



OFFER OF
**SURPLUS
GOODS**

SUBMISSION DEADLINE: 4:00 P.M. WINNIPEG TIME, OCTOBER 16, 2009

If your company name and address are not correctly shown below, please enter or correct it before submitting your Bid.

Name:
Company
Company Address

BUYER: CARMEN SORBY /cs
TELEPHONE NO. (204) 986-3855

The City invites offers to purchase surplus:

Outdoor Substation

Lump sum price for lot: \$ _____ (PST extra, GST extra)

THE BID SUBMISSION MUST INCLUDE THIS PAGE (COMPLETED AND SIGNED)

**TERMS AND CONDITIONS ATTACHED APPLY EXCEPT AS
SUPERSEDED ABOVE OR BY SPECIFICATIONS (IF ANY) ATTACHED.**

Contact Person: (print) _____

Telephone Number: _____

Facsimile Number: _____

RETURN TO:

**THE CITY OF WINNIPEG 705-2009
CORPORATE FINANCE DEPARTMENT
MATERIALS MANAGEMENT DIVISION
185 KING ST MAIN FLOOR
WINNIPEG MB R3B 1J1**

The Bidder hereby offers to perform the Work in accordance with the Contract for the price(s), in Canadian funds, set out in this Bid.

The Bidder agrees that the Offer of Surplus Goods in its entirety shall be deemed to be incorporated in and to form a part of this offer notwithstanding that not all parts thereof are necessarily attached to or accompany this Bid.

The Bidder certifies that the following addenda have been received and agrees that they shall be deemed to form a part of the Contract.

No. 1 No. 2 No. 3 No. 4

This offer shall be open for acceptance, binding and irrevocable for a period of thirty (30) days following the Submission Deadline.

Signature: _____

TERMS AND CONDITIONS – SURPLUS GOODS

1. BIDDING PROCEDURES

- 1.1 The Bid must be submitted on the forms provided, with all required entries made clearly in ink.
- 1.2 If the Bidder finds discrepancies or omissions in the Offer of Surplus Goods for Sale or any part thereof, or is unsure of the meaning or intent thereof, he shall notify the Buyer. The Buyer will, if he deems it necessary, issue addenda to all Bidders. The Bidder is advised to direct all enquiries or comments to the Buyer at least five (5) business days prior to the Submission Deadline to allow time for the preparation and distribution of necessary addenda.
- 1.3 The Bidder is responsible for inspecting the goods, the nature of the Work to be done and all conditions that might affect his Bid or his performance of the Work, and shall assume all risk for conditions existing or arising in the course of the Work which have been or could have been determined through such inspection.
- 1.4 The Bid must be submitted enclosed and sealed in an envelope clearly marked with the RFQ Number and the Bidder's name and address. Each envelope must contain only the Bid for one Offer of Surplus Goods for Sale.
- 1.5 The Bid must be submitted to the Materials Management Division at the address specified no later than the Submission Deadline specified. Bids received after the Submission Deadline will not be considered.
- 1.6 The Bid may be withdrawn without penalty at any time prior to the Submission Deadline.
- 1.7 The Bid shall be open for acceptance, binding and irrevocable for the period of time specified on the cover page. A Bidder who withdraws his Bid after the Submission Deadline but before his Bid has been released or has lapsed shall be liable for such damages as are imposed upon the Bidder by law and subject to such sanctions as the City considers appropriate in the circumstances.
- 1.8 The City may reject a Bid as being non-responsive if the Bid is incomplete, obscure or conditional, or contains additions, deletions, alterations or other irregularities. The City may reject all or any part of any Bid or waive technical requirements if the interests of the City so require. The City may reject any Bid submitted by a Bidder who does not demonstrate, in his Bid or in other information required to be submitted, that he is responsible and qualified. A responsible and qualified Bidder is one that meets the qualifications specified and is not suspended, debarred or in default under any contract with the City.
- 1.9 Where the Contract is proposed in separate sections or with alternatives, the City shall have the right to award any section separately or to choose any alternative which is in its best interests.
- 1.10 The City will have no obligation to award a Contract to a Bidder, even though one or all of the Bidders are determined to be responsible and qualified, and the Bids are determined to be responsive. Where an award of Contract is made by the City, the award shall be made to the responsible and qualified Bidder submitting the highest evaluated responsive Bid.
- 1.11 The Buyer will give written notice of the award of the Contract to the successful Bidder, or will give notice that no award will be made.
- 1.12 The Offer of Surplus Goods for Sale, including but not limited to the specifications, drawings and addenda, and the Contractor's Bid shall be deemed to be incorporated in and to form a part of the Contract notwithstanding that they are not necessarily attached to or accompany the written notice of award of Contract.
- 1.13 The name of the successful Bidder and the Contract amount will be made available, upon request, to Bidders only after award of Contract.

2. SCOPE OF WORK

- 2.1 The Work to be done under this Contract shall consist of the purchase and removal of surplus goods, and the provision of ancillary services in accordance with applicable specifications, drawings and addenda.
- 2.2 The Contractor shall provide and pay for all materials, labour, equipment, tools, utilities, licenses and fees necessary to complete the Work.

3. GOODS

- 3.1 All goods are sold on an "as is, where is" basis and the City makes no representation or warranty with respect to the fitness, merchantability, suitability or durability of any of the goods for any purpose.
- 3.2 The Contractor shall remove the goods within seven (7) days of notification by the City that his offer has been accepted.
- 3.3 The Contractor shall inspect the goods at the time of pick up. The City shall not be responsible for any damage, defect or deterioration of the goods purported to have occurred after any prior inspection by the Contractor unless such damage, defect or deterioration is identified at the time of pick up by the Contractor.

