ADDENDUM No. 1  
RFP No. 22-23  
Justice Center HVAC Condenser Replacement  
Due: March 31, 2022 at 10:00 A.M. (local time)

The information contained herein shall take precedence over the original documents and all previous addenda (if any) and is appended thereto. This Addendum includes eleven (11) pages.

The Proposer is to acknowledge receipt of this Addendum No. 1, including all attachments in its Proposal by so indicating in the proposal that the addendum has been received. Proposals submitted without acknowledgement of receipt of this addendum may be considered non-conforming.

The following forms provided within the RFP Document should be included in submitted proposal:

- Attachment D - Prevailing Wage Declaration of Compliance
- Attachment E - Living Wage Declaration of Compliance
- Attachment G - Vendor Conflict of Interest Disclosure Form
- Attachment H - Non-Discrimination Declaration of Compliance

Proposals that fail to provide these completed forms listed above upon proposal opening may be rejected as non-responsive and may not be considered for award.

I. CORRECTIONS/ADDITIONS/DELETIONS

Changes to the RFP documents which are outlined below are referenced to a page or Section in which they appear conspicuously. Offerors are to take note in its review of the documents and include these changes as they may affect work or details in other areas not specifically referenced here.

<table>
<thead>
<tr>
<th>Section/Page(s)</th>
<th>Change</th>
</tr>
</thead>
</table>
| Page 14  
Section III.C.4 | Remove the following as provided in RFP No. 22-23 Document: Documentation of how the bidder assesses the skills and qualifications of any employees who do not have master or journeyperson certification or status, or are not participants in a Registered Apprenticeship Program. |

Comment: The intent with this change is to simply remove the 4th criteria for Section III.C – Workforce Development that was erroneously included in the originally published RFP Document.

II. QUESTIONS AND ANSWERS

The following Questions have been received by the City. Responses are being provided in accordance with the terms of the RFP. Respondents are directed to take note in its review of the
documents of the following questions and City responses as they affect work or details in other areas not specifically referenced here.

Question 1: Since the condensing unit is being pre-purchased by the Owner, can you provide the cost of the condensing unit – as an installing contractor, we would be required to pay the use tax on this equipment?
Answer 1: The cost of the condensing unit is $56,500.00.

Question 2: Please provide any submittals/shop drawings of the pre-purchased condenser unit showing weight of unit, piping diagrams, and wiring diagrams?
Answer 2: See attached Technical data sheets and the quote from Thermalnetics for the ACCU.

Question 3: Will the City provide the sign-in sheet from the Pre-Proposal Meeting?
Answer 3: Yes, the sign-in sheet and agenda from the pre-proposal meeting are attached hereto.

Offerors are responsible for any conclusions that they may draw from the information contained in the Addendum.
### Technical Data Sheet for ACCU-1

#### Job Information
- **Job Name:** City of Ann Arbor
- **Date:** 1/19/2022
- **Submitted By:** Rick Gates
- **Software Version:** 08.40
- **Unit Tag:** ACCU-1

#### Unit Overview
<table>
<thead>
<tr>
<th>Model Number</th>
<th>Voltage V/Hz/Phase</th>
<th>Total Refrigeration Effect Btu/hr</th>
<th>Total Unit Power kW</th>
<th>EER AHRI Conditions</th>
<th>IEER AHRI Conditions</th>
<th>ASHRAE 90.1</th>
</tr>
</thead>
<tbody>
<tr>
<td>RCS075C</td>
<td>460/60/3</td>
<td>903440</td>
<td>92.6</td>
<td>9.8</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Unit
- **Model Number:** RCS075C
- **Type:** Applied
- **Approval:** ETL - USA
- **Refrigerant Type:** R407C
- **No. of Refrigerant Circuits:** 2
- **Refrigerant Weight:** 55.0 lb

#### Condensing Section
<table>
<thead>
<tr>
<th>Temperature</th>
<th>Altitude</th>
<th>Refrigeration Effect</th>
<th>Power</th>
</tr>
</thead>
<tbody>
<tr>
<td>Suction</td>
<td>Ambient</td>
<td></td>
<td></td>
</tr>
<tr>
<td>45.0 °F</td>
<td>95.0 °F</td>
<td>903440 Btu/hr</td>
<td>92.6 kW</td>
</tr>
</tbody>
</table>

#### Compressor
- **Quantity:** 6
- **Type:** Scroll
- **Capacity Control:** 6 steps
- **Compressor Isolation:** Resilient
- **Full Load Current:**
  - Compressor 1: 23.4 A
  - Compressor 2: 23.4 A
  - Compressor 3: 23.4 A
  - Compressor 4: 23.4 A
  - Compressor 5: 23.4 A
  - Compressor 6: 23.4 A

