



**REQUEST FOR QUOTATION 4805Q
SUPPLY & DELIVERY OF ONE (1) VACUUM STREET SWEEPER**

Quotations will be received at the Information Counter, Main Floor, Richmond City Hall, addressed to the Purchasing Section, 6911 No. 3 Road, Richmond, BC, V6Y 2C1, until **3:00 pm local time on Thursday May 9th, 2013.**

NOTES:

1. Three (3) copies of quotations shall be in a sealed envelope or package marked with the bidder's Name, the RFQ Title and Number.
2. The Closing time will be conclusively deemed to be the time shown on the clock used by the City for this purpose.
3. Faxed quotations will not be received or considered.

All queries related to the RFQ shall be submitted
in writing to the attention of:

Kerry Gillis - Buyer II - Contracting Specialist

email: purchasing@richmond.ca

The deadline for all enquiries is **5:00 pm local time, Thursday May 2nd, 2013.**

The City reserves the right not to respond to inquiries received after this time.

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REQUEST FOR QUOTATION 4805Q

SUPPLY & DELIVERY OF ONE (1) VACUUM STREET SWEEPER

Name of Bidder: _____

Address: _____

City: _____

Province: _____

Postal Code _____

Telephone Number: _____

Contact Person: _____

Title: _____

Email Address: _____

Fax Number: _____

PART A – INSTRUCTIONS TO BIDDERS

PART A – INSTRUCTIONS TO BIDDERS

1.0 Description of Requirement

- 1.1 Quotations are invited for supply & delivery of one (1) vacuum street sweeper as set out herein, for the City of Richmond (the “City”).

2.0 Pricing

- 2.1 Prices quoted will be in Canadian currency, exclusive of both G.S.T and P.S.T. and inclusive of all F.O.B. Destination to the Sites named herein as applicable, and with all freight, unloading at destination, import duties, brokerage, royalties, handling, overhead, profit and all other costs included.

3.0 Inquiries and Clarifications

- 3.1 Inquiries are to be in written form only and e-mailed to the contact persons shown on the cover page. If required, an amendment or addendum may be issued to Bidders. However, it is the sole responsibility of the Bidder to thoroughly examine these documents, and amendments and addenda and to satisfy itself as to the full Requirements of this Request for Quotation (“RFQ”).
- 3.2 The City, its agents, consultants, elected officials and employees shall not be responsible for any information given by way of oral or verbal communication.
- 3.3 The City will only respond to questions that are submitted in writing. Any questions that are received and answered by City Staff that affect the RFQ process, any interpretation of, additions to, deletions from, or any other corrections to the Request for Proposal document, may be issued as written addenda by the City. It is the sole responsibility of the potential Proponents to check the following websites to ensure that all available information has been received prior to submitting a Quotation:
- a) City: <http://www.richmond.ca/busdev/tenders.htm>
 - b) BC Bid: <http://www.bcbid.gov.bc.ca/open.dll/welcome?language=En>
- 3.4 The decision to issue or not issue an addendum is entirely at the sole discretion of the City.
- 3.5 Each addendum will be incorporated into and become part of the RFQ document. No amendment of any kind to the RFQ is effective unless it is contained in a written addendum issued by the City’s Purchasing Section.

PART A – INSTRUCTIONS TO BIDDERS

4.0 Submission of Quotation

- 4.1 The response to this RFQ with all accompanying schedules, appendices, amendments or addenda submitted by the Bidder will be received up to the closing time on the date and in the place shown on the title page of this RFQ (the “Closing Time”). The Quotation shall be submitted on the forms provided in a sealed envelope or package, marked with the Bidder’s name and the RFQ title and number.
- 4.2 Quotations received after the Closing Time or in locations other than the address indicated, may not be accepted and may be returned unopened.
- 4.3 The Bidder should submit Three (3) copies of its Quotation in accordance with the instructions stated herein.
- 4.4 The Bidder should enter its corporate or legal business name on the final page of the Quotation Form. The Quotation Form should be signed in the place provided by an officer or employee having authority to bind the Bidder to the terms and conditions of this RFQ. All other pages of the Quotation Form should be initialled by the authorized signatory.
- 4.5 Amendments to a Quotation may be submitted if delivered in writing prior to the Closing Time in a sealed envelope or package, marked with the Bidder’s name and the RFQ title and number.
- 4.6 Quotations may be withdrawn by written notice only, provided such notice is received at the Purchasing Section office prior to the Closing Time.
- 4.7 All costs associated with the preparation and submission of the Quotation, including any costs incurred by the Bidder after the Closing Time, will be borne solely by the Bidder.
- 4.8 By submitting a Quotation, the Bidder acknowledges and agrees that the City will not be responsible for any costs, expenses, losses, damages (including damages for loss of anticipated profit) or liabilities incurred by the Bidder as a result of or arising out of submitting a Quotation for the proposed Contract, or due to the City’s acceptance or non-acceptance of their Quotation or any breach by the City of the Quotation contract between the City and each of the Bidders or arising out of any contract award not made in accordance with the express or implied terms of the Quotation documents.

PART A – INSTRUCTIONS TO BIDDERS

5.0 Conflict of Interest

- 5.1 By submitting a Quotation, the Bidder warrants that neither it nor any of its officers or directors, or any employee with authority to bind the Bidder, has any financial or personal relationship or affiliation with any elected official or employee of the City or their immediate families which might in any way be seen by the City to create a conflict.

6.0 Evaluation of Quotations

- 6.1 Quotations will be evaluated on the basis of the overall best value to City based on quality, service, price and any other criteria set out herein including, but not limited to:
- a) the Bidder's ability to meet the Requirements, qualifications and competencies set out herein;
 - b) financial offer including but not limited to prices, operating and maintenance costs, warranty, and any life cycle considerations;
 - c) the Bidder's business and technical reputation and capabilities; experience and where applicable, the experience of its personnel; track record; and references of current and former customers;
 - d) financial stability;
 - e) equipment quality, configuration, age and condition; and
 - f) any other criteria set out in the RFQ.
- 6.2 Prior to Contract award, the Bidder may be required to demonstrate financial stability. Should the City so request, the Bidder will be required to provide annual financial reports or a set of financial statements prepared by an accountant and covering the last two (2) fiscal years.
- 6.3 The City may, prior to Contract award, negotiate changes to the scope of the Work, the materials, the Specifications or any conditions with any one or more of the Bidders without having any duty or obligation to advise any other Bidders or to allow them to vary its prices as a result of changes to the scope of Work, the materials, the Specifications, or any conditions, and the City shall have no liability to any other Bidder as a result of such negotiations or modifications.
- 6.4 All sub-contractors of the Bidder will be subject to the same evaluation process. It is the responsibility of the Bidder to guarantee that all its sub-contractors will comply with all the Requirements and terms and conditions set out herein.

PART A – INSTRUCTIONS TO BIDDERS

- 6.5 Preference may be given to Quotations offering environmentally beneficial products or services.