4. ASSIGNMENT

- 4.1 The Contractor shall not assign the Contract without the prior written approval of the City.

5. SUBCONTRACTING

- 5.1 If the Contractor subcontracts any portion of the Work, he shall:
 - a) employ only Subcontractors who have successfully carried out work similar in nature, scope and value to the portion of the Work proposed to be subcontracted to them, or who are fully capable of performing the Work required to be done in accordance with the terms of the Contract;
 - b) enter into contracts or written agreements with his Subcontractors to require them to perform their work in complete conformance with and subject to the terms and conditions of the Contract; and
 - c) be as fully responsible to the City for acts and omissions of his Subcontractors and of persons directly or indirectly employed by them as for acts and omissions of persons directly employed by him.

6. INDEMNITY

- 6.1 The Contractor shall save harmless and indemnify the City for twice the contract price plus two million dollars, unless specifically stated otherwise in the contract documents, against all costs, damages or expenses arising from actions, claims, demands and proceedings, by whomsoever brought, made or taken as a result of acts or omissions of the Contractor, his subcontractors, employees or agents in the performance or purported performance of the Work, and more particularly from:
 - a) accidental injury to or death of any person whether retained by or in the employ of the Contractor or not, arising directly or indirectly by reason of the performance of the Work, or by reason of any trespass on or damage to property;
 - b) damage to any property owned in whole or in part by the City, or which the City by duty or custom is obliged, directly or indirectly, in any way or to any degree, to construct, repair or maintain;
 - c) damage to, or trespass or encroachment upon, property owned by persons other than the City;
 - d) failure to pay a workers compensation assessment, or federal or provincial taxes;
 - e) unauthorized use of any design, device, material or process covered by letters patent, copyright, trademark or trade name in connection with the Work;
 - f) inaccuracies in any information provided to the City by the Contractor.
- 6.2 The City has the right, acting reasonably and upon notice to the Contractor, to settle any such action, proceeding, claim or demand and charge the Contractor with the amount so paid or to be paid in effecting a settlement.
- 6.3 The Contractor shall pay to the City the value of all legal fees and disbursements required to settle any such claim or to defend the City against any such claim, action, proceeding, claim or demand notwithstanding that the settlement or defence of the said action, proceeding, claim or demand was undertaken on behalf of the City by a salaried employee of the City.
- 6.4 If the Contractor fails to make any payment required to be made to the City hereunder, the City shall be entitled to deduct the amount of such payment from any payment required to be made by the City to the Contractor under the Contract or take whatever other remedies against the Contractor that the City may have at law.

7. EVENTS OF DEFAULT

- 7.1 An event of default will be deemed to have occurred if the Contractor:
 - a) abandons the Work; or
 - b) is adjudged bankrupt or files for bankruptcy, becomes insolvent, makes a general assignment for the benefit of his creditors, or has a receiver or liquidator appointed in respect of his assets; or
 - c) in the judgment of the City, is not performing or has not been performing the Work, or any part thereof, in a sound and workmanlike manner and in all respects in strict conformity with the Contract; or
 - d) in the judgment of the City, is not progressing continuously with the Work or any part thereof, and in such a manner as to ensure the completion of the Work or any part thereof, in accordance with the work schedule; or
 - e) fails to remedy any defective or deficient; or
 - f) fails to make prompt payment to his subcontractors, his employees or on account of the purchase or rental of equipment or material; or
 - g) fails to comply with any laws, by-laws or statutory regulations; or
 - h) fails to submit any schedules, documents or information required by the Contract; or
 - i) refuses or neglects to comply with an order given by the City;
 - j) commits any other breach of the Contract.
- 7.2 Any provision of the Contract may be waived only by express waiver in writing by the City. No express waiver of any provision shall imply the waiver of any other provision.
- 7.3 If an event of default has occurred, the City may do any one or more of the following:
 - a) withhold or retain the whole or part of the goods;
 - b) take the whole of the Work, or any part or parts thereof out of the hands of the Contractor;
 - c) demand payment for any amount owed to the City.
- 7.4 The duties and obligations imposed upon the Contractor by the Contract and the rights and remedies available to the City hereunder shall be in addition to and not a limitation of any duties, obligations, rights and remedies otherwise imposed upon the Contractor or available to the City at law.

8. PRICES AND PAYMENT

- 8.1 Prices bid shall not include Goods and Services Tax (GST) or Manitoba Retail Sales Tax (MRST or PST) which shall be extra where applicable.
- 8.2 If the Contractor claims Manitoba Retail Sales Tax exemption for goods purchased for resale, he must provide his vendor registration number at the time of payment.
- 8.3 If the Contractor claims a conditional Manitoba Retail Sales Tax exemption, he must provide a purchase exemption certificate and, where applicable, his licence number at the time of payment.
- 8.4 Payment in full must be made in the form of a certified cheque or draft payable to "The City of Winnipeg", drawn on a bank or other financial institution registered to conduct business in Manitoba, before goods are released. Some City facilities are not able to process cash transactions and the City reserves the right to refuse payment in the form of cash.

SPECIFICATIONS

1. GENERAL

- 1.1 These Specifications shall be applicable to the Work and shall take precedence over the Terms and Conditions.