#### Condenser
<table>
<thead>
<tr>
<th>Type</th>
<th>Number of Rows</th>
<th>Fins per Inch</th>
<th>Fans Condenser Fan Type</th>
<th>Quantity</th>
<th>Full Load Current</th>
</tr>
</thead>
<tbody>
<tr>
<td>Copper tube</td>
<td>2</td>
<td>16</td>
<td>Standard</td>
<td>8</td>
<td>2.80 A</td>
</tr>
</tbody>
</table>

#### Sound
<table>
<thead>
<tr>
<th>Casing Radiated Sound Power (db)</th>
<th>63 Hz</th>
<th>125 Hz</th>
<th>250 Hz</th>
<th>500 Hz</th>
<th>1 kHz</th>
<th>2 kHz</th>
<th>4 kHz</th>
<th>8 kHz</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0</td>
<td>97</td>
<td>94</td>
<td>94</td>
<td>91</td>
<td>89</td>
<td>88</td>
<td>86</td>
</tr>
</tbody>
</table>
Technical Data Sheet for ACCU-1

### Physical

<table>
<thead>
<tr>
<th>Dimensions and Weight</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Length</td>
<td>119.0 in</td>
</tr>
<tr>
<td>Height</td>
<td>73.0 in</td>
</tr>
<tr>
<td>Width</td>
<td>99.0 in</td>
</tr>
<tr>
<td>Operating Weight</td>
<td>3938 lb</td>
</tr>
</tbody>
</table>

### Connections

<table>
<thead>
<tr>
<th>Connection</th>
<th>Connection Sizes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Suction Line Circuit</td>
<td>(2) 2.12 in.</td>
</tr>
<tr>
<td>Liquid Line Circuit</td>
<td>(2) 0.88 in.</td>
</tr>
<tr>
<td>Hot Gas Bypass Circuit</td>
<td>(2) 0.88 in.</td>
</tr>
</tbody>
</table>

### Electrical

<table>
<thead>
<tr>
<th>Voltage</th>
<th>MROPD</th>
<th>Field Power Connection</th>
<th>MCA</th>
<th>SCCR</th>
<th>Field Outlet Connection</th>
</tr>
</thead>
<tbody>
<tr>
<td>460/60/3 V/Hz/Phase</td>
<td>175 A</td>
<td>Single power block</td>
<td>169.9 A</td>
<td>10 kAIC</td>
<td>115V, 20 amp service</td>
</tr>
</tbody>
</table>

**Note:** Use only copper supply wires with ampacity based on 75° C conductor rating. Connections to terminals must be made with copper lugs and copper wire.

### Options

#### Unit

- **Hot Gas Bypass:** HGBP Tee (See Accessory Tab)
- **Condenser Coil Options:** Aluminum fins
- **Electrical Options:** Phase failure, Ground fault protection
- **Field Connection:** Single power block
- **Wiring Options:** Standard
- **GFI Receptacle:** Field powered

#### Unit Control

- **Temperature Controls:** No temp control, 115 V transformer
- **Low Ambient Control:** Speedtrol, Low ambient control to 0 degrees F

### Warranty

- **Parts:** Standard one year parts
- **Compressor:** Extended four year compressor, five year total

### Notes

R407C selections are not compliant with current ASHRAE 90.1 minimum EER requirements

### Accessories

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>403581520</td>
<td>HGBP kit, Circuit 1 and 2</td>
</tr>
<tr>
<td>403581525</td>
<td>Liquid line piping kit, replaceable core, 070C-075</td>
</tr>
</tbody>
</table>

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**Job Number:** QHQTQI  
**Job Name:** City of Ann Arbor  
**Page:** 2  
**Prepared Date:** 1/19/2022  
**Job Name:** City of Ann Arbor  
**Page:** 2  
**Prepared Date:** 1/19/2022  
**www.DaikinApplied.com**
Liquid Line Kit with Replaceable Core

Part Numbers:
- RCS025-040C: 403581543
- RCS025-060C: 403581510
- RCS070-075C: 403581525
- RCS070-090C: 403581528
- RCS105-135C: 403581541

Description
The liquid line kit will consist of a solenoid valve, moisture indicator sight glass, and filter drier. Dual circuit units (RCS025-135C) will have a quantity of two for the components since there are two circuits.

Note: TX valves are not included and will need to be field sourced.