7.0 Acceptance and Rejection of Quotations

- 7.1 Notwithstanding any other provision in the Quotation documents, the City has in its sole discretion, the unfettered right to:
- a) accept any Quotation;
 - b) reject any Quotation;
 - c) reject all Quotations;
 - d) accept a Quotation which is not the lowest Quotation;
 - e) accept a Quotation that deviates from the Requirements, Specifications or the conditions specified in this Request for Quotation;
 - f) reject a Quotation even if it is the only Quotation received by the City;
 - g) accept all or any part of a Quotation; and
 - h) split the Requirements between one or more Bidders.
- 7.2 All Quotations shall remain open for a minimum of sixty (60) days after the Closing Time, whether or not another Quotation has been accepted.
- 7.3 The City may waive any non-compliance with the RFQ, the Requirements, the specifications, or any conditions of this RFQ and may elect to retain for consideration Quotations which are non-conforming, which do not contain the content or form required by the RFQ or which have not complied with the process for submission set out herein.

8.0 Award of Contract

- 8.1 Award of a Contract is contingent on funds being approved and the contract award being made by the appropriate City authority.
- 8.2 The purchase order, the Quotation, the RFQ and such other documents including all amendments or addenda, shall form the basis for the Contract between the Contractor and the City. In the event of a conflict between any of the Contract Documents, the following documents will take precedence and govern over each other in the following order of priority from highest to lowest:
- a) The General Conditions of the Contract, including any mutually agreed to amendments between the Bidder and the City;

PART A – INSTRUCTIONS TO BIDDERS

- b) The City’s purchase order including the standard purchase order terms and conditions;
 - c) The Quotation; and
 - d) The RFQ and any subsequent amendments or addenda.
- 8.3 Where the head office of the successful Bidder is located within the City of Richmond and/or where the Successful Bidder is required to perform the Service at a site located within the City of Richmond, the Successful Bidder is required to have a valid City of Richmond business license prior to Contract execution.
- 8.4 The City is not under any obligation to award a Contract and may elect to terminate this RFQ at anytime.
- 8.5 The City’s Manager, Purchasing shall have the conduct of the Request for Quotation and the Contract.

9.0 Quantities

- 9.1 Any quantities stated herein are the City’s best estimates of its Requirements and should not be relied on. Actual quantities may vary.

10.0 Alternates and/or Variations to Specifications

- 10.1 Except where stated otherwise herein, the Requirements describe what is considered necessary to meet the performance requirements of the City; and Bidders should submit their Quotations in accordance with such Requirements, or if the Bidder cannot meet the Requirements, the Bidder may offer an alternative which it believes to be the equivalent in addition to a quotation that meets the Requirements.
- 10.2 If in addition to bidding on goods, materials, equipment and/or services that meet the Requirements, the Bidder wishes to offer an alternative, the alternative Quotation should be submitted separately in the same format as the initial Quotation.
- 10.3 The City is not obligated to accept any alternatives.
- 10.4 The City will determine what constitutes allowable alternatives and/or variations.

11.0 Freedom of Information and Protection of Privacy Act (BC)

- 11.1 Bidders should note that the City is subject to the *Freedom of Information and Protection of Privacy Act* (British Columbia), which imposes significant

PART A – INSTRUCTIONS TO BIDDERS

obligations on the City's contractors to protect all personal information acquired from the City in the course of providing any service to the City.

12.0 Confidentiality

- 12.1 Information about the City obtained by Bidders must not be disclosed unless prior written authorization is obtained from the City.
- 12.2 The Successful Bidder agrees that this obligation of confidentiality will survive the termination of the Contract between the Contractor and the City.

13.0 Publication of the Results of the Request for Quotation

- 13.1 The City will publish the name of the successful Bidder on the websites listed in section 3.3. No other notices will be issued by the City. Bidders shall visit these websites to obtain the results of this Request for Quotation

14.0 Form of Agreement

- 14.1 The form of agreement consists of the terms and conditions identified in Part B *General Conditions* of this RFQ document.

PART B – GENERAL CONDITIONS

PART B – GENERAL CONDITIONS

- 1.1 The following words and terms, unless the context otherwise requires, shall have the meanings set out below. Words including the singular number include the plural and vice versa.
- a) “Act of God” means a cataclysmic phenomenon of nature, including earthquake, flood or cyclone. Rain, snow, wind, high water or any other natural phenomenon, which might reasonably have been anticipated from historical records of the general locality of the City, shall be deemed not to be acts of God;
 - b) “Bidder” means the individual, partnership, corporation or combination thereof, including joint venturers, who or which sign the Quotation form set out in Part D of, and submit a Quotation in response to, this RFQ;
 - c) “City” means the municipal corporation, generally known as the City of Richmond.
 - d) “City’s Designated Representatives” means the City’s employees or representatives who are authorized in writing to deal with the Contractor on behalf of the City in connection with the goods, materials, equipment and services or to make decisions in connection with the Contract;
 - e) “Closing Time” means the closing date, time, and place as set out on the title page of this RFQ;
 - f) “Contract” means the agreement formed between the City and the Contractor as evidenced by the purchase order issued to the Contractor by the City;
 - g) “Contract Administrator” means the City’s designated staff person who is responsible for day-to-day administration of the Contract and compliance of the Contractor with the terms and conditions of the Contract.
 - h) “Contract Documents” means the purchase order, the Contractor’s Quotation, the RFQ and such other documents as listed in the purchase order, including all amendments or addenda agreed between the parties;
 - i) “Contractor” means the successful Bidder individual, partnership, corporation or combination thereof, including joint venturers, who or which is awarded the Contract;
 - j) “Delivery Date” means the date the City requires the Contractor to deliver the goods to the City’s Delivery Site;
 - k) “F.O.B.” means all costs of freight, insurance, brokerage, customs duties and all other costs of delivery to the site named as F.O.B. will be borne by the Contractor and that ownership and title to all goods, materials, and

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equipment are transferred to the City when same are delivered by the Contractor to the City and the risk of loss or damage to the goods, materials and equipment transfers to the City only at such time as same are received and accepted by the City at the site named as “F.O.B.”;

- l) “G.S.T.” means the Goods and Services tax administered under the Excise Tax Act (Canada) and any successor tax or levy therefor in force from time-to-time;
- m) “OHS Regulation” means the *Workers Compensation Act* (British Columbia), including without limitation, the Occupational Health & Safety Regulation (BC Regulation 296/97, as amended by BC Regulation 185/99) enacted pursuant to such Act, all as such Act or Regulations are amended or re-enacted from time to time.
- n) “Owner” means the same as “City”
- o) “P.S.T.” means the British Columbia Provincial Sales Tax;
- p) “Quotation” means the Bidder’s offer made on the Quotation form set out on Part D of this RFQ with all appendices or addenda submitted by the Bidder in response to the RFQ;
- q) “RFQ” means this Request for Quotation including, but not limited to: Part A - Instructions to Bidders; Part B - General Conditions; Part C- Requirements and Part D – Quotation Form;
- r) “Requirements” means all of the specifications, requirements and services set out in the RFQ that describes the general requirements that the goods, materials, equipment and services must meet and that the Contractor must provide;
- s) “Unit” means the Vacuum Street Sweeper required under this RFQ and
- t) “Work” means all the labour, materials, equipment, supplies, services and other items necessary for the execution, completion and fulfilment of the Requirements.

2.0 Personnel

2.1 Qualified Personnel

- a) The Contractor will provide only professional personnel who have the qualifications, experience and capabilities to perform the Work.