2. DEFINITIONS

- 2.1 When used in this Request for Quotation:

- (a) "**Business Day**" means any Calendar Day, other than a Saturday, Sunday, or a Statutory or Civic Holiday;
- (b) "**Buyer**" means the person authorized to represent the City in respect of the Request for Quotation;
- (c) "**Calendar Day**" means the period from one midnight to the following midnight;
- (d) "**Contract**" means the combined documents consisting of the Request for Quotation package and any documents and drawings referred to and incorporated therein together with any submissions required to be made by the Contractor after award, and all amendments to the foregoing;
- (e) "**Contract Administrator**" means the person authorized to represent the City in respect of the Contract;
- (f) "**Contractor**" means the person undertaking the performance of the Work under the terms of the Contract;
- (g) "**User**" means a person, department or other administrative unit of the City authorized by the Contract Administrator to order Work under this Contract;
- (h) "**Work**" means the carrying out and the doing of all things, whether of a temporary or permanent nature, that are to be done by the Contractor pursuant to the Contract and, without limiting the generality of the foregoing, includes the furnishing of all equipment, facilities, material, labour and services necessary for or incidental to the fulfilment of the requirements of the Contract.

- 2.1.1 The Contract Administrator is:

Jason Shumka E.I.T.
Contract Administrator
110-1199 Pacific Ave., Winnipeg, MB R3E 3S8
Telephone No. (204) 986-4076
Facsimile No. (204) 224-0032

- 2.1.2 At the pre-commencement meeting, the Contract Administrator will identify additional personnel representing the Contract Administrator and their respective roles and responsibilities for the Work.

3. SURPLUS GOODS

- 3.1 The surplus goods offered for sale are:

- (a) one (1) transformer measuring approximately 2.92 m x 2.8 m x 2.8 m, weighing approximately 12,700 kilograms. (oil removed) in accordance with the drawings provided and listed as follows:

<u>Drawing No.</u>	<u>Drawing Name/Title</u>
Specification Sheet 1	Westinghouse Canada Limited – Power Transformer Specification
Specification Sheet 2	Westinghouse Canada Limited –Transformer Performance Specification
Form 50 – 1029	Power Transformer – Type ONAN, Type LNaN
Picture A	Photograph 1
Picture B	Photograph 2

- (b) station structure (galvanized steel switchyard lattice work) approximately 112 metres in accordance with the drawing provided as follows:

<u>Drawing No.</u>	<u>Drawing Name/Title</u>
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DBP - 47 66/4.16 KV OUTDOOR SUBSTATION

Picture C Photograph 3

Picture D Photograph 4

(c) various insulators, power fuses and fixtures;

3.2 The work shall include:

(a) concrete pad removal including pile foundations (removed to 1 metre below surface) approximately 17 cubic metres; and

(b) removal of approximately 25 metres of 1.2 m x 1.4 m concrete duct running less than 1 metre below the surface.

4. PICK UP

4.1 Surplus goods shall be picked up between 8:30 a.m. and 4:30 p.m. on Business Days.

5. ADDENDA

5.1 The Buyer may, at any time prior to the Submission Deadline, issue addenda correcting errors, discrepancies or omissions in the Request for Quotation, or clarifying the meaning or intent of any provision therein.

5.2 The Buyer will issue each addendum to all Bidders by:

(a) mail, courier or facsimile transmission (fax) to the usual business address of the Bidder as shown in the records of the Materials Management Division; and/or

(b) publication at the Materials Management Division's Bid Opportunities internet website at <http://www.winnipeg.ca/matmgt/bidopp.asp>.

5.3 The Bidder is responsible for ensuring that he/she has received all addenda and shall acknowledge receipt of each addendum on the Request for Quotation cover page. Failure to acknowledge receipt of an addendum may render a Bid non-responsive.

5.3.1 The Bidder is advised to check the Materials Management Division's Bid Opportunities internet website for addenda shortly before submitting his/her Bid.

6. SITE INVESTIGATION

6.1 Further to C3.1, the Contract Administrator or an authorized representative will be available at the front access gates at 9:00 a.m. sharp on October 7, 2009 to provide Bidders access to the Site, located at Lot 57082, Provincial Road 207, RM of Springfield, Manitoba.

6.2 The Bidder shall not be entitled to rely on any information or interpretation received at the Site investigation unless that information or interpretation is the Bidder's direct observation, or is provided by the Contract Administrator in writing.

7. BID SUBMISSION

7.1 The Bid Submission consists of the following components:

(a) Offer of Surplus Goods cover page completed and signed;

7.2 Bids may be submitted by:

(a) mail, courier or personal delivery to the address shown on the Request for Quotation cover page; or

(b) facsimile transmission (fax) to (204) 949-1178.

7.3 The Bidder is advised that the City cannot take responsibility for the availability of the facsimile machine at any time.

7.4 Bids submitted by internet electronic mail (e-mail) will not be accepted.

8. PRICES

8.1 The Bidder shall state a lump sum price in Canadian funds for the Work identified on the Offer of Surplus Goods cover page.

8.2 Prices shall be fixed for the duration of the Contract except for changes stipulated, with amounts and effective dates, in the Bid.

8.3 Further to 8.1 of the Terms and Conditions, the City will not consider deductions in payment for any charges (e.g., minimum pick up charges, handling charges, container deposits, etc.), except those imposed after the Submission Deadline by a government or regulatory authority having jurisdiction, unless they are identified and quantified in the Bid.

8.4 The quantities for which payment will be made by the Contractor shall be determined by the surplus goods actually supplied to the Contractor.

9. PAYMENTS

9.1 Notwithstanding 8.4 of the Terms and Conditions, the Contractor shall submit payment to the location designated by the Contract Administrator prior to pick up of surplus goods.

