



June 18, 2024

Arnie Romero  
City of Orland Public Works  
815 Fourth St  
Orland, Ca 95963

Re: Quotation for Heartland Lift station

Simonds Machinery is pleased to offer the following options to retrofit the existing duplex lift station named Heartland Lift Station. Just like the Railroad Lift Station the job includes two different pump options, one being 2-3hp Shinmaywa submersible solids handling pumps. The other being 2-5hp Barnes chopper pumps. This lift station requires us to use a duplex motor control panel that will use VFD drives for phase conversion. This panel has the same basic features as Railroad panel, a PV600 controller, NEMA starters A FOG Rod level control system, pump run indicators as well as motor over temp and seal fail. SCADA monitors high and low level, run times and cycle count also power failure. Typical selector switches and disconnects all in a NEMA 4X stainless steel enclosure. Also included is a manual transfer switch with power receptacle for portable power source. The pump station may be a challenge to retrofit new base elbows and the plumbing module. Because of its depth we have some unknowns that we could not see on our original visit. For budgetary reasons I will price up the plumbing module that will include new base elbows, and valve sets for inside the wet well as well as the single valve set in the exterior valve box. For cost savings we will reuse the stainless-steel guide rails, and some of the existing PVC discharge piping. Pricing for materials and labor are as follows.

Shinmaywa option

2-3hp 230volt 3ph submersible pumps.	\$ 8610.00
1-CM Controls 3hp duplex control panel with SCADA and VFD drives for phase conversion.	\$49,407.00
Base elbows with new valves and miscellaneous piping and hardware.	\$10,196.00
Labor and expenses to install	\$19,525.00
Tax on materials	\$ 5286.51
Estimated freight	<u>\$1000.00</u>
Total	<u>\$93,924.51</u>

Cont.

Barnes chopper pump option

2-5hp 230-volt 3ph submersible chopper pumps	\$27,712.00
1-CM Controls 5hp duplex control panel w/SCADA and VFD drives for phase conversion.	\$51,600.00
Base elbows, with new valves and miscellaneous piping and hardware.	\$10,196.00
Labor and expenses to install.	\$19,525.00
Tax on materials	\$ 6936.87
Estimated freight	<u>\$ 1000.00</u>
Total	\$116,969.87

Should you have any questions regarding this quotation please call Kurt at 650 589-9900.

Best regards

Kurt Hipp