PART B – GENERAL CONDITIONS

3.0 Sub-contractors – Intentionally Omitted

4.0 Independent Contractor

4.1 The Contractor, its sub-contractors, the officers, directors, shareholders, partners, personnel, affiliates and agents of the Contractor and its sub-contractors are not, nor are they to be deemed to be, partners, appointees, employees or agents of the City.

5.0 Assignment

5.1 The Contractor will not assign, sublet, subcontract, or let out as task work any part of the Work or any of the Contractor's obligations of the Contract Documents to any third party, and will not assign or otherwise transfer any of the rights of payment under the Contract Documents to any third party, without in each case the prior written consent of the City which consent the City may arbitrarily withhold.

5.2 If the City should consent to any such assignment, subletting or letting out as task work of all or any part of the Work, the Contractor shall in no way be relieved from its responsibility for the fulfilment of the Work, but shall continue to be responsible for the same in the same manner as if all the Work had been performed by the Contractor.

6.0 Responsibility For Supplies

6.1 The Contractor shall be responsible for the Unit covered by this contract until they are delivered at the designated delivery point, regardless of the point of inspection; and the Contractor shall bear all risks of loss or damage to rejected supplies after notice of rejection.

7.0 Delivery

7.1 Deliveries shall be made to 5599 Lynas Lane Fleet Garage in the City between the hours of 7:30 AM and 4:00 PM on any normal working day.

8.0 Time of the Essence

6.1 For all requests made by the City pursuant to the Contract, time is of the essence. The acceptance of a late performance, with or without objections or reservations by the City, shall not waive the right to claim damages for such breach nor constitute a waiver of the requirement of timely performance of any obligation remaining to be performed.

PART B – GENERAL CONDITIONS

9.0 Laws, Permits and Regulations

- 7.1 The laws of British Columbia shall govern the Contract.
- 7.2 In carrying out its obligations hereunder, the Contractor shall familiarize itself and comply with all applicable laws, bylaws, regulations, ordinances, codes, specifications and requirements of all regulatory authorities, and shall obtain all necessary licenses, permits and registrations as may be required by law.

10.0 Inspection

- 10.1 The Unit is subject to inspection and in case the Unit not in conformity with the Requirements of the Contract or the Contractors' warranty (expressed or implied), the City shall have the right either to reject it or to require correction.
- 10.2 The City shall be the final judge of the Unit and materials in respect of both quality and quantity and its decisions of all questions in dispute with regard thereto will be final.
- 10.3 The City will not be deemed to have accepted the Unit by virtue of a partial or full payment for it.

11.0 Quality of Workmanship and Materials

- 11.1 The Contractor shall perform the services with the degree of care, skill and diligence normally applied in the performance of services of a similar nature and in accordance with sound current professional practices and conforming to the requirements set out in the RFQ.
- 11.2 The whole of the Work and the manner of performing this Contract shall be done to the entire satisfaction and approval of the City, and it shall be the sole judge of the work and materials in respect of both quality and quantity, and its decision with regard to work or materials, or as to the meaning and intention of this Contract, or any part or parts thereof, shall be binding and final upon the Contractor.
- 11.3 All work shall be done in strict conformity with the Contract Documents and drawings which form a part of the Contract. The intent of the contract documents is to include all labour, materials, equipment, services, supplies and all the things necessary for the proper and complete execution of the work.
- 11.4 Materials, goods and equipment shall be the products of suppliers or manufacturers of established reputation engaged in the supply or manufacture of such materials of equipment.

PART B – GENERAL CONDITIONS

- 11.5 Materials are to be applied in accordance with the manufacturer's directions and shall use the techniques and applications best suited for the type of material being used.

12.0 Warranty

- 12.1 The Contractor warrants that the goods, materials, equipment and/or services supplied by the Contractor to the City will be in full conformity with the Specifications as well as samples, if any, then this is a sale by sample as well as by description within the meaning of the Sale of Goods Act (BC).
- 12.2 The Contractor further warrants that the goods, materials and/or equipment are of merchantable quality, and fit for the intended use and will perform according to the requirements set out in the RFQ.
- 12.3 Equipment and materials shall be new, free and clear of all liens, charges and encumbrances, the latest model, and shall be complete with all necessary accessories for operation. All equipment and materials shall be at the risk of the Contractor until delivered to and accepted by the City.
- 12.4 At a minimum, a one (1) year parts and labour warranty shall be provided on all goods, materials, equipment and/or services provided under the Contract.
- 12.5 The Contractor warrants that its employees have the qualifications, experience, knowledge, skills and abilities necessary for the fulfilment of the Contract.

13.0 Indemnification

- 13.1 The Contractor shall indemnify, hold and save harmless the City from and against all claims, losses, damages, costs, actions and other proceedings made, sustained, brought or prosecuted in a manner based upon, occasioned by or attributable to any injury, including death, property damage, infringement or damage arising from any act or omission of the Contractor, its employees, officers, volunteers, servants, sub-contractors, or agents or persons from whom the Contractor has assumed responsibility in the performance or purported performance of the Requirements.
- 13.2 The Contractor shall indemnify the City from and against any and all liability or expenses by way of legal costs or otherwise in respect of any claim which may be made for a lien or charge at law or in equity or to any claim or liability under the Builders Lien Act, or to any attachment for debt, garnishee process or otherwise.
- 13.3 The Contractor shall assume the defence of, and indemnify and hold harmless the City and its officers, employees and agents, from and against all claims relating to

PART B – GENERAL CONDITIONS

materials, goods or equipment furnished and to inventions, copyrights, trademarks, or patents and rights thereto used by the Contractor in the execution of the Contract and in subsequent use and/or operation by the City.

14.0 WorkSafe BC Coverage/Prime Contractor

- 14.1 The Contractor agrees that it shall at its own expense procure and carry or cause to be procured and carried and paid for, full WorkSafe BC coverage for itself and all workers, employees, servants and others engaged in or upon any work or service which is the subject of this contract. The Contractor agrees that the City has the unfettered right to set off the amount of the unpaid premiums and assessments for such WorkSafe BC coverage against any monies owing by the City to the Contractor. The City shall have the right to withhold payment under this contract until the WorkSafe BC premiums, assessments or penalties in respect of work done or service performed in fulfilling this contract had been paid in full.
- 14.2 The Contractor agrees that it is the Prime Contractor for the purposes of the WorkSafe BC Occupational Health and Safety Regulations for the Province of British Columbia. The Contractor shall have a safety program acceptable to the WorkSafe BC and shall ensure that all WorkSafe BC safety rules and regulations are observed during performance of this contract, not only by the Contractor but by all subcontractors, workers, material men and others engaged in the performance of this contract. Prior to commencement of construction, the Contractor shall complete and file a "Construction Notice of Project" with the WorkSafe BC and shall provide a copy of the same to the City confirming that the Contractor shall be the Prime Contractor responsible for coordination of safety and health under Part 3 of the Workers Compensation Act and Part 20 of the WCB Occupational Health and Safety Regulations.
- 14.3 The Contractor shall provide the City with the Contractor's WorkSafe BC registration number and a letter from the WorkSafe BC confirming that the Contractor is registered in good standing with the WorkSafe BC and that all assessments have been paid to the date thereof prior to the City having any obligation to pay monies under this contract. The Contractor shall also provide a signed copy of the Prime Contractor Designation Document.
- 14.4 The Contractor shall indemnify the City and hold harmless the City from all manner of claims, demands, costs, losses, penalties and proceedings arising out of or in any way related to unpaid WorkSafe BC assessments owing from any person or corporation engaged in the performance of this contract or arising out of or in any way related to the failure to observe safety rules, regulations and practices of the WorkSafe BC, including penalties levied by the WorkSafe BC.

