

January 21, 2023

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Mr. Springman,

In response to a request for additional input and information, FKC Co., Ltd. offers the following for addition and cost adder to the of the FKC Bid dated 5 January 2023 offered to the City of Sweet Home, Oregon:

1. Control Panel

- a. The standard FKC control panel has a fault light and running light for each of the motor starters (MS) and variable frequency drives (VFD) housed within the FKC enclosure.
- b. FKC agrees to provide LOR switches instead of HOA switches for each MS and VFD.
- c. FKC also agrees to add a start button and stop button for each MS and VFD that would start and stop a given motor when its LOR switch is in local.
- d. In leu of a control power light for each MS and VFD, FKC agrees to add a single control power light for the entire enclosure.
- e. The standard FKC control panel has reset buttons for each VFD on the device pop-ups on the HMI screen. This will be provided instead of any reset buttons on the panel front.
- f. FKC offers one E-stop on the panel front which stops all the equipment powered by the FKC control panel. FKC has no dynamic breaking, etc. for any of the equipment for which we provide power control. A Fast Stop is therefore not possible.
  - i. The Owner can daisy chain as many field installed E-stops next to the equipment as needed to provide additional E-stop buttons. But for the FKC control panel and scope of supply, only the single Estop on the panel front is included.

- g. Some of the spare IO can be used by the customer to temporarily control some components not provided by FKC. FKC will provide a spare routine within the program and spare space in the HMI for customer use. This does not include FKC needing to add anymore hardware, memory, programming, or labor to accommodate this request. FKC will not be responsible for any programming, testing or issues that come from customer use.

## 2. Polymer System

- a. Due to time constraints, the proposed Velodyne polymer system to be used is a unit that FKC currently has in stock from another project. The polymer system control panel is to be provided as is and has a UL sticker provided. FKC cannot alter the circuitry in the control panel without affecting the UL approval. Therefore, FKC cannot offer the start button, stop button, or fast stop to be added to the polymer system control panel.
- b. The Owner may alter the control panel after FKC has delivered the unit to add these three buttons. Please coordinate with FKC for the control panel and programming if the Owner chooses to do this.

## 3. Conveyors

- a. The 1<sup>st</sup> inclined conveyor has been adjusted to match the drawings provided by email.
  - i. FKC will provide the supports legs for the 1<sup>st</sup> inclined conveyor.
  - ii. If the last set of support legs can be within 6 linear feet of the gearbox/motor, then no hanger supports will be required for the gearbox/motor end of the conveyor.
- b. The 2<sup>nd</sup> conveyor has been changed from a horizontal to an 11-degree inclined conveyor. The 2<sup>nd</sup> conveyor length has also been adjusted to match the drawings provided by email.
  - i. FKC scope and price does not include any supports for the 2<sup>nd</sup> conveyor such as support legs, hangers, or support structures above the conveyor.

## 4. Field Services

- a. FKC confirms that 2 trips for a total of 8 on-site days are included in the original FKC bid dated 5 January 2023.

The total cost adder for these adjustments to the FKC bid and scope of supply is \$18,442. This amount includes additional bonding money to cover the adjusted total price should this amount be added in the total price of the FKC bid.

Thank you,

Trent Bohman / FKC Co., Ltd.