Included

- Sight glass
- Filter drier shell
- Filter drier core
- Solenoid valve

Image courtesy of Sporlan Division – Parker Hannifin Corporation
Sealed Liquid Line Kit

Part Number
RC5025-030C  403581503
RC5025-060C  403581506
RC5025-075C  403581521
RC5025-090C  403581522
RC5025-135C  403581524

Description
The liquid line kit consists of a solenoid valve, moisture indicator sight glass, and filter drier. Dual circuit units (RC5025-135C) will have a quantity of two for the components since there are two circuits. TX valves are not included and must be field sourced.

Included

<table>
<thead>
<tr>
<th>Sight glass</th>
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<tr>
<td><img src="image1" alt="Sight glass image" /></td>
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</table>

<table>
<thead>
<tr>
<th>Solenoid valve</th>
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<tr>
<td><img src="image2" alt="Solenoid valve image" /></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Solid core filter drier</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image3" alt="Solid core filter drier image" /></td>
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</tbody>
</table>

Images courtesy of Spartan Division - Parker Hannifin Corporation
Date: January 21, 2022

To: Interested Contractors

Subject: City of Ann Arbor Air Cooled Condensing Unit Replacement
ThermalNetics Offering
Quote#: V0023JHS

Terms & Conditions: F.O.B. Factory, Payment Net 30 Days, Freight Allowed/Prepaid to First Destination, No Taxes Included. In The Event They Were Not Transmitted With This Proposal, ThermalNetics, Incorporated Standard Terms And Conditions Are Applicable. If You Have Any Questions, Please Contact Our Office. Pricing is Valid for 30 Days. Separate Purchase Orders may be required.

---

Mark: ACCU-1

Qty: 1

Qty (1) Daikin Applied Air Cooled Condensing Unit complete with the following:

- 460/3/60 Voltage
- R407C Refrigerant
- Single power block power connection
- Phase failure & ground fault protection
- GFI convenience outlet factory installed – To be field wired by others
- 115V transformer factory installed
- Dual circuit
- Low ambient operation down to 0 degrees Fahrenheit
- Refrigeration system details
  - Refrigerant not included
  - Refrigerant piping, installation not included
  - TXV's not included
  - Hot gas bypass kit for both circuits ships loose for field installation
  - replaceable Filter core ships loose for field installation
- All Controls, etc. by TCC, Controls not included
- Condensing unit rails to be provided by others

Please note the following

- The Existing RPS unit
  - Has Micro Tech II controls. These will need to be replaced along with the DDC controller. The Microtech II is no longer supported with parts or upgrades.
  - The new Condensing unit will need to be piped into place (not included).
  - Suggest flushing existing coil, and replacing refrigerant specialties.

- One (1) year parts & five (5) year compressor parts only warranties (begins at startup)
- Daikin Startup is included,
  - but only after;
  - The system has piped, leakchecked and been evacuated to 500 microns for 24 hrs
  - The refrigerant charged into system (by installing contractor).
  - The controls are installed and operational
• 1st year Labor warranty is included (begins at startup)
• Storage costs NOT included.
  o Unloading, loading and storage not included
• Freight included to single destination.
• Commissioning not included
• Installation by others

The Price, F.O.B. Factory (FOB Jobsite Not Included), Freight Allowed & Prepaid, for equipment and services described above shall be .................................................................................................................. $ 56,500.00 (Tax Not Included)

Note: Please add 6% State of Michigan sales taxes which are NOT included in the above price.

If applicable, add 6% State of Michigan sales and use taxes, which are NOT included in the above price.
ADD: ......................$3,390.00 for 6% MI State sales taxes.

Please Note:
COVID-19 NATIONAL EMERGENCY AND GLOBAL SUPPLY CHAIN MANAGEMENT CHALLENGE CLAUSE: The parties agree that they are entering into this Agreement while the nation is in the midst of a national emergency due to the Covid-19 pandemic ("Covid-19") and global supply chain management challenge ("Supply Chain Management Challenge"). With the continued existence of Covid-19 and the evolving guidelines and executive orders, it is difficult to determine the impact of the Covid-19 and Supply Chain Management Challenge on ThermalNetics and its Sub-contractors / Suppliers performance under this Agreement. Consequently, the parties agree as follows:

i. Each party shall use commercially reasonable efforts to perform its obligations under the Agreement and to meet the schedule and completion dates, subject to provisions below;

