

Tender No.: T11PX11798

TITLE: Greenwood Shop Electronic Room Expansion

This Addendum forms a part of the Tender Documents dated January, 2012 and amends the original Tender Documents as noted below:

(NOTE: For further instructions on Addenda refer to Document 00100 – Instructions to Tenderers).

**THE CLOSING DATE HAS BEEN CHANGED TO WEDNESDAY, FEBRUARY 22, 2012 FROM
WEDNESDAY, FEBRUARY 15, 2012**

1. DOCUMENTS

1.1 Document pages listed below accompany and form part of this Addendum.

.1 List of Revised Documents:

<u>Number</u>	<u>Title</u>	<u>Page Number</u>
00003	Table of Content (books 1 & 2)	1
00100	Instructions to Tenderers	1
00100	Attachment B – Cost Breakdown	1 Through 12

	TITLE	DISCIPLINES PAGES
BOOK 1 OF 2		
INTRODUCTORY INFORMATION		
00001	Title Page	1
00002	Seals Page	1
00003	Table of Contents	7
00004	List of Drawings	7
DOCUMENT 0	TENDER REQUIREMENTS, CONTRACT FORMS AND CONDITIONS	
00100	Instructions to Tenderers	9
	Attachments:	
	- Attachment A – Submission Label	1
	- Attachment B - Sample Cost Breakdown	12
00300	Form of Tender	3
00411	Bid Bond	2
00412	Agreement to Bond	1
00422	List of Similar Contracts Completed (Within Last 5 Years)	1
00610	Performance Bond	2
00620	Labour and Material Payment Bond	4
00640	Parental Guarantee	1
00700	General Conditions	29
00800	Supplementary Conditions	15
	Attachments:	
	- Appendix 1 – Contractor Performance Review Form	3
	- Appendix 2 – Accessible Customer Service Training Requirements	1
	- Appendix 3 - Fitness For Duty	7
DIVISION 1	GENERAL REQUIREMENTS	
01110	Summary of Work	13
01112	Work Restrictions	5

ADDENDUM 1

	TITLE	DISCIPLINES PAGES
01115	Works by Others	1
01310	Project Meetings	2
01320	Schedule	7
01330	Submittals	5
	Attachment: Submittal Form	1
01340	Shop Drawings	2
01400	Quality Requirements	3
01410	Regulatory Requirements	3
01420	Abbreviations and Symbols	3
01500	Construction Facilities and Temporary Controls	7
	Attachments:	
	- Std. Dwg. S01500.11	1
	- Std. Dwg. S01500.12	1
01575	Environmental Controls	6
01590	Safety	10
	Attachments:	
	- Utility Locate (UL) Form – Request & Verification	2
	- Site Service Isolation & Restoration	1
	- Std. Dwg. No. S015900.01 - Project Safety Bulletin Board	1
	- Hot Work Checklist	2
	- Hot Work Permit	1
01600	Product Requirements	6
01710	Examination, Protection and Restoration of Property	1
01730	Cutting and Patching	5
01740	Cleaning	1
01780	Record Documents	1
01785	Standby Parts	1
01810	Commissioning	7
	Attachment: Certificate of Readiness	1

