



**INVITATION TO BID**  
**CITY OF NAPLES**  
 PURCHASING DIVISION  
 CITY HALL, 735 8<sup>TH</sup> STREET SOUTH  
 NAPLES, FL 34102  
 PH: 239-213-7100    FX: 239-213-7105

NOTIFICATION DATE:  <b>12/22/11</b>	TITLE  <b>Street Sweeper</b>	NUMBER:  <b>016-12</b>	OPENING DATE & TIME:  <b>01/06/12 2:00 PM</b>
<b>PRE-BID DATE, TIME AND LOCATION:</b>			

NAME OF PARTNERSHIP, CORPORATION OR INDIVIDUAL:	
MAILING ADDRESS:	
CITY-STATE-ZIP:	
PH:	EMAIL:
FX:	WEB ADDRESS:

I certify that this bid is made without prior understanding, agreement, or connection with any corporation, firm, or person submitting a bid for the same materials, supplies, or equipment and is in all respects fair and without collusion or fraud. I agree to abide by all conditions of this bid and certify that I am authorized to sign this bid for the bidder. In submitting a bid to the City of Naples the bidder offers and agrees that if the bid is accepted, the bidder will convey, sell, assign or transfer to the City of Naples all rights, title, and interest in and to all causes of action it may now or hereafter acquire under the Anti-trust laws of the United States and the State of FL for price fixing relating to the particular commodities or services purchased or acquired by the City of Naples. At the City's discretion, such assignment shall be made and become effective at the time the City tenders final payment to the bidder.

AUTHORIZED SIGNATURE	DATE	PRINTED NAME/TITLE
<p style="color: red; margin: 0;">Please initial by all that apply</p> <p style="color: red; margin: 0; font-size: small;">I acknowledge receipt of the following addendum</p> <p style="color: red; margin: 0; font-size: small;"> <input type="checkbox"/> Addendum #1              <input type="checkbox"/> Addendum #2              <input type="checkbox"/> Addendum #3              <input type="checkbox"/> Addendum #4       </p>		

**PLEASE NOTE THE FOLLOWING:**

- > This page must be completed and returned with your bid.
- > **Bids must be submitted in a sealed envelope, marked with bid number & closing date.**
- > **Bids received after the above closing date and time will not be accepted.**
- > If you do not have an email address and you want a copy of the Bid Tab, please enclose a stamped, self-addressed envelope with your bid.

**CITY OF NAPLES STREET SWEEPER (BID #016-12)**

1. OVERVIEW

The City of Naples has funds available to purchase a new street sweeper and provide street sweeping services to its residents and businesses. The City Council is considering whether to purchase a new street sweeping machine that is either an air (or vacuum) sweeper or a mechanical sweeper. Historically, street sweeping services have been provided by City staff with the use of an air sweeper and staff will likely recommend maintaining the same level of service.

This bid requests pricing for two types of sweepers: vacuum or mechanical with an optional five year servicing agreement. The City may or may not elect to exercise the turn-key maintenance agreement. Interested parties may bid on one or both types of street sweepers. The Council will determine what type of sweeper to purchase at its sole discretion.

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## GENERAL CONDITIONS

TO INSURE ACCEPTANCE OF THE BID, PLEASE FOLLOW THESE INSTRUCTIONS. ANY AND ALL SPECIAL CONDITIONS, ATTACHED HERETO, HAVE PRECEDENCE.