9.2 Each payment must be accompanied by a written statement clearly indicating, as a minimum:

- (a) the City's Transaction number;
- (b) pick up date(s);
- (c) pick up address;
- (d) itemized description, quantity and unit price(s) of goods received;
- (e) total amount of payment with GST and PST, where applicable, shown as separate amounts; and
- (f) where applicable, the Contractor's vendor registration number or a copy of the Contractor's purchase exemption certificate and, where applicable, his/her licence number (see 8.2 and 8.3 of the Terms and Conditions).

10. SAFE WORK PLAN

10.1 The Contractor shall provide the Contract Administrator with a Safe Work Plan at least five (5) Business Days prior to the commencement of any Work on the Site but in no event later than the date specified in C4.1 for the return of the executed Contract.

10.2 The Safe Work Plan should be prepared and submitted in the format shown in the City's template which is available on the Information Connection page at The City of Winnipeg, Corporate Finance, Materials Management Division internet site at <http://www.winnipeg.ca/matmgt>.

11. INSURANCE

11.1 The Contractor shall provide and maintain the following insurance coverage:

- (a) commercial general liability insurance, in the amount of at least two million dollars (\$2,000,000.00) all inclusive, with The City of Winnipeg being added as an additional insured, with a cross-liability clause, such liability policy to also contain a contractual liability, an unlicensed motor vehicle liability and a products and completed operations endorsement to remain in place at all times during the performance of the Work and throughout the warranty period;
- (b) automobile liability insurance for owned and non-owned automobiles used for or in connection with the Work in the amount of at least two million dollars (\$2,000,000.00) at all times during the performance of the Work and until the date of Total Performance.

11.2 Deductibles shall be borne by the Contractor.

11.3 The Contractor shall provide the Contract Administrator with a certified true copy or a certificate of insurance of each policy at least two (2) Business Days prior to the commencement of any Work on the Site but in no event later than seven (7) Calendar Days from notification of the award of Contract.

11.4 The Contractor shall not cancel, materially alter, or cause each policy to lapse without providing at least fifteen (15) Calendar Days prior written notice to the Contract Administrator.

12. WORKERS COMPENSATION

12.1 The Contractor shall be registered with the Workers Compensation Board of Manitoba, shall provide and maintain Workers Compensation coverage throughout the term of the Contract, and shall provide the Contract Administrator with evidence thereof upon request.

13. EVALUATION CRITERIA

13.1 Award of this Contract will be based on the following evaluation criteria:

- | | |
|--|------------|
| (a) conformance of the Bid with the requirements of the RFQ | pass/fail; |
| (b) qualifications of the Bidder pursuant to 1.8 of the Terms and Conditions | pass/fail; |
| (c) total contract price | 100%. |

13.2 Further to 13.1(b), the Bidder shall:

- (a) submit, within two (2) Business Days of a request by the Buyer, proof satisfactory to the Buyer of the qualifications of the Bidder and of any proposed subcontractor;
- (b) provide, on the request of the Buyer, full access to any of the Bidder's equipment and facilities to confirm, to the Buyer's satisfaction, that the Bidder's equipment and facilities are adequate to perform the Work.

14. AWARD OF CONTRACT

14.1 This Contract shall be awarded as a whole.

15. SECURITY CLEARANCE

15.1 Each individual proposed to perform Work under the Contract shall be required to obtain a Criminal Record Search Certificate from the police service having jurisdiction at his place of residence.

15.2 Prior to the commencement of any Work, and during the term of the Contract if additional or replacement individuals are proposed to perform Work, the Contractor shall supply the Contract

15.3 Administrator with a Criminal Record Search Certificate obtained not earlier than one (1) year prior to the Submission Deadline, or a certified true copy thereof, for each individual proposed to perform the Work.

15.4 Any individual for whom a Criminal Record Search Certificate is not provided, or for whom a Criminal Record Search Certificate indicates any convictions or pending charges related to property offences or crimes against another person, will not be permitted to perform any Work.

15.5 Any Criminal Record Search Certificate obtained thereby will be deemed valid for the duration of the Contract subject to a repeated records search as hereinafter specified. Notwithstanding the foregoing, at any time during the term of the Contract, the City may, at its sole discretion and acting reasonably, require an updated criminal records search. Any individual who fails to provide a satisfactory Criminal Record Search Certificate as a result of a repeated criminal records search will not be permitted to continue to perform any Work.

16. CONTROL OF WORK

16.1 PRIME CONTRACTOR – THE WORKPLACE SAFETY AND HEALTH ACT (MANITOBA)

- 16.1.1 AECOM Canada Projects (CM) Ltd. shall be the Prime Contractor and shall serve as, and have the duties of the Prime Contractor in accordance with The Workplace Safety and Health Act (Manitoba).
- 16.1.2 As Prime Contractor, AECOM Canada Projects (CM) Ltd. will administer a Safety and Health Management Plan. Compliance with this Plan will be mandatory for all personnel on the construction site and orientation of all staff by the Prime Contractor's Safety Officer will be required.
- 16.1.3 The Water Treatment Program Project Safety and Health Management Plan is available on the City of Winnipeg, Corporate Finance, Materials Management Branch internet site at <http://www.winnipeg.ca/matmgt/projects>.

