



Department of Public Works
Engineering Division
Robert F. Phillips, P.E., City Engineer
City-County Building, Room 115
210 Martin Luther King, Jr. Boulevard
Madison, Wisconsin 53703
Phone: (608) 266-4751
Fax: (608) 264-9275
engineering@cityofmadison.com
www.cityofmadison.com/engineering

Deputy City Engineer
Gregory T. Fries, P.E.

Deputy Division Manager
Kathleen M. Cryan

Principal Engineer 2
Christopher J. Petykowski, P.E.
John S. Fahrney, P.E.

Principal Engineer 1
Christina M. Bachmann, P.E.
Mark D. Moder, P.E.
Janet Schmidt, P.E.
James M. Wolfe, P.E.

Facilities & Sustainability
Bryan Cooper, Principal Architect

Mapping Section Manager
Eric T. Pederson, P.S.

Financial Manager
Steven B. Danner-Rivers

January 30, 2020

**NOTICE OF ADDENDUM
ADDENDUM NO. 1
City of Madison, Engineering Department**

**CONTRACT NO. 8535
METRO TRANSIT PHASE 2 – FACILITY IMPROVEMENTS**

This addendum is issued to modify, explain or correct the original Drawings, Specifications, or Contract Documents marked as *Metro Transit – Facility Improvements– Phase 2, City of Madison, Contract #8535, as issued on January 9th, 2020* and is hereby made a part of the contract documents.

This addendum consists of the following documents:

Please attach these Addendum documents to the Drawings (Exhibit A), Specifications (Exhibit B), and Proposal Specifications in your possession.

1. **GENERAL CONTRACT CONDITIONS**
None.
2. **GENERAL QUESTIONS AND ANSWERS**
 - A. Pre-Bid Walk Through sign-in sheet from January 15th, 2020
3. **ACCEPTABLE EQUIVALENTS**
 - A. 099113 Exterior Paint
 - i. Page 2 item 2.1 Manufacturers ADD: 4. Diamond Vogel
 - B. 099123 Interior Paint
 - i. Page 2 item 2.1 Manufacturers ADD: 4. Diamond Vogel
4. **SPECIFICATIONS**
 - A. 230900 Instrumentation and Controls for HVAC
 - i. Page 21 item 3.3P ADD: Provide NEMA 3R or 4 for all temperature control panels (TCP) inside the electrical enclosure serving: MAU-4, 5, 6, 7, and 8; ERV-3 and 4.
 - ii. Page 21 item 3.4P ADD: Provide NEMA 1 for temperature control panels (TCP) inside the electrical enclosure serving: MAU-9 and 10; ERV-5.
5. **PROPOSAL SPECIFICATIONS**
No revisions.



Please acknowledge this addendum in Section E on page E-1: Bidder's Acknowledgement on Bid Express.

Electronic version of these documents can be found on Bid Express at <https://www.bidexpress.com/> and the City of Madison web site at <http://www.cityofmadison.com/business/PW/contracts/openforBid.cfm>

If you are unable to download plan revisions associated with the addendum, please contact the Engineering office at 608-266-4751 to receive the material by another method.

For questions regarding this bid, contact:

Mead & Hunt, Inc.

Dan Green, PE, Mechanical Engineer

PH: 608-443-0536

Email: dan.green@meadhunt.com

City of Madison

Jon Evans, PE, Project Manager

PH: 608-243-5893

Email: jevans@cityofmadison.com

Sincerely,

A handwritten signature in black ink that reads "Robert Phillips".