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15.0 Termination

15.1 The City will advise the Contractor by written notice of its intent to terminate the whole or any part of the Contract in any one of the following circumstances:

- a) if the Contractor fails to make delivery of the goods, materials, equipment and/or services within the time specified, or fails to perform any other provisions, terms or conditions of the Contract within the time specified, or within a reasonable time if no time is specified;
- b) in the event that the Contractor performs any act or does anything by which the City shall incur any liability whatsoever;
- c) any failure of the Contractor to meet the safety requirements of the Contract;
- d) in the event that any creditor of the Contractor causes a writ of execution or similar writ or court order to be served upon the City requiring the City to pay any portion due to the Contractor under the Contracts; or
- e) in the event that the Contractor is adjudged bankrupt or if it makes a general assignment for the benefit of creditors or if it becomes insolvent or if it should take the benefit of any Act that may be in force for bankrupt or insolvent debtors.

15.2 Upon termination of the Contract, the City shall have no obligation to the Contractor except for such services and/or goods as have been supplied up to the date of the termination of the Contract(s).

15.3 Upon termination of the Contract(s) in whole or in part, the City may procure similar goods, materials, equipment and/or services and the Contractor shall be liable to the City for any excess costs for such similar goods, materials, equipment and/or services. The Contractor shall not be liable for any excess costs if failure to perform arises by reason of strikes, lockouts, Acts of God or acts of the City. The City will not be liable where Delivery Sites are not available due to strikes, lockouts or Acts of God.

16.0 Payments

16.1 The City shall endeavour to pay the Contractor thirty (30) days from receipt of invoice and acceptance of the goods, materials, equipment and/or services, whichever is the later.

17.0 Taxes

17.1 Unless otherwise provided herein, the Contractor shall pay all sales or excise taxes in force during the term of the Contract, provided that any increase or

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decrease in such taxes shall increase or decrease the amount due under the Contract(s).

17.2 Invoices shall show the appropriate amounts for G.S.T. and P.S.T.

18.0 Liens

18.1 The Contractor shall fully indemnify the City from and against any and all liability or expenses by way of legal costs or otherwise in respect of any claim which may be made for a lien or charge at law or inequity or to any claim or liability under the Builders Lien Act, or to any attachment for debt, garnishee process, or otherwise.

19.0 Patent Fees

19.1 The Contractor shall pay all royalties and licence fees and shall save the City harmless from loss on account of suits or claims of infringement of patents in the doing of the work.

20.0 Conduct of the Contract

20.1 The City's Manager, Purchasing shall have the conduct of the RFQ and the Contract.

21.0 Rectification of Damage and Defects

21.1 The Contractor shall rectify any loss or damage for which, in the opinion of the City the Contractor is responsible, at no charge to the City and to the satisfaction of the City. Alternatively, the City may repair the loss or damage and the Contractor shall pay to the City the costs of repairing the loss or damage forthwith upon demand from the City. Where, in the opinion of the City, it is not practical or desirable to repair the loss or damage, the City may estimate the cost of the loss or damage and deduct such estimated amount from the amount owing to the Contractor hereunder.

22.0 Failure to Perform

22.1 If, in the opinion of the Manager Purchasing, the work is improperly, defectively, or insufficiently performed, or being performed, the Manager Purchasing may, in writing, order the Contractor to re-execute or correct the work in accordance with such order; and if the Contractor fails to comply with such order within ten (10) working days, the Manager Purchasing may, at any time thereafter, execute or cause to be executed the order so given, and the Contractor shall, on demand, pay to the City, all costs, damages, and expenses incurred in respect thereof or

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occasioned by reason of the non-compliance by the Contractor with any such orders; and if the Contractor fails to pay such costs, damages, and expenses, the City may retain and deduct such costs, damages, and expenses from any amount then or thereafter payable to the Contractor under this Contract.

- 22.2 Should the Contractor neglect to execute the Requirement properly or fail to perform any provision of the Contract, the City may, without prejudice to any other right or remedy it may have, make good such deficiencies and may deduct the cost thereof from the payment due to the Contractor.
- 22.3 If the Contractor fails to perform any provision of the Contract due to reasons of strike, lockout or other work stoppages, the City may upon ten (10) days written notice to the Contractor terminate the Contract without prejudice to any other right or remedy the City may have.

23.0 Dispute Resolution

- 23.1 All claims, disputes or issues in dispute between the City and the Contractor shall be decided by mediation or arbitration, if the parties agree, or failing agreement, in a Court of competent jurisdiction with the Province of British Columbia and be governed by the laws of British Columbia.
- 23.2 In the event that the parties agree to arbitration pursuant to the above, the arbitration shall be governed by the rules of the British Columbia International Commercial Arbitration Centre, except that the arbitrator or arbitrators shall be agreed upon by the parties, and failing agreement by the parties, shall be appointed by a court of competent jurisdiction with the Province of British Columbia.
- 23.3 In the event that the parties agree to arbitration, the arbitration shall take place in the Lower Mainland, British Columbia and be governed by the laws of British Columbia.
- 23.4 The procedure set out in this section is not meant to preclude or discourage informal resolution of disagreements between the City and the Contractor.

24.0 Changes in Requirements

- 24.1 The City, without invalidating the Contract, may make changes to the Contract by altering, adding or deducting from the Requirements. Subject to mutual agreement, the Contractor shall proceed with the amended Requirements and the amended Requirements shall be executed under the provisions of the Contract.

PART C – REQUIREMENTS

PART C - REQUIREMENTS

CITY OF RICHMOND SPECIFICATIONS	STATE SPECIFICATIONS
<p><u>A. GENERAL SPECIFICATIONS</u></p> <p>One (1) heavy duty 4-Wheel type Street Vacuum Sweeper is required. The primary application for this unit will be for both left hand and right sweeping and cleaning of streets. The Unit should be capable of highway speeds.</p> <p>The street sweeping and cleaning apparatus shall be mounted on an appropriate size and capacity single axle rear drive truck chassis which shall maximize legal payloads while maintaining the shortest wheelbase for ease of operation on busy streets.</p> <p>The machine shall be capable of one man operation with all system controls located in the vehicle cab. Machine design shall incorporate features providing for ease of maintenance, environmental emission reductions, maximum operator comfort and public safety.</p> <p>The Bidder shall respond to every section indicating either the item is included, as specified, or alternative suggested. Details concerning the alternative suggestions shall include operational and technical detail explanation before it will be considered.</p> <p>Final selection for purchase shall be determined through operational and mechanical evaluations from demonstration trials. Evaluations criteria amongst others shall include suitability to City applications, operators comfort and operational ease, environmental impact, public safety and the unit pricing including options chosen.</p> <p>1.Cab and Chassis A single axle cab-over engine design equipped with dual steer required. Cab tilt mechanism shall be either hydraulic action or spring assist. STATE -make and model</p> <p>2.Cab to Axle Approximately 134" cab to axle. STATE</p>	

