



6936 E. 13th St. Tulsa, OK 74112 Phone: (918) 294-3960

January 17, 2018

Mr. Mike Bates
City of Norman

RE: WWTP Hayward Gordon Replacement Pump

Bertrem Products, Inc. is please to quote the following Vaughan Chopper pump for the above referenced application.

1 EA VAUGHAN MODEL HE8N10CS-123 HORIZONTAL END SUCTION CHOPPER PUMP CONSISTING OF:

- CASING AND BACK PULL-OUT PLATE, cast ductile iron.
- IMPELLER, UPPER CUTTER AND EXTERNAL CUTTER, cast steel, heat treated to minimum 60 Rockwell C Hardness. Impeller dynamically balanced.
- CUTTER BAR, plate steel, heat treated to minimum 60 Rockwell C Hardness.
- SHAFT, heat treated steel.
- BEARINGS, ball type thrust and radial bearings, oil lubricated.
- BEARING/PACKING HOUSING, cast ductile iron with sight glass.
- FLUSHLESS MECHANICAL SEAL, cartridge type with TC faces and integral shaft sleeve, as manufactured by Vaughan.
- ELASTOMERS, BUNA N.
- FLANGES, 8" discharge & 10" inlet, 125 LB ANSI rated.
- COUPLING, elastomeric type by TB Woods.
- MOTOR MOUNT, 1018 steel, piloted for "C" flanged mounted motor.
- BASE, fabricated 1018 steel.
- PUMP SUBMITTAL FINISH: Sandblasted and a prime coat of Tnemec Perma-Shield PL Series 431 Epoxy and a finish coat of Tnemec Perma-Shield PL Series 431 Epoxy (for a total min. thickness of 30 MDFT). (Except Motor)

1 EA ELECTRIC MOTOR CONSISTING OF:

- DRIVE, 40 HP, 1170 RPM, 230/460/3/60, 1.15 SF, "C" flanged, TEFC electric motor.

1 EA LOT SERVICES

- Freight to Norman WWTP
- 1-Day Start-Up Serviced by BPI

1 LOT "OPTIONAL" SERVICES CONSISTING OF:

- FACTORY SUBMITTALS AND O&M MANUALS.

TOTAL PRICE: \$33,750
 X2 < TOTAL PRICE: \$ 600

PUMP PERFORMANCE: 2,300 GPM @ 40 FT. TDH
APPLICATION: Sludge mixing
INDUSTRY: Municipal

EXCLUSIONS:

- TAXES
- INSTALLATION
- ELECTRICAL CONNECTIONS

Respectfully,

Chuck Gibson