

NOTICE OF INTENT TO AWARD SOLE SOURCE

The City of Spokane intends to establish a sole source contract with **WATERTRONICS, 525 Industrial Drive, PO Box 530, Hartland, WI 53029-0530** to provide the following:

IRRIGATION PUMPING SYSTEM For The City of Spokane Parks & Recreation Department

Said irrigation pumping system is a prefabricated, self-contained variable speed horizontal centrifugal pump booster station within an aluminum enclosure atop a stainless steel base. The pump station incorporates two main pumps and one pressure maintenance pump capable of delivering 1000 GPM @ 105PSI (66 PSI boost). A formed and reinforced base platform and enclosure with lockable lid contains all manifolding, pumps, motors, and an external mounted dead front control panel are provided to ensure all pump and control components are contained within on one (1) skid and can be easily installed on site by irrigation contractor. Pump controls are an industrial grade PLC incorporating a color touch screen operator interface with software programming written specifically for the Esmeralda Golf Course Irrigation project and integrating directly with the Toro Lynx Irrigation Control system used by the City of Spokane Golf Division.

Pump Station requirements are listed below:

- External mounted, U.L. listed NEMA 4x Dead Front aluminum control panel with service rated 200 amp.
- Microprocessor controls with dedicated software to maintain constant pressure at variable flow.
- Touchscreen operator interface with active matrix LCD display featuring:
 - Digital Flow (GPM) and pressure (PSI) display
 - Both cumulative and resettable gallons pumped indicators
 - Pump ready/running status with elapsed run time display per pump
 - Flow based pressure regulation to match discharge pressure with irrigation demand
 - Irrigation motor overload reporting
 - Minute by minute data logging saved to a removable flash RAM card
 - 32MB card to store approximately 12 months of data
 - Historic & real time X-Y plotting of pump station operation
 - Filter controls
 - Alarm log file
- Ability to change system parameter such as setpoint pressure, time delays

- Alarm conditions with safety shutdown, time stamp & automatic diagnostic system, including
 - Automatic re-pressurization after fault condition
 - Low discharge pressure shutdown
 - High discharge pressure shutdown
 - Individual motor overload/phase loss
 - VFD fault shutdown
 - High pump temperature shutdown
- Overload, single phase, phase imbalance/low voltage protection
- Surge protection for main station and solid state controls
- MSP combination breaker, contactor, and overload
- Variable Frequency Drive pressure regulation
- Pressure drop start
- Hand/off/auto selector switch per pump
- Stainless steel pressure transducer
- Two (2) ea. 30 HP 3,600 RPM horizontal centrifugal pump and ODP EISA compliant motors. Pumps shall be cast iron with a bronze impeller and mechanical seal
- 5 HP 3,600 RPM vertical centrifugal pressure sustaining pump. Pump to include stainless shaft, collets, impellers and cast iron bowls with NEMA premium motor
- Common suction header for single intake suction line
- Silicone filled pressure gauges with isolation valve on suction and discharge piping
- Force fan air cooled ventilated marine grade aluminum pump station enclosure and stainless steel base unpainted with lockable access cover
- Baked and cured two part polyurethane ultraviolet insensitive paint
- Factory certified dynamic run testing of pump station up to full flow and pressure prior to shipment
- One operator and maintenance manual
- Access to manufacturer customer service technical phone support technicians on call 24/7 for life of product
- Access to manufacturer factory authorized service technician
- 500 watt pump station heater mounted inside enclosure, thermostatically controlled
- Winding heaters on main motors
- Electromagnetic flow meter (Badger ModMAG M2000)
- 6" FL x 8" FL fabricated steel discharged drop pipe with swivel connection and 1-1/2" min diameter blowout port
- 6" FL x 8" FL fabricated steel inlet drop pipe with swivel connection
- 3" pressure relief valve
- 6" inlet and discharge isolation valves
- Across the line (XL) by-pass contactor to operate pump manually upon VFD fault/failure
- Low inlet pressure shutdown with automatic reset
- Internal sound dampening insulation

- Local start-up by manufacturer (one day)
- Domestic US freight from manufacturer factory to Esmeralda Golf Course.

Companies who believe they can compete for this requirement are required to submit via email a brief statement of their intent to compete. The statement and any other questions regarding this sole source should be directed to Thea Prince, Senior Procurement Specialist at: tprince@spokanecity.org **by Monday, June 17 at 5:00 pm**. The City of Spokane does not guarantee that companies responding to this notice will be rendered a request to tender an offer for this procurement. In addition, the City of Spokane does not guarantee that any solicitation will occur for this procurement, but reserves the right to solicit proposals.

Companies who have not already done so should register at www.mrscrosters.com.

Dated this 10th of June, 2019

Thea Prince
Senior Procurement Specialist