



**TRANE®**

# R'newal™ Service Program

*Todd County High School*



## Trane Series RTAA Chillers



**Harshaw Trane**

**PROPOSAL**

**TO:** Mr. Mike Kenner  
Superintendent  
Todd County Schools  
515 W. Main St.  
Elkton, KY 42220

**NO:** 090422-007 **DATE:** May 1, 2009

**PROJECT:** Chiller compressors R'Newal

**SUBMITTED BY:** Steve Hampton  
Account Manager

#### **EQUIPMENT TO BE SERVICED**

**Equipment Manufacturer and Type:** Trane located at Todd County High School  
**Qty:** 1 **Model #:** RTAA215 **Serial #:** U97H04410

#### **DESCRIPTION**

Due to the age of the chiller, and operating hours, a chiller R'Newal service on the compressors is recommended.

#### **SERVICES TO BE PERFORMED**

- Meg the two compressors and send results to Trane for R'Newal appraisal.
- Take an oil sample and a refrigerant sample from each circuit on the chiller, and send to Trane lab for analysis.
- Isolate electrical service to the chiller, lock out / tag out.
- Perform a visual check on chiller.
- Recover, and weigh refrigerant from chiller.
- Recover oil from chiller.
- Remove electrical wiring from the two compressors.
- Remove electrical wiring from the high pressure controls.
- Remove the two compressors from the chillers.
- Install two factory provided R'Newal compressors in chiller using new gaskets, and o-rings as needed.
- Reinstall the electrical wiring to each compressor.
- Remove the high pressure controls from the chiller.
- Supply, and install new high pressure controls.
- Reinstall the electrical wiring to the new high pressure controls.
- Distill recovered refrigerant.
- Leak test, evacuate, and recharge chiller using recovered refrigerant.
- Recharge chiller with new oil.
- Restore electrical power to the chiller, remove lock out / tag out.
- Start up chiller, and verify proper operation.
- Disposal of recovered oil is included by Harshaw Trane.
- 2 year parts and labor warranty for the compressors only (see pricing options for additional 3-5 year compressor parts and labor warranty offerings).

## NOTES

- This proposal is to perform the R'Newal on all (2) two compressors at one time. Phasing this to do the work one compressor at a time would increase rigging and mobilization needs. If the project is to be phased into two, please advise and Harshaw Trane will revise the estimate.
- Trane requires a passing grade for an oil and refrigerant analysis prior to accepting the compressors for the R'Newal program.
- This proposal is valid for 30 days.
- The R'Newal is contingent upon satisfactory oil analysis results, and meg readings.
- This proposal does not include the addition of any new refrigerant that may be needed in order to bring the chiller up to proper operating charge.
- The returned compressor cores will be inspected for internal damage when received at the factory. If damage, or failure is discovered, then a quote for replacement of the parts will be given to customer. (Example: rotor, stator, housing.) Digital pictures of damage will be presented to customer.
- The compressor contactors will be inspected at the time of R'newal. If contactors need to be replaced, then a proposal will be issued to customer.
- The condition of the condenser coils will be noted.
- The R'Newal compressors will have a two year parts, and labor warranty.
- This proposal is based on current parts/material standard availability; final scheduling of project will be determined based on parts/material availability at time of order.

## PRICING

Fixed Price (includes 2 year parts, and labor warranty on compressors) .....\$37,778.00

Optional Add to include 5 year parts, and labor warranty on compressors .....Add \$6,027.00

### NOTE:

1. Trane requires that a service agreement with Harshaw Trane Service be included for the entire warranty period for the 5 year warranty option to be purchased.

This proposal and the terms and conditions on the reverse side are hereby accepted and Harshaw Trane is authorized to proceed with the work.

### Customer

By: \_\_\_\_\_

Date: \_\_\_\_\_

Title: \_\_\_\_\_

PO#: \_\_\_\_\_

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# HARSHAW TRANE SERVICE (HTS)

## TERMS AND CONDITIONS

By accepting this proposal, Purchaser agrees to be bound by the following terms and condition.

