



ADDENDUM 1 BID OPPORTUNITY 792-2006

WINNIPEG WATER TREATMENT PROGRAM – CONSTRUCTION OF SODIUM HYPOCHLORITE AND CHEMICAL STORAGE BUILDINGS

URGENT

**PLEASE FORWARD THIS DOCUMENT TO
WHOEVER IS IN POSSESSION OF THE BID
OPPORTUNITY**

ISSUED: March 16, 2007
BY: Lawrence Recksiedler, C.E.T.
TELEPHONE NO. (204) 986-4246

**THIS ADDENDUM SHALL BE INCORPORATED
INTO THE BID OPPORTUNITY AND SHALL
FORM A PART OF THE CONTRACT
DOCUMENTS**

Template Version: A20050506

Please note the following and attached changes, corrections, additions, deletions, information and/or instructions in connection with the Bid Opportunity, and be governed accordingly. Failure to acknowledge receipt of this Addendum in Paragraph 10 of Form A: Bid may render your Bid non-responsive.

PART D – SUPPLEMENTAL CONDITIONS

Revise: D4.1 to read: The Contract Administrator is UMA Projects (CM) Ltd., represented by:

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PART E – SPECIFICATIONS

Section 15999

Replace: 1.18 Fan Coil Schedule with:

1.18 Fan Coil Unit Schedule - Revision 1

Tag	FC-H840	FC-H890
Location	Bridge	Link Way
Area Served	Bridge	Link Way
Type	Indoor	Indoor
Manufacturer	Engineered Air	Engineered Air
Model	JM700	JM700
Supply Fan		
Tag	SF-H840A	SF-H890A
Volume, L/s (cfm)	296(628)	189 (400)

Tag	FC-H840	FC-H890
ESP, Pa (in.wg.)	188 (0.75)	188 (0.75)
Fan Type	DWDI FC7-5	DWDI FC7-5
Fan Speed, rpm	2100	1850
Motor Power, kW (hp)	0.375(0.5)	0.375(0.5)
Power Supply	115-1-60	115-1-60
Heating Section		
Tag	HC-H840A	HC-H890A
Capacity, kW (MBH)	25(85.3)	15.3 (52.1)
EAT, °C (°F)	-40 (-40)	-40 (-40)
LAT, °C (°F)	80.6 (27)	80.6 (27)
EWT, °C (°F)	82.2 (180)	82.2 (180)
Heating Medium	50% E. Glycol	50% E. Glycol
Total Face Area, m2 (sq.	0.14(1.46)	0.14(1.46)
Max. Face Velocity, m/s(fpm)	2.4 (430)	1.9(273)
Material, Header/Pipe/Fin	Cu/Al	Cu/Al
Rows, High x Deep	3. 375x350	2. 375x350
Fin Spacing, fpi	10	10
Max Tube PD, kPa (ft)	5.9 (1.96)	4.2(1.41)
Max Air PD, Pa (in wg)	45 (0.18)	45 (0.18)
Arrangement		
Supply Outlet	Top horizontal	Top Horizontal
Return Inlet	---	---
Outdoor Air Inlet	Back	Back
Relief Air Outlet	---	---
Physical Data		
Overall Length, mm	820	820
Overall Width, mm	584	584
Overall Height, mm	457	457
Overall Weight, kg (lbs)	73(160)	73(160)

Replace: 1.20 Motorized Damper Schedule with:

1.20 Motorised Damper Schedule - Revision 1

Tag	MD-H800C	MD-H801C	MD-H802C	MD-H803C
Service	Emergency Intake	Emergency Intake	Emergency Intake	Relief Air
Location	Ferric Chloride Room Louver	Sulphuric Acid Room Louver	Sodium Hydroxide Room Louver	Electrical Room Relief Duct

Tag	MD-H804C	MD-H816A	MD-H817A	MD-H818A
Damper size mm (in)	1200x800 (48x32)	950x800 (38x32)	1200x800 (48x32)	600x600 (24x24)
Number of dampers	2	2	2	1
Model	9000 BF Series	9000 BF Series	9000 BF Series	9000 BF Series
Manufacturer	TAMCO	TAMCO	TAMCO	TAMCO
Control	On-Off	On-Off	On-Off	Modulating
Fail Safe State	Open	Open	Open	Closed
Actuator	Belimo AF120(-S) US	Belimo AF120(-S) US	Belimo AF120(-S) US	Belimo AF120(-S) US
Number of actuators	2	1	2	1
Accessories & Remarks	Outside air damper	Outside air damper With Horizontal Jackshafts	Outside air damper	Relief air damper
Service	Emergency Intake	Ventilation Intake	Ventilation Intake	Ventilation Exhaust
Location	Aqua Ammonia Room Louver	Rail Car Enclosure Louver	Rail Car Enclosure Louver	Rail Car Enclosure Exhaust Fan
Damper size mm (in)	900x750 (36x30)	900x900 (36x36)	900x900 (36x36)	600x600 (24x24)
Number of dampers	1	2	2	1
Model	9000 BF Series	9000 BF Series	9000 BF Series	9000 BF Series
Manufacturer	TAMCO	TAMCO	TAMCO	TAMCO
Control	On-Off	On-Off	On-Off	On-Off
Fail Safe State	Open	Closed	Closed	Closed
Actuator	Belimo AF120(-S) US	Belimo AF120(-S) US	Belimo AF120(-S) US	Belimo AF120(-S) US
Number of actuators	1	2	2	1
Accessories & Remarks	Outside air damper	Outside air damper	Outside air damper	Exhaust air damper