Robert F. Phillips, P.E., City Engineer

2. Mount units using flanges and element holders. Provide duct collars or bushings where sensing capillary passes through sheetmetal housings or ductwork; seal this penetration to eliminate air leakage. Mount the units in an accessible location as to allow for resetting after low limit trips while still meeting manufacturer's installation requirements for proper function.
 3. Distribute (serpentine) sensing element horizontally across the coil to cover every square foot of coil; on larger coils this may require more than one instrument. Install controls at accessible location with mounting brackets and element duct collars where required.
- O. Air Flow Stations:
1. Install airflow stations in accordance with manufacturer's recommendations.
- P. Temperature Control Panels:
1. Mount control panels adjacent to associated equipment on vibration-free walls or freestanding angle iron supports. All control panel openings shall be plugged. Conduits and other penetrations on the top of the cabinets shall be sealed on the exterior of the cabinet with silicone caulk to resist water penetration. One cabinet may accommodate more than one system in same equipment room. Provide permanent printed labeling for instruments and controls inside cabinet and engraved plastic nameplates on cabinet face.
 2. Provide as-built control drawings of all systems served by each local panel in a location adjacent to or inside of panel cover. Provide a protective cover or envelope for drawings.
 3. Provide NEMA 3R or 4 for all temperature control panels (TCP) inside the electrical enclosure serving: MAU-4, 5, 6, 7, and 8; ERV-3 and 4.
 4. Provide NEMA 1 for temperature control panels (TCP) inside the electrical enclosure serving: MAU-9 and 10; ERV-5.
- Q. Current Status Switches:
1. Provide for each fan or pump specified or shown on point list. Set threshold adjustment to indicate belt or coupling loss. Readjust threshold for proper operation after final balancing is completed. Use the variable frequency drive (VFD) integrated relay output for motor status, if provided on the VFD, in lieu of a discrete current switch.

3.4 ELECTRICAL WIRING AND CONNECTION INSTALLATION

- A. Install raceways, boxes, and cabinets according to Section 26 05 33 "Raceways and Boxes for Electrical Systems."
1. Metal Conduit:
 2. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. AFC Cable Systems; a part of Atkore International.
 - b. Allied Tube & Conduit; a part of Atkore International.
 - c. Electri-Flex Company.
 - d. Republic Conduit.

Madison Metro Transit Phase 2 – HVAC Replacement

Contract # 8535

Pre Bid Building Tour #1

Wednesday, January 15, 2020, 10:00 am

ATTENDEES PLEASE SIGN-IN

NAME	COMPANY	EMAIL	PHONE
TYLER JOHNSON	Fox ARNESON	TJOHNSON@FOXARNESON.COM	608.640.6632
Tommy Arneson	Fox Arneson	tarneson@foxarneson.com	608-345-2908
Shane Barrett	KVA Electric	shane@kva-electric.com	608-475-9768
Mike Raether	1901	mraether@1901inc.com	608-219-0352
Jake Ballweg	1901	jballweg@1901inc.com	920-296-3417
Destiny Brown	Miron Construction	destiney.brown@miron-construction.com	608.203-2715
Steve Walters	Miron Construction	steve.walters@miron-construction.com	608.469.6996
Mark Chrostowski	Bachmann	mchrostowski@bachmannconst.NET	608 576-53
DAVID GROB	BACHMANN	dgrob@bachmannconstruction	608 222-8869 2

Madison Metro Transit Phase 2 – HVAC Replacement

Contract # 8535

Pre Bid Building Tour #1

Wednesday, January 15, 2020, 10:00 am

ATTENDEES PLEASE SIGN-IN

Jeremy Reagent	TRU-heat	204 7217	JReagent@truheat.com
Justin Soernsin	CD SMITH	608 209 3641	jsoernsin@csmith.com
JEREMY VASKE	SULLIVAN	(608) 257 2289	Jeremy@sullivandesignbuild.com
ANDY WOJNICK	SULLIVAN	608. 661. 6811	ANDREW@SULLIVANDESIGNBUILD.COM
Bob MacRae	Regatta	608 358-5129	
NICK BEIL	CD SMITH	715 897 2219	Nbeil@csmith.com
Kelley O'Byrne	Ahura	608 -235-7807	Kelley@jfohn.com
Draw Ryan	Fairh Technologies	608-212-4688	Draw.Ryan@FairhTechnologies.com
MITCH COOPER	GENERAL HEATING	608-212-1091	MCOOPER@GENERALHEATING.COM
NAME	COMPANY	EMAIL	PHONE