1. **SCOPE OF WORK.** This proposal is based upon the use of straight time and labor only, unless so indicated. Plastering, patching and painting are excluded. "In-line" duct and piping devices, including, but not limited to, valves, dampers, humidifiers, wells, taps flow meters, orifices, etc., if required hereunder to be furnished by HTS shall be distributed and installed by others under HTS supervision but at no additional cost to HTS. Purchaser agrees to provide HTS with required field utilities (electricity, toilets, drinking water, project hoist, elevator service etc.) without charge. HTS agrees to keep the job site clean of debris arising out of its own operations. Purchaser shall not back charge HTS for cleanup costs without HTS written consent.
2. **INVOICING & PAYMENTS.** Terms are NET TEN (10) DAYS. Invoicing as follows: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
3. **MATERIALS.** If the material or equipment included in this proposal become temporarily or permanently unavailable for reasons beyond the control and without the fault of HTS then in the case of such temporary unavailability, the time for performance of the work shall be extended to the extent thereof, and in the case of permanent unavailability, HTS shall (a) be excused from furnishing said materials or equipment, and (b) be reimbursed for the difference between the cost of the materials or equipment permanently unavailable and the cost of a reasonably available substitute therefore.
4. **WARRANTY.** HTS warrants that the equipment furnished by it shall be free from defects in material and workmanship arising from normal usage for a period of one (1) year from delivery of said equipment, or if installed by HTS for a period of one (1) year from installation. For equipment installed by HTS if Purchaser provides written notice to HTS of any such defect within thirty (30) days after the appearance or discovery of such defect HTS shall, at its option, repair or replace the defective equipment. For equipment not installed by HTS if Purchaser returns the defective equipment to HTS within (30) days after appearance or discovery of such defect, HTS shall, at its option repair or replace the defective equipment and return said equipment to Purchaser. All transportation charges incurred in connection with the warranty for equipment not installed by HTS shall be borne by Purchaser. These warranties do not extend to any equipment which has been repaired by others, abused, altered or misused, or which has not been properly and reasonably maintained. THESE WARRANTIES ARE IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THOSE OF MERCHANTABILITY AND FITNESS FOR A SPECIFIC PURPOSE.
5. **LIABILITY.** HTS shall not be liable for any special, indirect or consequential damages arising in any manner from the work performed pursuant to this agreement.
6. **TAXES.** The price of this proposal does not include duties, sales, use excise, or other similar taxes, unless so indicated. Purchaser shall pay in addition to the stated price, all taxes not legally required to be paid by HTS, or, alternatively, shall provide HTS with acceptable exemption certificates. HTS shall provide Purchaser with any tax payment certificate upon request and after completion and acceptance of the work.
7. **DELAYS.** HTS shall not be liable for any delay in the performance of the work resulting from or attributed to acts or circumstances beyond HTS control, including, but not limited to, acts of God, fire, riots, labor disputes etc.
8. **COMPLIANCE WITH LAWS.** HTS shall comply with all applicable federal, state and local laws and regulations and shall obtain all temporary licenses and permits required for the prosecution of the work. Licenses and permits of a permanent nature shall be procured and paid by the Purchaser.
9. **ATTORNEY'S FEES.** Purchaser agrees that he will pay and reimburse HTS for any and all reasonable attorneys' fees, which are incurred by HTS in the collection of amounts due and payable hereunder.
10. **INSURANCE.** Insurance coverage in excess of HTS standard limits will be furnished when requested and required at an additional charge. No credit will be given or premium paid by HTS for insurance afforded by others.
11. **INDEMNITY.** The parties hereto agree to indemnify each other from any and all liabilities, claims, expenses, losses or damages, including attorneys' fees, which may arise in connection with the execution of the work herein specified and which are caused, in whole or part, by the negligent act or commission of the other Party.
12. **OCCUPATIONAL SAFETY AND HEALTH.** The parties hereto agree to notify each other immediately upon becoming aware of an inspection under, or any alleged violation of, the Occupational Safety and Health Act relating in any way to the project or project site.
13. **ENTIRE AGREEMENT.** This proposal, upon acceptance, shall constitute the entire agreement between the Parties and supersedes any prior representations or understandings.
14. **CHANGES.** No change or modification of any of the terms and conditions stated herein shall be binding upon HTS unless accepted by HTS in writing.

Emergency ☐

District: Todd County Schools District Code: 551 Facility Name: Todd Co High School School Code: 095

Grade Level Served: 9-12 Current Student Capacity: \_\_\_\_\_ District Organization Plan: \_\_\_\_\_

I. DESCRIPTION AND SCOPE OF PROPOSED PROJECT

A. Check and complete the applicable items:

1. \_\_\_\_\_ New Building
2. \_\_\_\_\_ Addition
3. X Renovation or Alteration (Describe) Major manufacturer certified preventative maintenance repairs to one chiller at Todd Co High School due to run hours, start/stops, and age of both machines
4. \_\_\_\_\_ Relocatable Classroom. Number \_\_\_\_\_ Size \_\_\_\_\_
5. \_\_\_\_\_ Equipment/Furnishings Procurement (Describe) \_\_\_\_\_
6. \_\_\_\_\_ Other (Describe) \_\_\_\_\_
7. Site (Complete the Following)
  - a. Site Acquisition \_\_\_\_\_ Expansion \_\_\_\_\_ Number of Acres \_\_\_\_\_
  - b. A site has been acquired in accordance with 702 KAR 4:050 regulations \_\_\_\_\_  
Initials of District Superintendent \_\_\_\_\_
  - c. Location \_\_\_\_\_
  - d. Proposed site currently owned by District: Yes ☐ or No ☐

B. Compliance with 702 KAR 1:001/702 KAR 4:160

This application is being submitted for (refer to current plan):

1. Priority Category: \_\_\_\_\_
2. Discretionary Item Number: \_\_\_\_\_
3. Minor project not listed on Facility Plan: X

IF NONE OF THE ABOVE APPLY, YOUR FACILITY PLAN WILL NEED TO BE AMENDED.

