



ADDENDUM NO. 2

**TO
PLANS AND SPECIFICATIONS
FOR
PIPING RECONFIGURATION OF CANAL PUMPS 2 AND 4
AND PUMP 2 REPLACEMENT
IN
ANTIOCH, CALIFORNIA
P.W. 246-26**

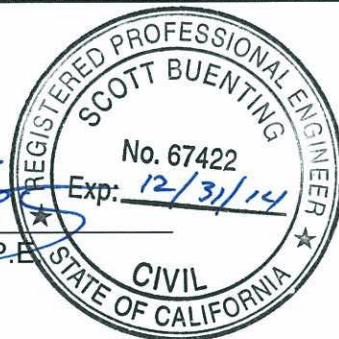
**ISSUED
September 10, 2014**

This Addendum No. 2 must be signed by the bidder and attached to the **CONTRACT PROPOSAL PACKAGE** for consideration by the City. The City reserves the right to disregard any proposal, which does not include this Addendum. The City may waive this requirement at its sole discretion.

SEE ATTACHED ADDENDUM ITEMS

Prepared By: _____

Scott Buenting, P.E.



BIDDER'S CERTIFICATION

I acknowledge receipt of this Addendum No. 2 and accept all conditions contained herein.

Bidder

By:

- 1) Section 11050 "General Requirements for Centrifugal and Axial Flow Pumping Equipment", Subsection 1.04 "Design Requirements – All Pumps", Item 'A', "General" is amended to state the following:

"Equipment furnished under all sections referencing this section shall conform to the requirements and objectives of paragraph 5.1.1, API 610. All components associated with the rotating elements in the drive train, including equipment supports and supports for rotating elements, shall be selected and designed to function without damage or disassembly at reverse rotational speeds up to 150 percent of maximum operational speed during flow reversals through the pump. The complete pumping unit shall operate without overload on any component at any point along the pump's entire full-speed operating curve. ~~Pumps required by virtue of the specified operating conditions to operate against a closed valve or throttled for any period of time exceeding five seconds shall be furnished with drivers sized to operate continuously at the power requirement for that condition even though the power requirements at the rated condition may be less.~~

With the exception of submersible pumps and the inlet connection for pumps designed to operate in open forebays or wet wells, pump connection nozzles shall be designed for the loads and moments stipulated in ANSI/HI 9.6.2. Where ANSI/HI 9.6.2 does not cover a specific pump type or category, or where that document is silent on allowable nozzle loads or a particular type of nozzle load (e.g. thermal pipe strain), the CONTRACTOR shall furnish documentation from the manufacturer attesting to the limitations on loads and moment forces that can be tolerated on each connection and recommended connection details to be used."

- 2) Section 11050 "General Requirements for Centrifugal and Axial Flow Pumping Equipment", Subsection 1.05 is amended to state the following:

"ISO 9001 - If the Contactor uses internal quality control procedures in lieu of ISO 9001 certification, the Contractor shall provide an extended warranty of minimum 3 years at no additional cost to City."

- 3) Section 11318, "Vertical Turbine Pumps", Subsection 1.01, "Description", Item 'C', "Operating Conditions" is amended to state the following:

Pumping Condition A ^{1,2}	
Capacity, gpm	7600
Head, ft	52
Pumping Condition B	
Capacity, gpm	9100 6700
Head, ft	44 59
Pumping Condition C	
Capacity, gpm	8000 7900
Head, ft	49
Speed, maximum, rpm	880 or 1190
Motor, maximum, HP	150
Pump efficiency, min., percent	82
Discharge elbow diameter, minimum, inches	24
Column diameter, minimum, inches	26 24
Available NPSH, minimum, feet	26 36.7