PART C – REQUIREMENTS

CITY OF RICHMOND SPECIFICATIONS	STATE SPECIFICATIONS
<p><u>A. GENERAL SPECIFICATIONS (Cont'd)</u></p> <p>3. Wheelbase In order to maximize manoeuvrability and tight turn radius, the wheelbase should not exceed 164". STATE</p> <p>4. Vehicle Dimensions List the following vehicle dimensions which shall include chassis and sweeper apparatus complete, fully mounted and operational. Final details concerning chassis specifications shall be determined jointly by the Sweeper apparatus manufacturer and the City of Richmond. STATE -Overall length -Overall height -Overall width -Dumping clearance height -Turning radius</p>	
<p>5. Gross Vehicle Weight Rating GVW must be between 32,000 to 35,000 lbs. STATE -Front axle loaded -Rear axle loaded -Maximum GVWR</p> <p>6. Curb Weight STATE -Front axle -Rear axle</p>	

PART C – REQUIREMENTS

CITY OF RICHMOND SPECIFICATIONS	STATE SPECIFICATIONS
<p>B. CAB</p> <p>1. Paint Cab to be painted with high quality white finish. Frame shall be painted black. Wheels shall be silver or white. STATE -Paint type and white colour description.</p> <p>2. Windshield Cab glass and windshield shall be tinted. Cab shall be fitted with both left and right front sun visors. Arm rest shall be affixed to either side of door STATE -Describe how cab is arranged.</p> <p>3. Seating Front individual high back bucket type seats. Driver and passenger seats shall be a heavy duty air suspension type seat complete with a minimum six (6) way adjustment-forward/rear, up/down and adjustable lumbar support. Seat shall be constructed of good quality material. Seats cover material to be heavy duty vinyl type fabric. Seats shall include flip up armrests and fitted with both driver and passenger seat belts in compliance with the B.C. Motor Vehicle Act and Work Safe BC Regulations. STATE -Type of fabric and colour -Seat belts -Make and model -Incorporate all adjustments, including lumbar support</p> <p>4. Instrumentation (Dual – Left & Right Side) Gauges and warning indicators required for oil pressure, coolant temperature and low fuel indicator. Also required is speedometer tachometer, Air Pressure system gauges complete with low air audible warning device (both primary and secondary), brake application gauge, voltmeter, DEF gauge, hour meter, and ammeter and transmission gauges. STATE -Type of indicator (warning buzzer or lights) -Types of gauges</p>	

PART C – REQUIREMENTS

CITY OF RICHMOND SPECIFICATIONS	STATE SPECIFICATIONS
<p>B. CAB (Cont'd)</p> <p>5. Radio To be AM/FM/CD blue tooth compatible STATE -Type.</p> <p>6. Mirrors Shall be dual (rustproof) heated and remote controlled mirrors (7" x 16" with a minimum 12" dual convex mirror. Electric mirror adjustments can be made from left and right seats. STATE -Type.</p> <p>7. Intermittent Wipers Intermittent automatic application type complete with windshield washer system and reservoir. (Butterfly Version Wipers) STATE</p> <p>8. Cab Mount Unit shall have proper rubber or poly urethane style cab mounts to reduce vibrations from transferring to cab. STATE -Cab mounting -Type</p> <p>10. Horns Truck to be fitted with dual electric and air type horns. STATE -What included.</p> <p>11. Grab Handles Cab to have both right and left hand grab handles for safe cab access and steps. STATE -Details</p>	

PART C – REQUIREMENTS

CITY OF RICHMOND SPECIFICATIONS	STATE SPECIFICATIONS
<p>B. CAB (Cont'd)</p> <p>12. Exhaust Single vertical exhaust pipe complete with curved top as "rain trap" and including heat shield rust-proofed. STATE -Type of exhaust and routing.</p> <p>13. Air Intake STATE -Type and location of mounting.</p> <p>14. Steering Steering should be full power with dual operator controls Each steering column shall be fully independent and shall include separate steering gear boxes, separate drag links and separate pitman arms. STATE -What offered.</p> <p>15. Heater/Defroster/AC Unit should be factory equipped with heater/defroster/ Air conditioning ventilation system complete with multi position blower fan. Variably adjustable heating vents for operator comfort and window "defrosting". The defrosting system shall be capable of dealing with local conditions – cool temperatures with high humidity. STATE -Type of blower control -System air movement and capacity in CFM -Heater/defroster/AC fan type and speed control</p> <p>16. Operator Visibility Maximum visibility, forward line of sight from the chassis front bumper to the point on the ground visible to the operator shall not exceed 8 feet for an SAE 98th percentile size operator. STATE -Details</p>	

PART C – REQUIREMENTS

CITY OF RICHMOND SPECIFICATIONS	STATE SPECIFICATIONS
<p>B. CAB (Cont'd)</p> <p>18. Windows/Doors/Entry Units are to be equipped with electric power windows, automatic door locks and automatic keyless entry. STATE -Details</p> <p>19. Keys Four (4) Sets of keys and if applicable remotes to be provided upon delivery of the unit. STATE -Details</p> <p>C. CHASSIS ENGINE</p> <p>1. Diesel Engine STATE -Make, model and displacement -If EPA certified for 2013 requirements</p> <p>2. Engine Power To be minimum 200 Horsepower rating. STATE -Maximum HP at RPM.</p> <p>3. Engine Torque To be a minimum of 500 FT-LBS @ 1600RPM. STATE -Peak torque at RPM.</p> <p>4. Fuel System STATE -Type of fuel pump and injectors -Electronic or mechanical governors -Fuel consumption rating -Fuel emissions ratings Advise if engine can be modified to include the dual fuel capability (i.e., CNG and Diesel).</p> <p>5. Cooling System Shall include a heavy duty cooling system complete with filter, silicone hoses and anti-freeze to -30°. STATE -Details</p>	

PART C – REQUIREMENTS

CITY OF RICHMOND SPECIFICATIONS	STATE SPECIFICATIONS
<p>C. CHASSIS ENGINE (Cont'd)</p> <p>6. Fuel Tanks Fuel tank to have a minimum of 170 litre fuel capacity. Unit shall be equipped with a fuel/water separator, self-prime, heated and water sensor system. STATE -Capacity -Separator</p> <p>D. DRIVE TRAIN</p> <p>1. Transmission Heavy duty automatic type transmission with a minimal of 5 speeds and heavy duty cooling. STATE -List Speeds - List type of transmission</p> <p>2. Rear axle Rear axle shall be rating for a minimal of 21,000lbs. STATE -Rear axle rating</p>	
<p>3. Differential A heavy duty differential with gear ratio matched to the automatic transmission. Unit shall include traction control feature. STATE -Make and model -Gear set ratio. -Traction control</p>	

PART C – REQUIREMENTS

CITY OF RICHMOND SPECIFICATIONS	STATE SPECIFICATIONS
<p>E. BRAKES</p> <p>1. Air Brakes Full air brake system with ABS. Shall incorporate heavy duty long service life components. Application is frequent "stop and go" type condition. STATE -Type of brake components. -ABS -Brake chamber size</p> <p>2. Parking Brake Parking brake shall be spring applied rear wheel drum and shoe. STATE -Type and specification.</p> <p>3. Compressor Minimum 15 CFM capacity system with air to be drawn from the clean side of engine air intake system. STATE -type and capacity.</p> <p>4. Drain Valves Manual air tank drain cocks for all tanks with the manual drains located as necessary for driver accessibility. STATE -Location of Valves</p> <p>5. Brake Shoes Due to frequent stops heavy duty type are required. STATE -Type and make -Size of shoes (Front and rear)</p> <p>6. Automatic Slack Adjusters Automatic Slack Adjusters are required. STATE -Make and model.</p> <p>7. Air Dryer A large capacity air dryer required. STATE -Make and model -Size.</p>	