17. SITE ROADS AND WORK SITE ACCESS

- 17.1 The Contractor shall have access to the Site on Business Days between 08:00 and 17:00 unless otherwise approved by the Contract Administrator.
- 17.2 Access to the work site is restricted and cooperation with other contractors on Site is necessary in the best interest of all parties.
- 17.3 The Site is located on Provincial Road 207, 3.2 km north of Highway 1 in Dugald, Manitoba.
- 17.3.1 The Site address is PR 207, Lot 57082, Dugald, Manitoba.
- 17.4 Provincial Road 207 north of the GWWD rail crossing is a Class B1 road and is subject to load restrictions which will affect the maximum weight of individual deliveries. The approximately 3.2 km of PR 207 between the entrance to the Site and Highway 1 is a TAC Route.
- 17.5 Maintenance and upkeep of the noted roads is the shared responsibility of all contractors who use the roads, including the Contractor.
- 17.6 Construction and removal, if necessary, of any additional access roads is the responsibility of this Contractor.
- 17.7 One side of fencing on the jobsite will be taken down by others before work commences.

18. ENVIRONMENTAL PROTECTION

- 18.1 The Contractor shall be aware that the Aqueduct is for potable water supply and no contamination by fuel, chemicals, etc. shall be permitted at any time. Fuels or chemicals shall not be stored within 30 metres of the Aqueduct.
- 18.2 The Contractor shall plan and implement the Work of this Contract strictly in accordance with the requirements of the environmental protection measures as herein specified.
- 18.3 The Contractor is advised that at least the following Acts, Regulations, and By-laws apply to the Work:
 - (a) Federal
 - (i) Canadian Environmental Protection Act (CEPA) c.16;
 - (ii) Transportation of Dangerous Goods Act and Regulations c.34;
 - (b) Provincial
 - (i) The Dangerous Goods Handling and Transportation Act D12;
 - (ii) The Endangered Species Act E111;
 - (iii) The Environment Act c.E125;
 - (iv) The Fire Prevention Act F80;
 - (v) The Manitoba Nuisance Act N120;
 - (vi) The Public Health Act c.P210;
 - (vii) The Workplace Safety and Health Act W120;
 - (viii) Current applicable associated regulations;
 - (ix) The Fisheries Act;

- (x) The Migratory Birds Act;
- (xi) The Historic Resources Act;
- (xii) Drinking Water Safety Act;

18.3.1 The Contractor is advised that the following environmental protection measures apply to the Work.

18.3.2 Materials Handling and Storage

- (a) Construction materials shall not be stored within ten (10) metres of the Aqueduct centerline without the approval of the Contract Administrator.

18.3.3 Fuel Handling and Storage

- (a) The Contractor shall abide by the requirements of Manitoba Conservation storage and handling of Petroleum Products and Allied Products Regulations for handling and storage of fuel products.
- (b) All fuel handling and storage facilities shall comply with The Dangerous Goods and Transportation Act Storage and Handling of Petroleum Products Regulation and any local land use permits.
- (c) Fuels, lubricants, and other potentially hazardous materials as defined in The Dangerous Goods and Transportation Act shall be stored and handled within the approved storage areas.
- (d) The Contractor shall ensure that all fuel storage containers are inspected daily for leaks and spillage.
- (e) Products transferred from the fuel storage area(s) to specific work sites shall not exceed the daily usage requirement.
- (f) When servicing requires the drainage or pumping of fuels, lubricating oils or other fluids from equipment, a groundsheet of suitable material (such as HDPE) and size shall be spread on the ground to catch the fluid in the event of a leak or spill. No repairs within 30 m of aqueduct or watercourse will be permitted.
- (g) Refuelling of mobile equipment and vehicles shall take place at least 30 m from a watercourse.
- (h) The area around storage sites and fuel lines shall be distinctly marked and kept clear of snow and debris to allow for routine inspection and leak detection.
- (i) A sufficient supply of materials, such as absorbent material and plastic oil booms, to clean up minor spills shall be stored nearby on-site. The Contractor shall ensure that additional material can be made available on short notice. All refuelling vehicles shall be equipped with a spill response kit.

18.3.4 Waste Handling and Disposal

- (a) The construction area shall be kept clean and orderly at all times during and at completion of construction.
- (b) At no time during construction shall personal or construction waste be permitted to accumulate for more than one day at any location on the construction site, other than at a dedicated storage area as may be approved by the Contract Administrator.
- (c) Indiscriminate dumping, littering, or abandonment shall not take place.
- (d) No on-site burning of waste is permitted.
- (e) Equipment shall not be cleaned within 30 m of watercourses; contaminated water from onshore cleaning operations shall not be permitted to enter watercourses.

18.3.5 Dangerous Goods/Hazardous Waste Handling and Disposal

- (a) Dangerous goods/hazardous waste are identified by, and shall be handled according to, The Dangerous Goods Handling and Transportation Act and Regulations.
- (b) The Contractor shall be familiar with The Dangerous Goods Handling and Transportation Act and Regulations and meet training requirements for these Regulations.

18.3.6 Emergency Spill Response

- (a) The Contractor shall ensure that due care and caution is taken to prevent spills.