1 TENDER SUBMISSION

- .1 The Tenderer shall carefully examine the documents included with the Request for Tender consisting of the Instructions to Tenderers, Form of Tender, Bid Bond, Agreement To Bond, List of Similar Contracts Completed, Performance Bond, Labour and Material Payment Bond, General Conditions, Supplementary Conditions, the Specifications and all Contract Drawings and addenda, all of which are hereinafter referred to as the Tender Documents.
- .2 This Request for Tender is available only through MERX, a web based electronic tendering system. For further information about MERX, call 1-800-964-MERX or visit the MERX website at www.merx.com.
- .3 A Tenderer who has not obtained this Request for Tender through MERX may have its Tender disqualified unless a third party has requested this Request for Tender from MERX on that Tenderer's behalf and has identified to MERX and the Commission's Senior Contract Administrator, identified in Clause 3 - TENDER INQUIRIES of Document 00100 that it is a third party obtaining the Tender Documents on behalf of a named potential Tenderer.
- .4 It is the responsibility of the Tenderer to carefully examine the Tender Documents, it has received all issued communications from MERX and the Commission and to seek clarification from the Senior Contract Administrator on any matter it considers to be unclear. The Commission shall not be responsible for any misunderstanding on the part of a Tenderer concerning the Request for Tender, the Tender Documents or the process to be followed by the Commission. Each Tenderer is requested to report any errors, omissions or ambiguities in the Tender Documents to the Commission. If a Tenderer has a question or wishes to seek clarification, the Tenderer shall direct questions or seek additional information or clarifications from the Senior Contract Administrator.
- .5 The Tenderer shall exercise care when completing its Tender as failure to complete the documents fully, to provide all information required or to comply with the Instructions to Tenderers may cause its Tender to be rejected.
- .6 The Tenderer shall complete, execute and submit the Form of Tender, included as Document 00300, together with the completed Documents as detailed in Clause 8 – SUBMISSION REQUIREMENTS of Document 00300, in a sealed submission envelope.
- .7 The Tenderer shall not show its name, or any other identifying mark or information, on the submission envelope, but shall write the closing date on the provided Submission Label, attached as Attachment A to Document 00100, which shall be adhered to the bottom of the submission envelope.
- .8 Sealed Tenders addressed as follows will be received by the Commission at the 1st floor Reception Desk until 2:00 p.m. Toronto time on Wednesday, **February 22, 2012**:

ADDENDUM 1

Attention: General Secretary
1900 Yonge Street
Toronto, Ontario, Canada, M4S 1Z2

- .9 Tenders will not be returned once accepted and date and time stamped by the Commission. Thereafter, a Tenderer may only change or withdraw its Tender prior to the closing date and the time specified in Clause 1.8 above and by a revision thereto dated and signed by an authorized representative of the Tenderer and submitted in a sealed envelope, with the Tender number clearly printed on the front of the envelope. Such revision must clearly state the changes to the Tender and that it supersedes or modifies the original Tender submission.
- .10 Any Tender submission received and date and time stamped later than the time specified in Clause 1.8 above, according to the Commission's reception desk time clock shall not be considered and shall be returned to the Tenderer. A facsimile Tender or any electronic media/submission or a Tender not submitted in a sealed envelope or package will not be accepted. The Tenderer is solely responsible to ensure that its Tender submission is delivered to the address specified in Clause 1.8 above.

2 TENDER OPENING

- .1 The public opening of Tenders received will take place fifteen (15) minutes following the Tender closing time in the Commission's offices, 1900 Yonge Street, Toronto, Ontario. Interested parties are invited to attend and should assemble in the lobby after the Tender closing and they will be escorted to the room for the Tender opening by TTC staff.
- .2 Only the names of Tenderers and the Total Tender Prices will be announced at the Tender opening. Within two Business Days following the public opening, the Total Tender Prices submitted for this Request for Tender will be published on MERX.

3 TENDER INQUIRIES

- .1 All inquiries or requests for information during the Request For Tender and Tender evaluation stages until award of Contract must be in writing, with the exception of questions raised during a Pre-Tender Meeting/Site Tour, if applicable, and must be directed to the Senior Contract Administrator, Fatteh Malik at Facsimile No. (416) 338-0121 or E-mail: fatteh.malik@ttc.ca or their designate.
- .2 The Commission will ensure only that responses will be made to inquiries received at least five (5) business days prior to the Tender closing. No assurances are given by the Commission that responses will be made to inquiries received after that date.