PART C – REQUIREMENTS

CITY OF RICHMOND SPECIFICATIONS	STATE SPECIFICATIONS
<p><u>F. ELECTRICAL (CHASSIS)</u></p> <p>1. Alternator Minimum 120 AMP alternator. STATE -Type -Output at RPM</p> <p>2. Battery Two 12 Volt maintenance-free batteries, minimum of 600 CCA rating each. STATE -Type -Rating.</p> <p>3. Electrical Wiring Automotive reset type circuit breakers come with full wiring schematic (provided at time of truck delivery). Additional circuits for body builder as required, three amber flashers being Grote #76805 located at front and two at rear of vehicle. Directional arrow board at rear of vehicle. Unit shall include a hand held remote spotlight (mounted inside cab). One additional free circuit for radio phone installation. Appropriate spotlights included for night operations on both left and right side nozzle pickup and broom areas. STATE</p> <p>4. Back Up Alarm To be equipped with automatically activated back up alarm having a minimum of 105 dbh rating. STATE -Type and rating.</p>	

PART C – REQUIREMENTS

CITY OF RICHMOND SPECIFICATIONS	STATE SPECIFICATIONS
<p>F. ELECTRICAL (CHASSIS) (Cont'd)</p> <p>5. Work lights To be equipped with high illuminated LED work lights, One per gutter broom, Two on the back one on each side. STATE</p> <p>G. FRONT AXLE</p> <p>1. Capacity Front axles shall not be less than 12,000 lb. rating. STATE - Type and rating</p> <p>2. Front Hub To be oil bath style with see-through cover. STATE -Details</p> <p>3. Steering Dual control power steering system. Steering system shall be in compliance with Worksafe BC regulations and also the B.C. Motor Vehicle Act. STATE -Type of dual-steering system employed</p>	

PART C – REQUIREMENTS

CITY OF RICHMOND SPECIFICATIONS	STATE SPECIFICATIONS
<p><u>H. FRAME AND SUSPENSION</u></p> <p>1. Frame A heavy duty reinforced channel type frame rail with rail top clear. STATE -Frame rail yield strength</p> <p>2. Suspension The chassis suspension is not to be less than axle ratings. STATE -Front type of suspension and capacity -Rear type of suspension and capacity.</p> <p>3. Shock Absorbers Heavy duty type required. STATE -Type and specifications.</p> <p>4. Tires Premium quality tires required front and rear. Front Tires: 11R 22.5 with load range G (14 ply) steering tires. Rear Tires: Same size and load range as above with traction tires. STATE -Tire size and specifications -Manufacturer -Wheel type.</p>	

PART C – REQUIREMENTS

CITY OF RICHMOND SPECIFICATIONS	STATE SPECIFICATIONS
<p><u>I. BODY</u></p> <p>1. The sweeper apparatus and all visible exterior metal services shall be coated prior to assembly with polyester powder coat. Paint to must be a minimum of 2mils thick. STATE - Finishing details</p> <p>2. Type Self-contained evacuated hopper combination vacuum/broom type sweeper having air system capability of 20,000 CFM/65" negative water pressure, complete with water system. Unit must be equipped for and be capable of both right hand and left hand sweeping operation. STATE - Make and model offered.</p> <p>3. Hopper Not to be less than 8.0 cubic yards of USEABLE capacity. The hopper must be constructed with minimum 10-gauge steel sides and ¼ inch floor. The Hopper must be lined to protect it against corrosion, wear and to allow easy sliding of debris when dumping. The liner system must provide protection such that the hopper will be warranted for the life of the sweeper. The dumping controls shall be located on the right forward side of body arrangement and a weight actuated full load indicator must be mounted in the cab. The hopper floor angle should be a minimum of 10 degrees and the hopper tilt angle when dumping should be a minimum of 50 degrees. The rear door hopper should include an automatic lock mechanism for a tight fit and seal. Rear hopper door should be hinged at the top and operated by means of a hydraulic cylinder. A 6 inch drain to allow drainage of excess water shall be mounted in the rear door complete with screen to prevent clogging. For safety, the rear door hopper should have an external door prop and door should be able to be opened a minimum of 90 degrees. Hopper must have 11 gauge steel screens to allow air to move freely from hopper to blower area. STATE -Type of prop and automatic locking mechanism for rear door. -Location of rear hopper door hinges. -Operation of rear door. -Quantity and gauge of steel screens.</p>	

PART C – REQUIREMENTS

CITY OF RICHMOND SPECIFICATIONS	STATE SPECIFICATIONS
<p><u>I. BODY- Hopper (cont)</u> STATE</p> <ul style="list-style-type: none"> -Hopper volume -Stainless option -Useable hopper capacity -Type of load level indicator used -The grade and gauge of steel utilized in floor -The grade and gauge of steel utilized in sides(Walls): -Thickness of material used above. -Hopper floor angle -Hopper tilt angle when dumping -State if replaceable deflectors plates or wear pads are used for intake airflow and type of construction. -Type of liner. -Location and size of hopper drain. 	
<p><u>J. AIR SYSTEM</u></p>	
<p>1. Blower The air blower system shall have sufficient capability for producing 20,000 CFM and developing at the nozzle 65" of negative water pressure. The blower fan shall be driven by the auxiliary diesel engine via a heavy duty (5)"V" groove power belt. The blower housing should be constructed of 10 gauge abrasion resistant steel and be lined for maximum extended wear in abrasive environments. There shall be an inspection door provided in the blower housing. Hopper shall include rear door fan exhaust to minimize system noise levels.</p> <p>STATE</p> <ul style="list-style-type: none"> -Type of fan drive system employed -State how air is exhausted -How adjustments are made -Air capacity in CFM at <u>operating</u> RPM -Vacuum rating in inches of water at nozzle or theoretical valve -Impeller operating RPM -Construction of blower housing -Type of liner -Location of blower inspection door 	

PART C – REQUIREMENTS

CITY OF RICHMOND SPECIFICATIONS	STATE SPECIFICATIONS
<p>2. Suction Nozzle(s) Both pick up nozzle(s) shall be constructed of abrasion resistant materials and shall be designed to accommodate larger objects (cans, etc.) and typical light debris. Nozzles should not be less than 174 sq. inches and a minimum width of 30 inches. Suction nozzle should be equipped with a front mounted shutter that should be replaceable by a separate part. The nozzle(s) shall be supported by heavy duty rubber caster wheels. The suction hose(s) shall be no less than 11 inches in diameter to allow for larger objects. The nozzle(s) controls for all functions shall be from the cab only. Replaceable wear components used in nozzle(s) and suction tube BOTH left and right nozzle(s) are required. The operation of airflow for either left or right nozzle control shall be from within the cab.</p> <p>STATE</p> <ul style="list-style-type: none"> -Type and size of casters -Type of lift/lower system -Must have both left and right nozzles operation control from within cab to switch from either side operation - describe system -Width and area of pickup of nozzle at the ground -Diameter and length of suction tube -Is suction tube straight or angled? -List and describe all replaceable wear elements utilized in the nozzle and suction tube apparatus. -Type of nozzle tilt apparatus and how control of suction nozzle is achieved. - How gate valves close during transportation - Shutter should be replaceable as a separate part 	