- (b) The Contractor shall report all major spills of petroleum products or other hazardous substances with the potential for impacting the environment and threat to human health and safety to the Contract Administrator and Manitoba Conservation, immediately after occurrence of the environmental accident, by calling the 24-hour emergency telephone phone number (204) 945-4888.
- (c) The Contractor shall designate a qualified supervisor as the on-site emergency response coordinator for the project. The emergency response coordinator shall have the authority to redirect manpower in order to respond in the event of a spill. (Should include reference to a site-specific Emergency Response Plan and Environmental Protection Plan.)
- (d) The following actions shall be taken by the person in charge of the spilled material or the first person(s) arriving at the scene of a hazardous material accident or the onsite emergency response coordinator:
 - (i) Notify emergency-response coordinator of the accident:
 - 1. identify exact location and time of accident
 - 2. indicate injuries, if any
 - 3. request assistance as required by magnitude of accident Manitoba Conservation 24-hour Spill Response Line (204) 945-4888, RCMP (Oakbank Detachment) (911), City of Winnipeg Fire Department (911), Springfield Ambulance (911), company backup, contact Contract Administrator.
 - (ii) Assess situation and gather information on the status of the situation, noting:
 - 1. personnel on site
 - 2. cause and effect of spill
 - 3. estimated extent of damage
 - 4. amount and type of material involved
 - 5. proximity to waterways and the Aqueduct
 - (iii) If safe to do so, try to stop the dispersion or flow of spill material:
 - 1. approach from upwind
 - 2. stop or reduce leak if safe to do so
 - 3. dyke spill material with dry, inert sorbent material or dry clay soil or sand
 - 4. prevent spill material from entering waterways and utilities by dyking
 - 5. prevent spill material from entering Aqueduct manholes and other openings by covering with rubber spill mats or dyking
 - (iv) Resume any effective action to contain, clean up, or stop the flow of the spilled product.

18.3.7

The emergency response coordinator shall ensure that all environmental accidents involving contaminants shall be documented and reported to the Manitoba Conservation according to The Dangerous Goods Handling and Transportation Act Environmental Accident Report Regulation 439/87.

TRANSFORMER SPECIFICATION



Westinghouse Canada Limited

Transformer will be designed and manufactured to comply with the latest revisions to C.S.A. Standard Specification for Power Transformers C-88. -1968

DATE Jan. 3, 1978		ITEM 1	
CITY OF WINNIPEG - DEACON P.S.		Performance Specification 34103	Dwg. or Form No. 50-1029
CONTINUOUS DUTY 5000/6667	TYPE		
INSULDR RATING 5600	PHASE 3	CYCLES/SEC. 60	° C. TEMP. RISE 55
	% REACTANCE 5.5 ✓		
	HIGH VOLTAGE WINDING	LOW VOLTAGE WINDING	TERTIARY WINDING
NOMINAL VOLTAGE	66,000 V	4,160 V	
WINDING CONNECTION	Delta	Wye	
VOLTAGE CLASS	KV	KV	KV
IMPULSE LEVEL	350 KV ✓	75 KV ✓	KV

(4) 2 1/2% FULL CAPACITY (1 ✓) ABOVE, AND (3 ✓) BELOW NOMINAL HIGH VOLTAGE

C.S.A. SERIES (See DMP Page No <input type="checkbox"/> H1901 -32)	ADDITIONAL ACCESSORIES	GAS DETECTOR RELAY	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	SILICA GEL DEHYDRATING BREATHERS	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	NON-DETACHABLE COOLING TUBES	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
		NEUTRAL BUSHING	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> On Cover ✓	WINDING TEMP. EQUIPMENT	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	DETACHABLE RADIATORS	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>

INTERNAL CONNECTIONS MEANS OF	HIGH VOLTAGE			LOW VOLTAGE		
	COVER MOUNTED BUSHINGS (CEMA STANDARD IGL-1957)	STD. THROAT FLANGE (PER DWG. 316A723-26)	JUNCTION BOX	COVER MOUNTED BUSHINGS (CEMA STANDARD IGL-1957)	STD. THROAT FLANGE (PER DWG. 316A723-26)	JUNCTION BOX
	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
	TANK WALL BUSHINGS	FULL HEIGHT THROAT FLANGE		TANK WALL BUSHINGS	FULL HEIGHT THROAT FLANGE	
	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
CONDUIT TO BOX	CONDUIT <input type="checkbox"/>	POTHEAD <input type="checkbox"/>	OTHER <input type="checkbox"/> SEE BELOW	CONDUIT <input type="checkbox"/>	POTHEAD <input type="checkbox"/>	OTHER <input type="checkbox"/> SEE BELOW

FINISH - EQUIPMENT GREEN - To be advised.

- Winding material - ALUMINUM.

- Sound Level - 58 db. ✓

- Complete with special Pressure Relief Device. ✓

- 3, 100/5 Amp CT's mounted on the H.V. bushings with standard, relaying accuracy. ✓

USER REFERENCE

COMPANY REFERENCE

PAGE

NEG. # W30-2730

HAMILTON — ONTARIO

TRANSFORMER PERFORMANCE SPECIFICATION

Date December January 3, 1978 Specification No. 34103

For CITY OF WINNIPEG

RATING

Kva	Type of Cooling	°C Rise	Phase	Cycles	High Voltage	Low Voltage
5,000	ONAN	55	3	60	66,000 V	4,160 V
6,667	ONAF					

ADDITIONAL APPROXIMATE VOLTAGES

High Voltage	67,650; 64,350; 62,700; 61,050 Full Capacity Off Load.
Low Voltage	None.

CONDITIONS OF OPERATION

Transformers in Bank	To Transform From	Phase	Connected	To	Phase	Connected
1	66,000	3	Delta	4,160	3	Star

PERFORMANCE (AT 75°C.) (5000) KVA APPROXIMATE DIMENSIONS AND WEIGHTS

Wattmeter Losses			Dimensions (Inches)		Net Weights (Pounds)		
Iron Loss	Total Loss		Height Overall	A	155	Core and Coils	18,000
8.5 KW	43 KW			Projected Floor Space	B	120	Case and Fittings
Applied Voltage Tests to other Windings and Iron			Height Over Cover		C	110	Oil
Winding	Volts	Induced Voltage Tests		D	115	Total	37,600
High Voltage	140,000		2 Times Normal	Quotation is contingent on acceptance of general arrangement of cooler, bushings, and fittings shown on Form 50-1029			
Low Voltage	19,000	For 7200 Cycles.					