Tag	MD-H819A	MD-H820B	MD-H821B	MD-H824B
Service	Ventilation Exhaust	Emergency Exhaust	Emergency Exhaust	Emergency Exhaust
Location	Rail Car Enclosure Exhaust Fan	Aqua Ammonia Exhaust Fan	Sodium Hydroxide Exhaust Fan	Sulphuric Acid Exhaust Fan
Damper size mm (in)	600x600 (24x24)	450x450 (18x18)	600x600 (24x24)	600x600 (24x24)
Number of dampers	1	1	1	1
Model	9000 BF Series	9000 BF Series	9000 BF Series	9000 BF Series

Tag	MD-H825B	MD-H828C	MD-H829B	MD-H831B
Manufacturer	TAMCO	TAMCO	TAMCO	TAMCO
Control	On-Off	On-Off	On-Off	On-Off
Fail Safe State	Closed	Open	Open	Open
Actuator	Belimo AF120(-S) US	Belimo AF120-S	Belimo AF120-S	Belimo AF120-S
Number of actuators	1	1	1	1
Accessories & Remarks	Exhaust air damper	Exhaust air damper	Exhaust air damper	Exhaust air damper

Tag	MD-H825B	MD-H828C	MD-H829B	MD-H831B
Service	Emergency Exhaust	Relief Air	Ventilation Intake	Ventilation Intake
Location	Ferric Chloride Exhaust Fan	Control Room Relief Duct	Upper Level Exhaust Fan	Mechanical Room Louver
Damper size mm (in)	600x600 (24x24)	450x450 (18x18)	300x300 (12x12)	1050x800 (42x32)
Number of dampers	1	1	1	1
Model	9000 BF Series	9000 BF Series	9000 BF Series	9000 BF Series
Manufacturer	TAMCO	TAMCO	TAMCO	TAMCO
Control	On-Off	Modulating	On-Off	On-Off
Fail Safe State	Open	Closed	Open	Open
Actuator	Belimo AF120(-S) US	Belimo AF120(-S) US	Belimo AF120(-S) US	Belimo AF120(-S) US
Number of actuators	1	1	1	1
Accessories & Remarks	Exhaust air damper	Relief air damper	Exhaust air damper	Outside air damper

Tag	MD-H842	MD-H880	MD-H881	MD-H882
Service	Outside Air Intake	Ventilation Exhaust	Room Air for Blowers	Outside Air Intake
Location	Bridge	Hypochlorite Building Mezzanine Level	Hypochlorite Building Mezzanine Level	Hypochlorite Storage Room
Damper size mm (in)	500x500(20x20)	550x450 (22x18)	800x750 (32x30)	1400x1200 (56x48)
Number of dampers	1	1	1	1
Model	9000 BF Series	9000 BF Series	1000 BF Series	9000 BF Series
Manufacturer	TAMCO	TAMCO	TAMCO	TAMCO
Control	On-Off	On-Off	On-Off	On-Off

Tag	MD-H842	MD-H880	MD-H881	MD-H882
Fail Safe State	Closed	Closed	Open	Closed
Actuator	Belimo LF-120	Belimo LF-120	Belimo NF-120	Belimo AF-120
Number of actuators	1	1	1	1
Accessories & Remarks	Spring Return, Auxiliary End Switches			

Tag	MD-H883	MD-H884	MD-H892
Service	Heat Relief Exhaust	Outside Air Intake	Outside Air Intake
Location	Hypochlorite Building Mezzanine Level	Hypochlorite Generator Room	Link Way
Damper size mm (in)	900x750 (36x30)	2400x1800 (96x72)	300x150 (12x6)
Number of dampers	1	1	1
Model	9000 BF Series	9000 BF Series	9000 BF Series
Manufacturer	TAMCO	TAMCO	TAMCO
Control	On-Off	On-Off	On-Off
Fail Safe State	Closed	Closed	Closed
Actuator	Belimo NF-120	Belimo AF-120	Belimo LF-120
Number of actuators	1	3	1
Accessories & Remarks	Spring Return, Auxiliary End Switches	Spring Return, Auxiliary End Switches	Spring Return, Auxiliary End Switches

DRAWINGS

The following Drawings have been added and form part of this Addendum:

Drawing No.

Drawing Name/Title

1-0601J-A-H0401-001-00D

HVAC and Plumbing – Skyway Bridge – Details

1-0601J-A-S0402-001-00D

Structural – Skyway Bridge - Details

1-0601J-A-M0403-001-00D

Process Mechanical – Skyway Bridge - Details

1-0601J-G-H0506-001-00D

HVAC and Plumbing – Skyway Bridge – Heating and Ventilation Schematic