BILL NO. 1
GENERAL ITEMS

Lump Sum Prices
 Including All
 Applicable Taxes

<u>Item No.</u>	<u>Description</u>	
<u>SECTION 00700 - GENERAL CONDITIONS</u>		
1	Bonds.....	\$ _____
2	Insurance.....	\$ _____
3	Supervision.....	\$ _____
4	Permits.....	\$ _____
<u>SECTION 01310 - PROJECT MEETINGS</u>		
5	Project meetings.....	\$ _____
<u>SECTION 01320 - SCHEDULE</u>		
6	Schedule.....	\$ _____
<u>SECTION 01330 - SUBMITTALS</u>		
7	Submittals.....	\$ _____
<u>SECTION 01340 - SHOP DRAWINGS</u>		
8	Shop drawings.....	\$ _____
<u>SECTION 01400 - QUALITY REQUIREMENTS</u>		
9	Quality requirements.....	\$ _____
<u>SECTION 01500 - CONSTRUCTION FACILITIES AND TEMPORARY CONTROLS</u>		
10	Temporary hoarding and dust tight partitions.....	\$ _____
11	Temporary scaffolding System / platform.....	\$ _____
12	Construction trailer (contractor).....	\$ _____
13	Temporary toilet.....	\$ _____
14	Temporary phone/fax.....	\$ _____
15	Temporary power/water.....	\$ _____
16	Power wash and video tape sanitary and storm drainage system.....	\$ _____

GENERAL ITEMS (CONTINUED)

<u>Item No.</u>	<u>Description</u>	<u>Lump Sum Prices Including All Applicable Taxes</u>
<u>SECTION 01575 - ENVIRONMENTAL CONTROLS</u>		
17	Environmental controls.....	\$ _____
18	Dust / noise control.....	\$ _____
19	Designates substances, hazardous materials and pcbs removal / disposal.....	\$ _____
<u>SECTION 01590 - SAFETY</u>		
20	Safety.....	\$ _____
21	Utility locates.....	\$ _____
<u>SECTION 01710 - EXAMINATION, PROTECTION AND RESTORATION OF PROPERTY</u>		
22	Examination, protection and restoration of property including condition survey.....	\$ _____
<u>SECTION 01730 - CUTTING AND REMEDIAL WORK</u>		
23	Cutting and remedial work.....	\$ _____
<u>SECTION 01740 - CLEANING</u>		
24	Cleaning during construction and final cleaning.....	\$ _____
<u>SECTION 01780 - RECORD DOCUMENTS</u>		
25	Record documents.....	\$ _____
<u>SECTION 01785 - STANDBY PARTS</u>		
26	Standby parts.....	\$ _____
<u>SECTION 01810 - COMMISSIONING</u>		
<u>SECTION 01820 - TRAINING</u>		
27	Commissioning and training (Assigned Value SC11)	\$ 66,000.00

SECTION 01780 - RECORD DOCUMENTS
SECTION 01830 - OPERATION AND MAINTENANCE MANUALS

28	Record documents & Operations and maintenance manuals - Applicable drawings, record documentation and manuals (Assigned Value SC11).....	\$ 66,000.00
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SECTION 01840 - MAINTENANCE

29	Maintenance.....	\$
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Total Bill No.1 to Cost Breakdown Summary.....		\$
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BILL NO. 2
ARCHITECTURAL

Lump Sum Prices
 Including All
 Applicable Taxes

<u>Item No.</u>	<u>Description</u>	<u>Lump Sum Prices Including All Applicable Taxes</u>
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SECTION 02225 - DEMOLITION AND REMOVALS

30	Demolish paint booth metal enclosures.....	\$
31	Remove existing ceilings.....	\$
32	Saw cut and remove existing slab / openings.....	\$
33	Temporary shoring and bracing.....	\$
34	Demolish partitions.....	\$
35	Remove doors and frames.....	\$
36	Remove steel work and architectural fixtures to paint booth.....	\$
37	Prepare and clean floors including abrasive blast cleaning to mezzanine.....	\$
38	Prepare and clean floors including abrasive blast cleaning to mezzanine.....	\$
39	Vacuum / power scrub / to remove all dirt / debris, etc. from all existing steel deck, joists, beams, or all other misc members.....	\$

