



February 25, 2013

TO: JD Kehrman, City Manager

From: Shawn Middendorf, Local Manager (Alliance Water Resources)

RE: **CITY CAPITAL PURCHASE**
Water Treatment Plant
#1 High Service Pump Rebuild

Currently four High Service pumps are used to pump drinking water from the 800,000 gallon clear well to the distribution system. #1 pump failed and was found to have a broken line shaft. The upper end of the pump will need new shafts and needs to be rebuilt with bearings, seals, spacers, couplings, etc. The pump end is at the end of its useful life and in need of replacement. This pump is necessary to pump water into the distribution system; it also serves as a backup pump to the other 3 and is rotated periodically for the purpose of maintenance practices in accordance with manufacturer's recommendations.

Quotations as follows:

Layne Christensen	\$7,656
Flynn Drilling	\$8,757
JCI	\$11,980

At this time, I am requesting approval to allow the low bidder, Layne Christensen, to replace broken line shafts, and re-install the #1 High Service Pump with new pump end. This replace/rebuild is a capital improvement item to be paid for with City funds from line item 500-5-4425-234.

If you have any questions, please contact me.

Cc: Gary Johnson, file



February 22, 2013

Fax (417) 448-2717

Nevada Water Treatment Plant
1300 West Cherry
Nevada, Missouri 64772

Regarding: Proposal to Replace and Install High Service Pump No. 1

Dear Mr. Tipper:

Thank you for requesting a proposal from Layne Christensen Company (Layne) to replace the pump bowl and install High Service Pump No. 1 for Alliance Water Resources (Alliance) and the City of Nevada, Missouri. Our proposal is based upon the design information provided in your January 10, 2013 request, as well as our years of experience in the waterworks industry.

Layne proposes to mobilize a 2 man crew to Nevada with the equipment necessary to install a new pump bowl on the existing column pipe of High Service Pump No. 1. Per your quote letter, City will deliver High Service Pump #1 to our shop (KCK). Our Labor and material rates to complete this work are as follows:

- Mobilization/Demobilization and set up
(4.5 hours @ \$165 per hour).....\$742
- Reinstall high service pump, 2 man crew
(5 hours@ 180 per hour).....\$900
- Vehicle mileage
(\$1.00/mile X 196 miles round trip).....\$294
- Lineshafts, couplings, sleeves, bearing, insert.....\$1,240
- 11 CLC, 3 stage replacement pump bowl -designed for 800gpm @162TDH
with silicone bronze impellers.....\$4,480

The total cost to replace the pump bowl is \$7,656.

One year manufactures' warranty of pump bowl. Labor to pull pump bowl for warranty inspection not included as part of warranty.

Our pricing does not include any taxes, bonds, special insurances (such as OCP), or prevailing wages and is valid for 30 days.

Please let us know if you have any questions regarding this proposal or if you would like to proceed with scheduling the proposed work. Again, thank you for the opportunity to assist you with this important project.

WATER RESOURCES



WATER RESOURCES

Respectfully submitted.

Steve FitzGerald
Account Manager
Layne Christensen Company

913-321-5000
(M) 913-707-4819

WATER RESOURCES

620 South 38th Street, Kansas City, KS 66106 | Office: 913.321.5000 | Fax: 913.321.5012 | layne.com



FLYNN DRILLING COMPANY

COMPLETE WATER SERVICES

TROY 1340 Boone Street Troy, MO 63379 636-528-6137 Fax 636-528-6156
ROLLA 1039 Kingshighway Rolla, MO 65401 573-341-8444 Fax 573-341-5353

PROPOSAL

Owner City of Nevada / Alliance w/ Joe Tippin For 417-448-3717
Address 1500 W. Chevy Nevada MO 64772 Phone 417-448-3757
Location of Property (Legal Description) Water Treatment Plant

WE hereby submit specifications and estimates for:

- 1 - 3.5hp 12 RKBM hard-VA-Poul 43.5" impellers,
- 2 - 1 1/2" x 5' ss shafts
- 1 - 1 1/4" x 5' shaft w/ nut
- 1 - 3/8" ID rubber bearing
- 1 - 1 1/2" stuffing box BRG
- 1 - set of GFD packing
- 3 - 1 1/2" ss line shaft comp.

Estimated price installed \$8,752⁰⁰

* please note that this price is the same for bronze impellers.

FLYNN DRILLING COMPANY, INC.

ACCEPTED BY

BY: [Signature]
DATE 1-17-13

X _____
X _____

All work done by the contractor shall be paid for upon completion. Owner agrees to pay a service charge on any unpaid balance after 10 days at the rate of 1.5% per month and, further, agrees that he (they) shall be responsible for all court costs and attorney's fees incurred in the collection of any balance due on this contract if attorney's fees and court costs are incurred in the collection.



1161 SE Hamblen Rd.
Lee's Summit, MO 64081
United States
Tel: 816-625-3320
Fax: 816-525-5881
<http://www.jcind.com>

Quote #: 0502033500DTL

Item	Description	Qty.	Unit Price	Subtotal
1.00	#1 High Service Pump Repair w/ New Bowl Assembly	1	\$11,980.00	\$11,980.00

Based on our limited inspection of the unit we determined the repair scope will be as follows:

- Replacement of all line shaft with new stainless steel line shaft (3 pieces)
- Replace (3) line shaft couplings (stainless steel)
- Replace (1) pop-in style cutlass rubber bearing
- Replace stuffing box bearing and packing
- Replace line shaft sleeve (stainless steel)
- NEW 3 Stage Bowl Assembly w/ Bronze Impellers, Stainless Steel Collets and Hardware (Designed for 800 GPM at 162 TDH)

Delivery, installation, alignment and start up included.
Warranty for the unit will be 1 year from date of installation / start up.

Total **\$11,980.00**

Terms & Conditions

Proposed Shipping Date 4 Weeks After Receiving Order

Payment Terms Net 30

Shipping Method Best Way

Shipping Terms FIELD SERVICE

F.O.B. Warehouse

This Quotation is valid for 30 days.