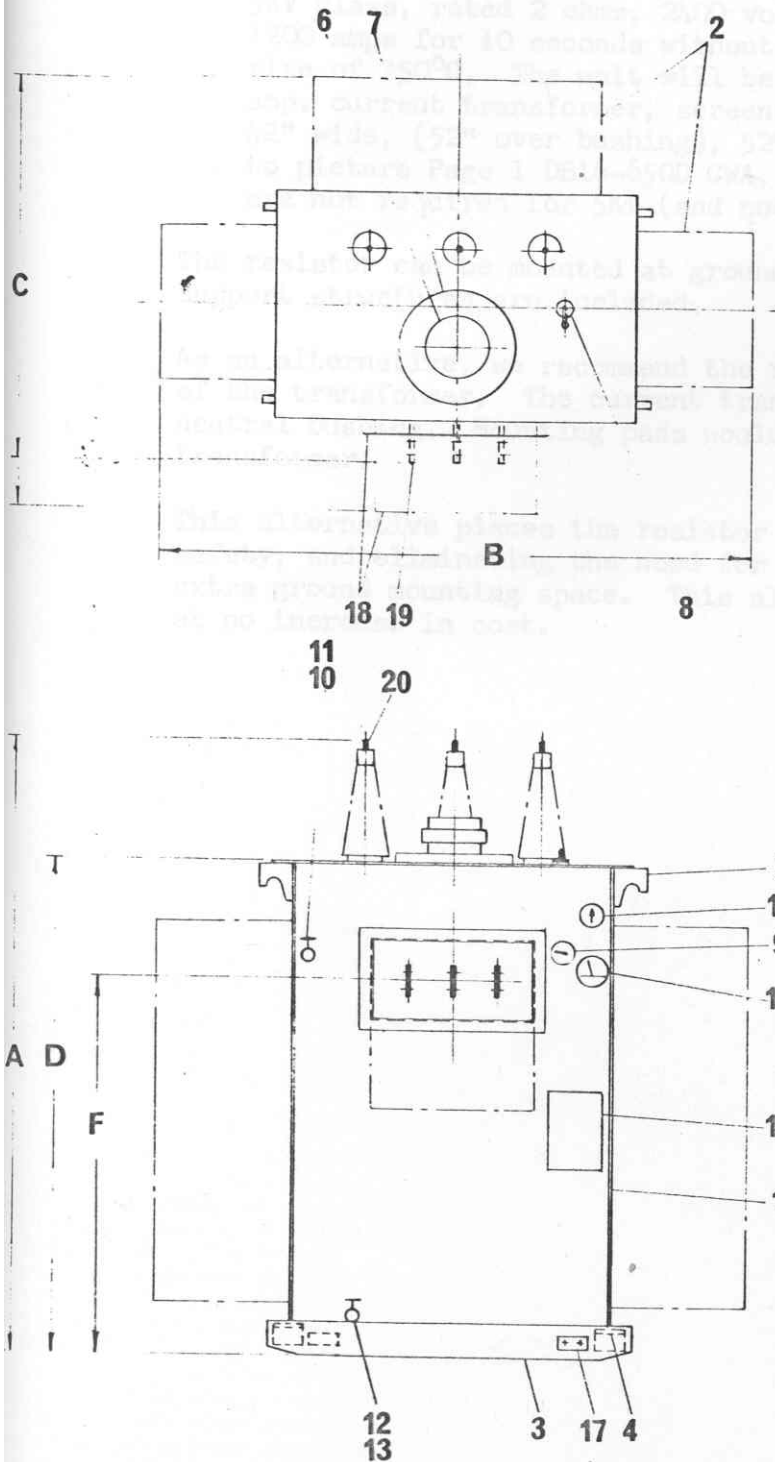
REACTANCE WILL BE 5.5 PER CENT, BASED ON THE 5,000 KVA RATING.

This transformer will be manufactured and tested in accordance with C.S.A. Specification C-88 (latest edition), unless otherwise specified.

POWER TRANSFORMER

TYPE ONAN

TYPE LNaN



ITEM	DESCRIPTION
1.	TANK
2.	NON-DETACHABLE COOLERS
3.	BASE
4.	JACK PAD ON FOUR CORNERS
5.	LIFTING HOOKS FOR LIFTING COMPLETE UNIT
6.	RELIEF DEVICE
7.	MANHOLE OR HANDHOLE
8.	H.V. TAPCHANGER OPERATING MECHANISM
9.	MAGNETIC LIQUID LEVEL GAUGE
10.	UPPER FILTER PRESS VALVE (ONAN ONLY)
11.	UPPER FILTER PRESS VALVE WITH SAMPLER (LNaN ONLY)
12.	COMBINATION DRAIN, FILTER PRESS AND SAMPLING VALVE (ONAN ONLY)
13.	COMBINATION DRAIN AND FILTER PRESS VALVE (LNaN ONLY)
14.	PRESSURE VACUUM GAUGE
15.	DIAL TYPE THERMOMETER WITH BULB IN WELL AND MAXIMUM INDICATING HAND
16.	RATING PLATE
17.	GROUNDING PADS
18.	L.V. THROAT OR JUNCTION BOX
19.	L.V. BUSHINGS, BUS BAR OR STUD TYPE (DEPENDING ON CURRENT RATINGS)
20.	H.V. BUSHINGS

OUTLINE DRAWING
THIS DRAWING IS NOT TO BE REGARDED
AS INDICATING THE EXACT DETAILS OF
CONSTRUCTION OR THE EXACT NUMBER
AND POSITION OF ACCESSORIES.