SECTION 03100 - CONCRETE FORMWORK AND FALSEWORK
SECTION 03200 - CONCRETE REINFORCEMENT
SECTION 03300 - CAST-IN-PLACE CONCRETE

40	Concrete encasement to steel beams.....	\$
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41	Concrete topping to metal deck	\$ _____
42	New concrete roof slab.....	\$ _____
43	Reinforcing steel.....	\$ _____
44	Concrete accessories including hardener and sealer.....	\$ _____
45	Miscellaneous concrete repairs and accessories.....	\$ _____

SECTION 04200 - UNIT MASONRY

46	140 mm concrete block wall.....	\$ _____
47	190 mm concrete block wall.....	\$ _____
48	290 mm concrete block wall.....	\$ _____
49	Bond beam.....	\$ _____

BILL NO. 2
ARCHITECTURAL (CONTINUED)

<u>Item No.</u>	<u>Description</u>	<u>Lump Sum Prices Including All Applicable Taxes</u>
<u>SECTION 05120 - STRUCTURAL STEEL</u>		
<u>SECTION 05310 - STEEL DECK</u>		
<u>SECTION 05500 - METAL FABRICATIONS</u>		
50	Structural steel framing.....	\$ _____
51	Steel deck.....	\$ _____
52	Miscellaneous metal fabrications.....	\$ _____
<u>SECTION 05510 - METAL STAIRS</u>		
<u>SECTION 05720 - PLATFORM RAILINGS</u>		
53	Metal stairs and railings.....	\$ _____
<u>SECTION 06100 - ROUGH CARPENTRY</u>		
54	Rough carpentry.....	\$ _____
55	Finish carpentry / shelving.....	\$ _____
<u>SECTION 06135 - TIMBER DECKING</u>		
56	Timber decking.....	\$ _____

SECTION 07515 - ROOF AND ROOF OPENINGS

57 Roof repairs including curbs and flashing..... \$ _____

SECTION 07840 - FIRESTOPPING AND SMOKE SEALS

SECTION 07900 - SEALANTS

58 Firestopping, smoke seals and sealants..... \$ _____

SECTION 08100 - METAL DOORS AND FRAMES

SECTION 08700 - FINISH HARDWARE

59 Metal door and frame including hardware (single)..... \$ _____

60 Metal door and frame including hardware (double)..... \$ _____

SECTION 08800 - GLAZING

61 Windows and glazing..... \$ _____

BILL NO. 2
ARCHITECTURAL (CONTINUED)

<u>Item No.</u>	<u>Description</u>	<u>Lump Sum Prices Including All Applicable Taxes</u>
<u>SECTION 09250 - GYPSUM AND CEMENT BOARD</u>		
62	Gypsum / cement board partitions / steel studs.....	\$ _____
63	Cement board soffit / bulkheads.....	\$ _____
<u>SECTION 09445 - CONDUCTIVE EPOXY TERRAZZO</u>		
64	Conductive epoxy terrazzo including base.....	\$ _____
<u>SECTION 09510 - ACOUSTICAL CEILING</u>		
65	Acoustical ceilings.....	\$ _____
<u>SECTION 09900 - PAINTING</u>		
66	Paint to walls and ceilings.....	\$ _____
<u>SECTION 10200 - LOUVRES</u>		
67	Louvres.....	\$ _____