PART C – REQUIREMENTS

CITY OF RICHMOND SPECIFICATIONS	STATE SPECIFICATIONS
<p><u>K. MAIN WIDESWEEP BROOM</u></p> <p>1. Wide sweep Broom The wide sweep broom must have floating action for road contour and have automatic balanced pavement pressure. The broom must include a shroud for dust control and be a minimal 54" in length and be constructed of hard wearing components (i.e., polypropylene). The broom shall have variable power control and down pressure for maximum digging power and wear control. Broom mounting must be designed to allow easy replacement. STATE -How operated in cab -Length, diameter size and material -How is broom changed?</p> <p>2. Suspension of Broom STATE -Method of broom suspension -How method of downward pressure is varied -Is control of downward pressure from within cab.</p> <p>3. Mainsweep Broom Control The main wide sweep broom must be hydraulically operated by controls in cab and have the ability to slew from either left side or right side. STATE -Method of control -Method of broom drive and operational RPM.</p>	

PART C – REQUIREMENTS

CITY OF RICHMOND SPECIFICATIONS	STATE SPECIFICATIONS
<p><u>L. GUTTER BROOMS</u></p> <p>1. Gutter Broom General The unit shall have two gutter brooms, one on each side fitted with re-usable segments comprised of metal fibre. Broom controls must be within cab. Right and left side brooms must tilt through in cab controls, each shall be a free floating trailing arm design with inward motion safety to prevent damage when sweeping. The trailing arm design shall be a parallelogram for constant bristle contact and wear pattern. Each side broom shall be 36-inch diameter minimum, with hydraulically driven rotation. The side broom assemblies shall be pneumatically raised, lowered and suspended. Adjustable down pressure shall be pneumatically controlled by the operator from the cab. The side brooms must be able to be tilted by the operator while sweeping. The side brooms shall have at least 12 in. ground clearance when in transport mode. The side broom assemblies shall have greaseable pivot pins. Broom rotation shall stop and all sweeping functions shall raise automatically, when transmission is placed into reverse or when the sweeper is put in transport mode.</p> <p>1. Gutter Broom General STATE -Type of fibre -Number of segments per broom -Length of broom fibres -Ground clearance -Size of brooms -Do brooms rise automatically when in reverse? -Are pivot points greaseable?</p>	

PART C – REQUIREMENTS

CITY OF RICHMOND SPECIFICATIONS	STATE SPECIFICATIONS
<p><u>L. GUTTER BROOMS (cont'd)</u></p> <p>2. Hydraulic Drive System The brooms shall be hydraulically operated within cab controls. Hydraulic system should have compensating feature to allow broom to follow road contour and the downward pressure should be made adjustable from within cab. The broom hydraulic motor drive shall provide not less than 4500 in/lbs of torque for superior digging power. STATE -Method of lift -How contact pressure obtained and control -Whether angular adjustment provided and controlled -Broom speed range and how varied -If reversible -Torque for hydraulic motor</p> <p>3. Impact Protection The brooms must have 6-way impact protection when curbs and other obstacles are encountered. STATE -Method of impact protection.</p> <p><u>M. SWEEPING PATH</u></p> <p>1. Width The unit shall have an approximately 100" sweeping path with the suction head, gutter broom and main broom in operation. STATE -Overall sweep path as described -Nozzle opening coverage -And combined nozzle and gutter broom sweep coverage.</p> <p>2. Travel Speed STATE -Maximum sweeping speed in km/h -Recommend speed for efficient and effective sweeping in km/h -Maximum travel speed in km/h</p>	

PART C – REQUIREMENTS

CITY OF RICHMOND SPECIFICATIONS	STATE SPECIFICATIONS
<p><u>N. WATER SPRAY SYSTEM</u></p> <p>1. Type The unit shall have a water spray system which will reduce dust while sweeping and provide wash down capability. The system shall be controlled and operated from the cab and will utilize corrosion resistant materials. STATE -Number of spray nozzles per gutter broom -Number of spray nozzles on main broom -Number of spray nozzles per suction nozzle -What system components are not corrosion resistant:</p> <p>2. Reservoir The reservoir shall consist of two water tanks and shall be removable for service and shall be frame mounted with not parts sharing any common wall with the hopper. Reservoir shall not rise during hopper dumping and have no less than a 355 imperial gallon capacity (1343.82 litres). Must be of corrosion resistant material and contain the approved anti-siphoning device or back check valve on the filler inlet. STATE -Reservoir capacity (capacity of each tank) -Location of reservoir - Number of reservoirs -Type of tank material -Monitoring location of tank(s) -Spray time at maximum water flow rate</p>	

PART C – REQUIREMENTS

CITY OF RICHMOND SPECIFICATIONS	STATE SPECIFICATIONS
<p>N. WATER SPRAY SYSTEM (Cont'd)</p> <p>3. Water Pump Water pump must be capable of 4 GPM and have protection against no water or low water. Water pump must be selectively controlled from the cab to adjust to sweeping conditions. STATE -Type of pump -Make and model -Flow capacity and operating pressure -Low/no water protection -Power service for pump. -Cab controls</p> <p>4. Reservoir Accessories Reservoir to have a 3" inside diameter or larger over-flow piped to ground complete with intake filter. A low water level warning device located in cab. STATE -Size of overflow pipe -Location of overflow -Type of low water warning devise</p> <p>5. Filler Hose Included shall be 2-1/2" diameter by 25" of filler hose complete with abrasion resistant covering. Hose shall have 2-1/2" head coupler to connect City of Richmond Fire Hydrant(s). STATE -Make and type of hose -Method of filler hose storage</p> <p>6. Wash Down Hose A 25' wash down hose with quick disconnect shall be provided STATE -Type</p> <p>7. Air Purge package Unit must be equipped with an air purge package to allow ease in winterization of unit. STATE -Details</p>	

PART C – REQUIREMENTS

CITY OF RICHMOND SPECIFICATIONS	STATE SPECIFICATIONS
<p><u>O. SWEEPER HYDRAULIC SYSTEM</u></p> <p>1. Pump and Valves A heavy duty pump capable of handling all hydraulic functions complete with valves and system relief. Flow capacity shall be a minimum of 7GPM. STATE -Type of pump -Make and model -Flow Capacity -PSI and rated flow in GPM -Method of system used for pump drive -Location of valves -Method of control (i.e. direct connection or solenoid).</p> <p>2. Fittings Hydraulic fittings shall be plane or "O" ring type. Pressure taps for system testing shall be provided for all functions and located conveniently. STATE -Type of fittings -Test ports and type</p> <p>3. Hydraulic Motors All functions shall be driven by heavy duty hydraulic motors suited to application. STATE -The quantity, model and function of each motor -Make and model.</p> <p>4. Controls All hydraulic functions shall be mounted on a central terminal for use from either right or left positions. Controls shall include all sweep, spray, water and lighting functions. PROVIDE -Diagram or pictorial controls and layout</p>	