C. Please provide a complete narrative of the proposed project.

-Meg compressors, take oil & refrigerant samples and send to Trane lab, Isolate electrical service, lock out/tag out  
-Perform visual checks on chillers, recover & weigh refrigerant, recover oil, remove electrical wiring from compressors  
-Remove all four compressors, Install four (4) factory 'R'Newal' compressors w/new gaskets & o-rings, re-install wiring  
-Remove & replace high pressure controls & re-install electrical wiring to high pressure controls  
-Distill recovered refrigerant, leak test, evacuate, & recharge chillers using recovered refrigerant, recharge w/new oil  
-Restore electrical power to all chillers, remove lock out/tag out  
-Startup chillers and verify proper operation  
-Dispose of recovered oil per EPA requirements

LOCAL BOARD ORDER AUTHORIZING PROJECT AND NARRATIVE JUSTIFICATION MUST BE ATTACHED.

II. PROPOSED PLAN TO FINANCE APPLICATION

A. Statement of Probable Cost:

1. Total Construction Cost	\$37,778
2. Architect/Engineer Fee	_____
3. Construction Manager Fee	_____
4. Bond Discount	_____
5. Fiscal Agent Fee	_____
6. Contingencies	_____
7. Site Acquisition	_____
8. Equipment/Furnishings	_____
9. Equipment/Computers	_____
10. Technology Network System (KETS)	_____
11. Other	_____
<b>Total Estimated Cost</b>	<b>\$37,778</b>

B. Funds Available:

1. SFCC Cash Requirement	_____
2. SFCC Bond Requirement	_____
3. SFCC Bond Sale	_____
4. Local Bond Sale	_____
5. Cash - General Fund	_____
6. Cash - Capital Outlay	\$37,778
7. Cash - Building Fund	_____
8. Cash Investment Earnings	_____
9. KETS	_____
10. Other	_____
11. Other	_____
<b>Total Funds Available</b>	<b>\$37,778</b>

THE ABOVE INFORMATION IS A STATEMENT OF PROBABLE COST AND FUNDS AVAILABLE AND IS REQUIRED TO BE REVISED TO CORRESPOND TO ACTUAL BIDS RECEIVED PRIOR TO THE SIGNING OF CONSTRUCTION CONTRACTS.

**TO BE COMPLETED ON INITIAL & REVISED APPLICATION:** The signing of this financial document certifies the above stated funds are available and designated for this project during this fiscal year.

\_\_\_\_\_  
Superintendent \_\_\_\_\_ Date \_\_\_\_\_  
\_\_\_\_\_  
Chairman \_\_\_\_\_ Date \_\_\_\_\_

ORIGINAL SIGNATURES REQUIRED

NOTE: Any district anticipating the financing of this and/or other projects in a combined school revenue Bond should discuss the financing with the Director of Division of Finance.

**TO BE COMPLETED ON INITIAL APPLICATION:**

This building project application is approved by the Division of Facilities Management indicating compliance with current facility plan or minor project under 702 KAR 1:010.

Comments: \_\_\_\_\_

\_\_\_\_\_  
Director/Branch Manager, Facilities Management

Date: \_\_\_\_\_

**TO BE COMPLETED ON INITIAL APPLICATION WHEN KETS**

**FUNDING IS INDICATED:** Technology Approval: Application approval based on available KETS funding and conformance with approved district technology plan. Disbursement of these funds may require additional approval.

Comments: \_\_\_\_\_

\_\_\_\_\_  
Director, Division of Systems Support, Education Technology

Date: \_\_\_\_\_

**TO BE COMPLETED ON INITIAL & REVISED APPLICATION:**

Financial Approval: Tentative approval based upon financial information provided this office in support of projected cost.

Comments: \_\_\_\_\_

\_\_\_\_\_  
Director/Branch Manager, Division of Finance

Date: \_\_\_\_\_

**TO BE COMPLETED ON INITIAL APPLICATION:**

This building project application is hereby approved according to the condition outlined in the application. You should now proceed in accordance with the attached checklist.

Comments: \_\_\_\_\_

\_\_\_\_\_  
Associate Commissioner, District Support Services

Date: \_\_\_\_\_

LOCAL BOARD ORDER AUTHORIZING PROJECT MUST BE ATTACHED ON INITIAL & REVISED APPLICATIONS.