ii. Each party will abide by any federal, state (US), provincial (Canada) or local orders, directives, or advisories regarding the Covid-19 with respect to its performance of its obligations under this Agreement and each shall have the sole discretion in determining the appropriate and responsible actions such party shall undertake to so abide or to safeguard its employees, subcontractors, agents and suppliers;

iii. Each party shall use commercially reasonable efforts to keep the other party informed of pertinent updates or developments regarding its obligations as the Covid-19 and Supply Chain Management Challenge situation evolves; and

iv. If ThermalNetics and/or its Sub-contractors / Suppliers performance is delayed or suspended as a result of the Covid-19 or Supply Chain Management Challenge, ThermalNetics and its Sub-Contractors / Suppliers shall be entitled to an equitable adjustment to the project schedule and/or the contract price. ThermalNetics and its Suppliers are not responsible for back charges and will not accept liquidated damages due to Covid-19 or Supply Chain Management Challenge.

PRICING IS VALID FOR 30 DAYS.

Please call me if you have any questions regarding this offer, or if I can be of any other assistance at (248) 276-3300.

Sincerely,

Sales Engineer
<table>
<thead>
<tr>
<th>Name</th>
<th>Phone</th>
<th>Company</th>
<th>Address</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harold Omer</td>
<td>517-419-3872</td>
<td>RClass Constructors</td>
<td>314-34-475</td>
<td><a href="mailto:Harold.Omer@RClass.com">Harold.Omer@RClass.com</a></td>
</tr>
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<tr>
<td>Michelle Truax</td>
<td>315-343-4758</td>
<td>Materials Term</td>
<td>73-46-943-913</td>
<td><a href="mailto:Michelle.Truax@Materials.com">Michelle.Truax@Materials.com</a></td>
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<tr>
<td>Mickey Moore</td>
<td>756-65-0648</td>
<td>Reliance Crane</td>
<td>248-84-0568</td>
<td><a href="mailto:Mickey.Moore@Reliance.com">Mickey.Moore@Reliance.com</a></td>
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<td>Nick Mull</td>
<td>756-65-0648</td>
<td>Reliance Crane</td>
<td>248-84-0568</td>
<td><a href="mailto:Nick.Mull@Reliance.com">Nick.Mull@Reliance.com</a></td>
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<td>Leo Jones</td>
<td>756-65-0648</td>
<td>Reliance Crane</td>
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<td>Reliance Crane</td>
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<tr>
<td>Tom Fier</td>
<td>315-57-07-7315</td>
<td>ACCS</td>
<td></td>
<td><a href="mailto:Tom.Fier@ACCS.com">Tom.Fier@ACCS.com</a></td>
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<tr>
<td>Mark Mccort</td>
<td>517-419-3872</td>
<td>RClass Constructors</td>
<td>314-34-475</td>
<td><a href="mailto:Mark.Mccort@RClass.com">Mark.Mccort@RClass.com</a></td>
</tr>
</tbody>
</table>
Pre-Proposal Meeting
RFP 22-23 – Justice Center HVAC
Condenser Replacement Project

1. Introductions
   Matt Kulhanek – Fleet & Facility Manager
   Lynn Crum – Facilities Manager
   Architect – Core Design Group

2. Sign-in Sheet

3. Brief Project Summary

4. Project Timeline
   a) Questions Due – March 22, 2022 by 10:00 AM
   b) Addendum Issued – March 24, 2022
   c) Proposal Opening – March 31, 2022 at 10:00 AM
   d) Selection/Negotiations – early April, 2022
   e) City Council Approval (if required) – April 18, 2022
   f) Notice to Proceed – May 1, 2022
   g) Project Completion – Functional cooling by June 3rd (or 21 days after delivery of the ACCU) and substantial completion July 1st (or 49 days after delivery of the ACCU).

5. Other Items –
   Owner Supplied ACCU – coordination, handling, storage, unloading, use tax
   DDC Control System – RTU & ACCU, Automated Logic Great Lakes
   Preparatory Work (before ACCU delivery)
   Crane Lift(s) – weekend work
   Permits (regular and street/sidewalk closure)
   Parking/ Dumpster/Bldg Access/ Restrooms/ Safety Plan
   Work Hours – 7a-8p M-F (others available with prior approval from Owner)
   Liquidated Damages - $500 per day (starting no earlier than July 1, 2022 or 49 calendar days after delivery of ACCU)

6. RFP Specifications (front ends)
   PW/LW/ Non-Discrimination/ Conflict of Interest Forms, Bid Security, Bonds
   Proposal Evaluation Process (RFP Section III) – qualification-based process

7. RFP Specifications (technical specs and drawings)

8. Questions

9. Walkthrough