-16LEip.

Load Switch

The cabinet shall come with (8) dual channel load switches. All load switches shall be solid state circuit board type with a 2-piece aluminum case. LED indications shall for provided for both the input and output side of the loads for both channels. The load switches shall be Western Systems model SSS-216.

Flasher

The cabinet shall come with (1) dual channel flasher. The flasher shall be solid state circuit board type with a 2-piece aluminum case. LED indications shall be provided for both channels. The flasher shall be Western Systems model SSF-216.

Flasher Transfer Relay

The cabinet shall come with (8) heavy duty mini flash transfer relays. The relays shall operate 120VAC and be compatible with a Struthers-Dunn SH-TRF8-MW socket. The flash transfer relays shall be Western Systems model FTR-216.

Bus Interface Unit (BIU)

The cabinet shall come with (6) bus interface units (BIU). These shall meet all the requirements of NEMA TS-2 1998 standards. In addition, all BIUs shall provide separate front panel indicator LED's for DC power status and SDLC Port 1 transmit and receive status. The BIU's shall utilize only 1 rack position. The (BIU)'s shall be Eberle Design, Inc. model BIU-700H.

Power Supply (PS)

The cabinet shall come with a shelf mounted cabinet power supply meeting at minimum TS 2-2003 standards. It shall be a heavy-duty device that provides +12VDC at 5 Amps / +24VDC at 2 Amps / 12VAC at .25 Amp, and line frequency reference at 50 mA. The power supply shall provide a separate front panel indicator LED for each of the four outputs. Front panel banana jack test points for 24VDC and logic ground shall also be provided. The power supply shall provide 5A of power and be able to

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