SECTION 10522 - PORTABLE FIRE EXTINGUISHERS

68 Portable fire extinguishers..... \$ _____

Total Bill No.3 to Cost Breakdown Summary..... \$ _____

BILL NO. 3
MECHANICAL

<u>Item No.</u>	<u>Description</u>	<u>Lump Sum Prices</u> <u>Including All</u> <u>Applicable Taxes</u>
<u>SECTION 13933 - WET AND DRY SPRINKLERS</u>		
<u>SECTION 13975 - WET STANDPIPES AND HOSES</u>		
69	Sprinkler piping.....	\$ _____
70	Sprinkler heads.....	\$ _____
<u>SECTION 14430 - MATERIAL LIFT - TYPE B</u>		
71	Supply material lift.....	\$ _____
72	Install material lift.....	\$ _____
<u>SECTION 15010 - MECHANICAL GENERAL REQUIREMENTS</u>		
73	Mechanical general items.....	\$ _____
74	Mechanical demolition / relocations	\$ _____
75	Temporary heating.....	\$ _____
<u>SECTION 15051 - PIPE WELDING</u>		
76	Pipe Welding.....	\$ _____
<u>SECTION 15060 - HANGERS AND SUPPORTS</u>		
77	Hangers and supports.....	\$ _____
<u>SECTION 15070 - MECHANICAL VIBRATION CONTROL</u>		
78	Mechanical vibration control.....	\$ _____

SECTION 15075 - MECHANICAL IDENTIFICATION

79 Mechanical identification..... \$ _____

SECTION 15081 - THERMAL INSULATION FOR PIPING

80 Thermal insulation for piping..... \$ _____

SECTION 15082 - THERMAL INSULATION FOR DUCTWORK

81 Thermal insulation for ductwork..... \$ _____

**BILL NO. 3
 MECHANICAL (CONTINUED)**

<u>Item No.</u>	<u>Description</u>	<u>Lump Sum Prices Including All Applicable Taxes</u>
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SECTION 15083 - ACOUSTIC DUCT LINING

82 Acoustic duct lining..... \$ _____

SECTION 15113 - VALVES - PRESSURE PIPING

83 Valves - pressure piping..... \$ _____

SECTION 15120 - PRESSURE GAUGES AND THERMOMETERS

84 Pressure gauges and thermometers..... \$ _____

SECTION 15130 - DRAINAGE PUMPS

85 Supply drainage pumps..... \$ _____

86 Install drainage pumps..... \$ _____

87 Control panels..... \$ _____

SECTION 15142 - DOMESTIC WATER PIPING

88 Domestic water piping..... \$ _____

SECTION 15150 - SANITARY WASTE & VENT PIPING

89 Sanitary waste and vent piping..... \$ _____

SECTION 15185 - STEEL PIPING, VALVES, AND FITTINGS

90 Steel piping, valves, and fittings (steam and condensate up to 860 kPa)..... \$ _____

SECTION 15192 - PIPING, VALVES AND FITTINGS (GAS)

91 Piping, valves, and fittings (gas)..... \$ _____

SECTION 15201 - PRESSURE PIPING
SECTION 15211 - COMPRESSED AIR SYSTEM

92 Pressure piping / compressed air system..... \$ _____

SECTION 15410 - PLUMBING FIXTURES AND SPECIALITIES

93 Plumbing fixtures and specialties..... \$ _____

BILL NO. 3
MECHANICAL (CONTINUED)

<u>Item No.</u>	<u>Description</u>	<u>Lump Sum Prices Including All Applicable Taxes</u>
<u>SECTION 15726 - MAKE-UP AIR AND HEATING UNITS</u>		
<u>SECTION 15732 - ROOFTOP HVAC SYSTEM</u>		
94	Make-up air and heating units / rooftop HVAC system.....	\$ _____
95	Supply and install hose stations.....	\$ _____
<u>SECTION 15751 - HUMIDIFIERS</u>		
96	Humidifiers.....	\$ _____
<u>SECTION 15811 - DUCTS - LOW PRESSURE</u>		
<u>SECTION 15812 - DUCTS - HIGH PRESSURE</u>		
<u>SECTION 15813 - FLEXIBLE DUCTWORK</u>		
<u>SECTION 15820 - DUCT ACCESSORIES</u>		
<u>SECTION 15821 - DAMPERS</u>		
97	Duct work and dampers.....	\$ _____
<u>SECTION 15830 - COMMERCIAL FANS</u>		
98	Commercial fans.....	\$ _____