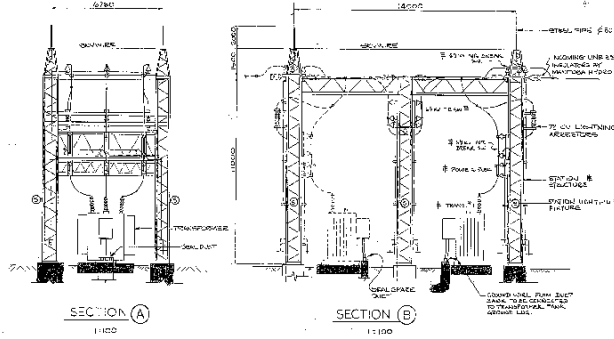
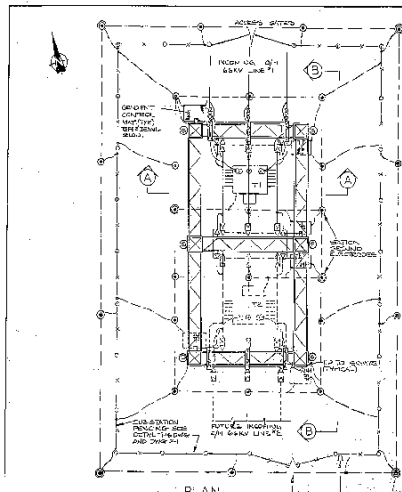
Photograph 1
Looking North



Photograph 2
Looking Southeast



Ref. to Drawing No. 66/4/16
DETAILS



GENERAL NOTES

1. CONDUIT SHALL BE 66KV
2. LIVE PARTS TO LIVE PARTS 5000
3. LIVE PARTS TO ADJACENT SUBSTATION 7000
4. 8" Ø INSULATION 1400 FROM POINT TO POINT
5. FOOTING 10000
6. SUBSTATION LIGHTING IS SELF-CONTAINED. FUTURE WITH 2000 TOP LAMP FOR 1000 WIRE LAMP WITH 100000 HOURS LIFE. (SEE NOTE 10)
7. SUBSTATION FENCE IS IN ACCORDANCE WITH ELECTRICAL CODE SECTION 20-1002. TO BE 1000 HIGH. (SEE CITY OF WINNIPEG SUBJECT 66/4/16/17)
8. FOR SUBSTATION REGULATION SEE ELECTRICAL DRAWINGS
9. SEE FOUNDATION DETAILS PER PAGE 14

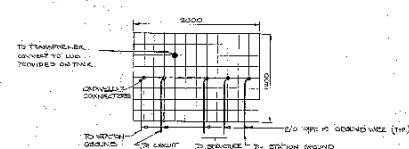
LEGEND

- 1. UNFINISHED SURFACE AND/OR CONCRETE
- 2. FINISHED SURFACE AND/OR CONCRETE

PLAN
66KV SUB-STATION
1:100

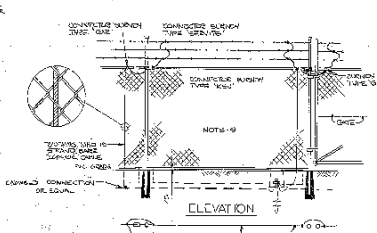
SECTION A
1:100

SECTION B
1:100

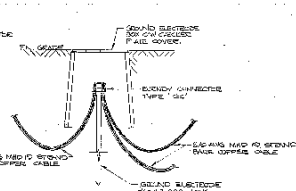


GRADIENT CONTROL MAT (NTS)

66KV MAT WAS WELDED INTO 100X100
THE CONTACTS SUPPLIED AND
WELDED TO THE MAT. THE MAT IS
DESIGNED TO PROVIDE A LOW
RESISTANCE PATH TO GROUND
FOR THE SUBSTATION SYSTEM
CONFORMING TO MINIMUM IEC REQUIREMENTS.



PLAN
METHOD OF GROUNDING SUBSTATION FENCE
(N.T.S.)

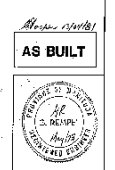


INSPECTION BOX FOR MEASURING GROUND
SYSTEM IMPEDANCE & CONTINUITY
(NTS.)

NO.	DATE	DESCRIPTION
1	2008-11-10	ISSUED FOR TENDER
2	2009-01-15	REVISED TO AS BUILT

DESIGNED BY: J. D.	DESIGNED BY: W. R.
CHECKED BY: J. S.	CHECKED BY: J. S.
APPROVED BY: J. S.	APPROVED BY: J. S.

THE CITY OF WINNIPEG WATERWORKS, WASTE AND DISPOSAL DIVISION	SCALE: AS SHOWN
DEACON BOOSTER PUMPING STATION	DATE: MAY 25, 2008
ELECTRICAL	CONSULTANT DRAWING NO.
66/4/16 KV OUTDOOR SUBSTATION	E2 of 18
	CITY DRAWING NO.
	088-17



CHANGES

MICROFILMED NOV 1985 FILE 1009-41-10389

Photograph 3
Looking East



Photograph 4
Looking East