PART C – REQUIREMENTS

CITY OF RICHMOND SPECIFICATIONS	STATE SPECIFICATIONS
<p><u>O. SWEEPER HYDRAULIC SYSTEM</u> (Cont'd)</p> <p>5. Hydraulic Reservoir The hydraulic reservoir capacity shall be no less than 22 Gallons and equipped with an external sight gauge. The reservoir must be located in the enclosed auxiliary engine compartment and should contain a spin on hydraulic filter. STATE -Reservoir capacity -System capacity -Sight gauge location -Location of reservoir</p> <p><u>P. AUXILIARY ENGINE</u></p> <p>1. Diesel Engine Auxiliary engine shall be a diesel fuel type preferably a 4 cylinder water cooled engine with a minimum of 270 CID. Engine horse power and torque values must be well over combined load requirements from fan, hydraulic and water system. Engine must meet Tier three emission requirements or better. The engine should be enclosed by the sweeper body. STATE - Tier emission options - Engine make and model</p> <p>2. Horsepower and Torque Engine must have approximately 115 HP rating and approximately 290 ft. lb of torque. STATE -HP and RPM -Torque and RPM</p> <p>3. Electrical The entire electrical system should be vapour sealed to eliminate moisture damage. Sweeper electrical system shall be independent from the electrical system of the chassis. Sweeper engine shall have one 925 CCA 12-volt battery. STATE -Type of moisture barrier utilized. -"Bulb" must be shock mounted. -Wiring to be colour coded and identified every 4 inches and run in sealed terminal boxes. -Work lights at auxiliary engine compartment provided. -Work lights at sweeping area and lights at rear functioning through separate switch. -Battery CCA</p>	

PART C – REQUIREMENTS

CITY OF RICHMOND SPECIFICATIONS	STATE SPECIFICATIONS
<p><u>P. AUXILIARY ENGINE (cont'd)</u></p> <p>4. Instrumentation Unit should have full instrumentation including coolant temperature, oil pressure, hour meter, tachometer and volt meter. Unit must include a high engine coolant temperature and low oil pressure shut down system. STATE -Type of engine low oil/high coolant shutdown -Types of gauges.</p> <p>5. Fuel System Must have a self primed heated fuel/water separator with water sensor. STATE -Type</p> <p>6. Fluid Coupler Fluid coupler shall be installed between the engine and the power belt drive. STATE -Location of coupler</p>	
<p><u>Q. MISCELLANEOUS</u></p> <p>1. Warranty Provide full details concerning the applicable warranty to the vehicle sweeper and related components if separate coverage provided minimum warranty period to the entire vehicle shall be 1 year. Advise if any extended warranty options, terms and conditions, if available. STATE -Warranty period and applicable exclusions if any.</p> <p>2. Training Provide training in the operation and maintenance of the unit by factory trained personnel. Advise of training aids such as videos, charts and materials suitable provided or made available at the time of machine delivery. STATE -Training -Training aids.</p>	

PART C – REQUIREMENTS

CITY OF RICHMOND SPECIFICATIONS	STATE SPECIFICATIONS
<p>Q. MISCELLANEOUS (cont'd)</p> <p>3. Preventative Maintenance The following to be provided by the successful bidder at the time of vehicle delivery. -A complete check of style preventative maintenance schedule check list recommended by the manufacturer to ensure full satisfactory service life. -Listing of special tool requirements -Recommended diagnostic tooling. -Full set of Service and parts manuals, including schematics for hydraulic system, electrical system (truck and vacuum body portion) and water system. -Full list of operational maintenance parts likely required. Provide manufacturer's name and part numbers.</p> <p>4. Parts The City of Richmond requires parts delivery by air/within 24 hours within Canada and 48 hours outside of Canada. All costs associated to "air" delivery are the responsibility of the supplier. STATE - Parts delivery service by air - Associated costs</p> <p>5. Operation Noise Because these vehicles and related activities frequently require attendance in "suburban" area noise due to use must mitigated through equipment component selection and sound suppression activities. Ratings requested below should be at standard sweeper speeds. STATE -In-cab noise should not exceed 70dbh -Operation noise 25 ft circumferences should not exceed 75 dbh. Measurement method should be as per S.A.E. Standard J336 and J88 respectively.</p> <p>6. Storage Sealed and lockable storage compartment. STATE</p> <p>7. Delivery The number of days from the date of the order to the date of delivery F.O.B. the City of Richmond Works Yard. STATE - Delivery</p>	

PART C – REQUIREMENTS

CITY OF RICHMOND SPECIFICATIONS	STATE SPECIFICATIONS
<p>R. OPTIONS</p> <p>1. Automatic Lubrication System A fully installed automatic lubrication system for both the truck chassis and the sweeper operations. STATE -Type -Prices</p>	
<p>2. Parts and Services Guarantees Can you provide <u>parts and services guarantees</u> complete with minimum standards quantifying the delivery of parts and services? STATE - Describe your performance guarantees. - Costs.</p> <p>3. GPS STATE:</p> <p>4. Instrumentation – Additional recommendations for sweeper apparatus gauges STATE:</p> <p>5. Additional Recommended Options STATE: - What is offered</p>	

PART D – QUOTATION FORM

PART D – QUOTATION FORM

Quotation Form

Purchasing Section
City of Richmond
6911 No. 3 Road
Richmond, BC V6Y 2C1

The undersigned Bidder, having carefully read and examined the Instructions to Bidders, General Conditions, Requirements, Quotation Form, and Undertaking of Liability Insurance and having full knowledge of the work required, does hereby offer to provide all necessary materials in strict accordance with the Requirements and to do all therein called for on the terms and conditions and under the provisions therein set forth at the following quoted amounts:

One (1) Vacuum Street Sweeper \$ _____
G.S.T. \$ _____
P.S.T. \$ _____

PAYMENT TERMS _____ **EARLY PAYMENT TERMS** _____

The above prices include and cover all duties, handling and transportation charges, and all other charges incidental to and forming part of this Quotation except for G.S.T. and P.S.T.

The undersigned Bidder agrees to complete the whole of the works within _____ working days of acceptance.

Payment Terms _____ Early Payment Discount _____

Signature of Bidder's Authorized Representative

Printed Name and Title of Bidder's Authorized Representative

PART D – QUOTATION FORM

Schedule of Options and Prices

(Please state additional options and costs not included in base price)

DESCRIPTION	COST
1. Automatic Lubrication System	\$
2. Parts and Services Guarantees	\$
3. GPS	\$
4. Recommended Options	\$
5. Additional recommendations for sweeper apparatus gauges	\$
	\$
	\$
	\$
	\$
	\$
	\$
	\$
	\$
	\$
	\$
	\$
	\$
TOTAL	\$

(If additional space is required, attach additional)

PART D – QUOTATION FORM

List of Previous Contracts

The Bidder has recently undertaken and completed the Contracts described following and authorizes the City of Richmond to inquire as to the nature of the Bidders performance on these contracts.

	DESCRIPTION OF CONTRACT	TOTAL PRICE OF CONTRACT	DATE COMMENCED	DATE COMPLETED
Company: Contact Name: Phone: E-mail:				
Company: Contact Name: Phone: E-mail:				
Company: Contact Name: Phone: E-mail:				
Company: Contact Name: Phone: E-mail:				

(If additional space is required, attach additional)