SECTION 15840 - AIR TERMINAL UNITS

99 Air terminal units..... \$ _____

SECTION 15850 - GRILLES, REGISTERS, AND DIFFUSERS

100 Grilles, registers and diffusers..... \$ _____

SECTION 15861 - AIR FILTERS AND FILTER GAUGES

101 Air filters and filter gauges..... \$ _____

SECTION 15916 - CONTROLS

102 Controls..... \$ _____

SECTION 15950 - TESTING ADJUSTING AND BALANCING OF MECHANICAL SYSTEMS

103 TAB..... \$ _____

BILL NO. 4
ELECTRICAL

DRAFT
 (DO NOT COMPLETE)

Lump Sum Prices
 Including All
 Applicable Taxes

<u>Item No.</u>	<u>Description:</u>	<u>Lump Sum Prices Including All Applicable Taxes</u>
SECTION 16010 - ELECTRICAL GENERAL REQUIREMENTS		
104	Electrical general.....	\$ _____
105	Electrical permit.....	\$ _____
106	Demolition of existing conduit / devices / wiring.....	\$ _____
107	24 port Ethernet switch.....	\$ _____
SECTION 16060 - GROUNDING AND BONDING		
108	Grounding and bonding.....	\$ _____
SECTION 16070 - HANGERS AND SUPPORTS		
109	Hangers and supports.....	\$ _____
SECTION 16075 - ELECTRICAL IDENTIFICATION		
110	Electrical identification.....	\$ _____

SECTION 16139 - MULTIPLE OUTLET ASSEMBLIES
SECTION 16141 - WIRING DEVICES
SECTION 16155 - CONTACTORS AND RELAYS
SECTION 16423 - CONTROL DEVICES

126	Multiple outlet assemblies / wiring devices.....	\$ _____
127	Contactors and relays.....	\$ _____
128	Control devices.....	\$ _____

SECTION 16223 - MOTOR STARTERS

129	Motor starters.....	\$ _____
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SECTION 16261 - LIGHTING INVERTER

130	Lighting inverter.....	\$ _____
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SECTION 16271 - DRY TYPE TRANSFORMER

131	Dry type transformers.....	\$ _____
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SECTION 16431 - FUSED AND UNFUSED DISCONNECT SWITCHES

132	Fused and unfused disconnect switches.....	\$ _____
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SECTION 16441 - PANELBOARD

133	Panelboard.....	\$ _____
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BILL NO. 4
ELECTRICAL (CONTINUED)

<u>Item No.</u>	<u>Description</u>	<u>Lump Sum Prices Including All Applicable Taxes</u>
SECTION 16506 - LIGHTING EQUIPMENT		
SECTION 16531 - EXIT LIGHTS		
134	Supply of new lighting equipment and exit lights.....	\$ _____
135	Installation of new lighting equipment and exit lights.....	\$ _____
SECTION 16724 - PUBLIC ADDRESS SYSTEM		
136	Public address system.....	\$ _____
SECTION 16852 - FIRE ALARM SYSTEMS		
137	Fire alarm systems.....	\$ _____
Total Bill No.4 to Cost Breakdown Summary.....		\$ _____

COST BREAKDOWN SUMMARY

BILL NO. 1 - GENERAL ITEMS.....	\$ _____
BILL NO. 2 - ARCHITECTURAL.....	\$ _____
BILL NO. 3 - MECHANICAL.....	\$ _____
BILL NO. 4 - ELECTRICAL.....	\$ _____
TOTAL TENDER PRICE FOR BILL NOS. 1 - 4.....	\$ _____

(In Canadian Funds which includes all applicable taxes, addenda, allowances, and all other costs)

DRAFT
(DO NOT COMPLETE)