

**RESOLUTION 13-104**

**A RESOLUTION TO AUTHORIZE THE PURCHASE AND  
INSTALLATION OF A NEW HOIST AND PUSH TROLLEY FOR THE  
INFLUENT PUMP STATION**

**WHEREAS**, the Spring Hill Wastewater Treatment Plant is in need of a hoist for the influent pump station; and

**WHEREAS**, the project engineer has made a recommendation to purchase and install a new 2 ton Hoist and Push Trolley and 40 feet of festooning electrification; and

**NOW, THEREFORE BE IT RESOLVED**, that the City of Spring Hill authorizes the purchase and installation of a new two ton Hoist with Push Trolley and forty feet of festooning electrification for the influent pump station in the amount of \$5,830.00 to Garrison Service Company, as recommended by the Budget and Finance Advisory Committee on October 14, 2013.

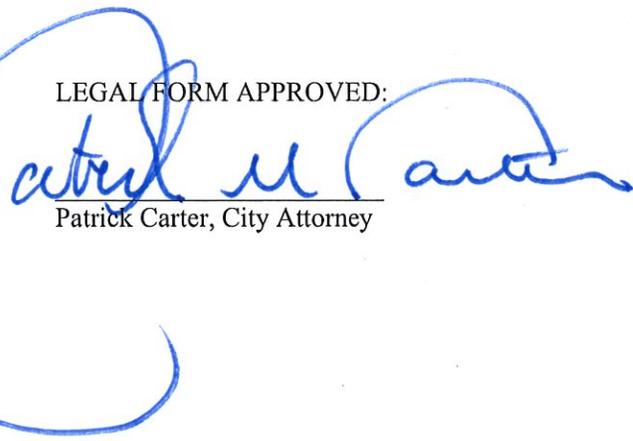
**Passed and adopted by the Board of Mayor and Aldermen of the City of Spring Hill, Tennessee on the 21<sup>st</sup> day of October, 2013.**

  
\_\_\_\_\_  
Ricky Graham Mayor

ATTEST:

  
\_\_\_\_\_  
April Goad, City Recorder

LEGAL FORM APPROVED:

  
\_\_\_\_\_  
Patrick Carter, City Attorney

**Zimbra****agoad@springhilltn.org**

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**Fwd: Quotes on Hoist Rebuild Vs New Hoist for the Influent Pump Station**

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**From :** Victor Lay <vlay@springhilltn.org> Fri, Oct 11, 2013 11:12 AM  
**Subject :** Fwd: Quotes on Hoist Rebuild Vs New Hoist for the Influent Pump Station  
**To :** April Goad <agoad@springhilltn.org>

See the attached email train and include it for background info for this item. Have a resolution to spend the \$5,830 for option #2.

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**From:** "Allen Stephens" <astephens@ctiengr.com>  
**To:** "Victor Lay" <vlay@springhilltn.org>  
**Sent:** Monday, October 7, 2013 4:04:59 PM  
**Subject:** Re: Quotes on Hoist Rebuild Vs New Hoist for the Influent Pump Station

Victor,

The Hoist folks say they can deliver a new hoist in about 1 week after order is placed. That seems a bit optimistic to me. I would think 2 weeks would be a better time to plan for.

Let me know once you have made a decision on the hoist.

Regards,

Allen D. Stephens, PE

CTI Engineers, Inc  
Phone: 423-267-7613  
Fax: 423-267-0603  
e-mail: [astephens@ctiengr.com](mailto:astephens@ctiengr.com)

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On Fri, Oct 4, 2013 at 10:50 AM, Victor Lay <[vlay@springhilltn.org](mailto:vlay@springhilltn.org)> wrote:

Ok. Will let you know. Do we have any other credits left from other work?

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**From:** "Allen Stephens" <[astephens@ctiengr.com](mailto:astephens@ctiengr.com)>

**To:** "Victor Lay" <[vlay@springhilltn.org](mailto:vlay@springhilltn.org)>, [jvrdoljak@springhilltn.org](mailto:jvrdoljak@springhilltn.org)

**Cc:** "Travis Massey" <[tmassey@springhilltn.org](mailto:tmassey@springhilltn.org)>, "Bill Richard" <[brichard@ctiengr.com](mailto:brichard@ctiengr.com)>

**Sent:** Thursday, October 3, 2013 5:53:43 PM

**Subject:** Quotes on Hoist Rebuild Vs New Hoist for the Influent Pump Station

Victor,

At our last progress meeting last Wed we discussed the need to resolve what to do regarding the hoist for the influent pump station.

The original plans simply call for removal of the existing hoist from the jib crane after it was removed and install it on a new hoist monorail framing system that would allow use in removing and servicing the two existing Flygt pumps plus the two new larger Flygt pumps being provided.

The existing jib crane has a 2-ton rating however the existing hoist has a rating of only 1 ton. The two new pumps provided with cooling jackets have a weight of 2,050 pounds, which is just slightly over the 1-ton. I've been told that most hoist have a 1.25 service factor design, however, Jim Vrdoljak indicates the existing hoist has received some heavy use and some abuse and has probably been in service since about 2000 and does not feel comfortable in trying to use this existing hoist and neither do I.

Therefore, I have explored two options:

**Option No. 1** - Used existing 2 ton Coffman hoist removed from the top floor of the old dewatering room. It will require installing a new longer chain replacement of limits swithes, etc. This hoist was manufactured in year 2000 and is a 2 sheeved hoist which would require approximately 85 ft of new chain and possible other parts and labor during tear-down and re-build.

**Option No. 1** - Estimated Cost with Installation: **\$4,362** (see attached info from Garrison Service Company). Could be even more if worn parts are found during re-build.

**Option No. 2** - Purchase and install new 2 ton Hoist with push trolley and 40 ft of festooning electrification. (See Attached info from Garrison Service Company)

**Option No. 2** - Estimated Cost with Installation: **\$5,830**. See attached quote.

I spoke briefly with Jim Vrdoljak late this afternoon and told him I would be forwarded you and him this information so you can review and discuss in detail and provide guidance on how you would like to proceed.

Garrison Service Company (or Hoist & Crane Company) located on Fernco Drive in Nashville is the authorized Coffing Hoist service company therefore they are the sole source of my pricing and cost of a new Herrington Hoist.

For both options I have utilized \$1,500 for the cost of installation which was the quote to have the supplier of the new hoist install and warrant a new installation.

PF Moon's scope of work included removal and re-installation so they could be directed to install the new hoist, however, I'm sure they would claim they would be entitled to additional compensation mainly to cover the cost of installing a new festooning electrification system versus simply re-hanging the old existing hoist and electrification (which is likely to be inadequate for a new hoist).

Please discuss with Jim and Bill if you would like and provide guidance on how you would like to proceed.

I requested a delivery time for a new hoist but the quote submitted did not include one, so I've left a message to provide me that information.

Let me know if you want to discuss or have questions.

Regards,

Allen D. Stephens, PE

CTI Engineers, Inc  
Phone: 423-267-7613  
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