1. **SEALED BID:** All bids must be submitted in a sealed envelope. The face of the envelope shall contain the bid name and bid number. Bids not submitted on attached bid form shall be rejected. All bids are subject to the conditions specified herein. Those which do not comply with these conditions are subject to rejection.
2. **EXECUTION OF BID:** Bid must contain a manual signature of authorized representative in the proposal section. Bid must be typed or printed in ink. Use of erasable ink is not permitted. All corrections made by bidder to his bid must be initialed.
3. **NO BID:** If not submitting a bid, respond by returning the Statement of No Bid and explain the reason in the spaces provided. Failure to respond 3 times in succession without justification shall be cause for removal of the supplier's name from the bid mailing list. NOTE: To qualify as a respondent, bidder must submit a "NO BID," and it must be received no later than the stated bid opening date and hour.
4. **BID OPENING:** Shall be public, on the date and at the time specified on the bid form. It is the bidder's responsibility to assure that his bid is delivered at the proper time and place of the bid opening. Bids which for any reason are not so delivered will not be considered. Offers by telegram; telephone; or fax are not acceptable. Bid files may be examined during normal working hours.
5. **WITHDRAWAL OF BIDS:** Withdrawal of a bid within sixty (60) days after the opening of bids is subject to suspension or debarment in accordance with Policy 7-3 for up to three years.
6. **PRICES, TERMS and PAYMENT:** Firm Prices shall be bid and include all packing, handling, shipping charges and delivery to the destination shown herein. Bidder is encouraged to offer cash discount for prompt invoice payment. Terms of less than 20 days will not be considered.
  - A. **TAXES:** The City of Naples does not pay Federal Excise and Sales taxes on direct purchases of tangible personal property. See exemption number on face of purchase order. This exemption does not apply to purchases of tangible personal property made by contractors who use the tangible personal property in the performance of contracts for the improvement of City-owned real property.
  - B. **MISTAKES:** Bidders are expected to examine the specifications, delivery schedule, bid prices, extensions, and all instructions pertaining to supplies and services. Failure to do so will be at bidder's risk. In case of mistake in extension, the unit price will govern.
  - C. **CONDITION AND PACKAGING:** It is understood and agreed that any item offered or shipped as a result of this bid shall be a new, current standard production model available at the time of this bid. All containers shall be suitable for storage or shipment, and all prices shall include standard commercial packaging.
  - D. **SAFETY STANDARDS:** Unless otherwise stipulated in the bid, all manufactured items and fabricated assemblies shall comply with applicable requirements of Occupational Safety and Health Act and any standards there under.
  - E. **UNDERWRITERS' LABORATORIES:** Unless otherwise stipulated in the bid, all manufactured items and fabricated assemblies shall carry U.L. approval and re-examination listing where such has been established.
  - F. **PAYMENT:** Payment will be made by the buyer after the items awarded to a vendor have been received, inspected, and found to comply with award specifications, free of damage or defect and

properly invoiced. All invoices shall bear the purchase order number. Payment for partial shipments shall not be made unless specified in the bid. Failure to follow these instructions may result in delay in processing invoices for payment. In addition, the purchase order number must appear on bills of lading, packages, cases, delivery lists and correspondence.

7. DELIVERY: Unless actual date of delivery is specified (or if specified delivery cannot be met), show number of days required to make delivery after receipt of purchase order in space provided. Delivery time may become a basis for making an award (see Special Conditions). Delivery shall be within the normal working hours of the user, Monday through Friday, unless otherwise specified.

8. MANUFACTURERS' NAMES AND APPROVED EQUIVALENTS: Any manufacturers' names, trade names, brand names, information and/or catalog numbers listed in a specification are for information and not intended to limit competition. The bidder may offer any brand for which he is an authorized representative, which meets or exceeds the specification for any item(s). If bids are based on equivalent products, indicate on the bid form the manufacturer's name and number. Bidder shall submit with his proposal, cuts, sketches, and descriptive literature, and/or complete specifications. Reference to literature submitted with a previous bid will not satisfy this provision. The bidder shall also explain in detail the reason(s) why the proposed equivalent will meet the specifications and not be considered an exception thereto. Bids which do not comply with these requirements are subject to rejection. Bids lacking any written indication of intent to quote an alternate brand will be received and considered in complete compliance with the specifications as listed on the bid form.

9. INTERPRETATIONS: Any questions concerning conditions and specifications shall be directed in writing to this office for receipt no later than ten (10) days prior to the bid opening. Inquiries must reference the date of bid opening and bid number. Failure to comply with this condition will result in bidder waiving his right to dispute the bid.

10. CONFLICT OF INTEREST: All bid awards are subject to Section 2-973 Conflict of Interest, City of Naples Code of Ordinances, which states: "No public officer or employee shall have or hold any employment or contractual relationship with any business entity or any agency which is subject to the regulation of or is doing business with the city; nor shall an officer or employee have or hold any employment or contractual relationship that will create a continuing or frequently recurring conflict between his private interests and the performance of his public duties or that would impede the full and faithful discharge of his public duties. Any member of the city council or any city officer or employee who willfully violates this section shall be guilty of malfeasance in office or position and shall forfeit his office or position. Violation of this section with the knowledge, express or implied, of the person or corporation contracting with or making a sale to the city shall render the contract or sale voidable by the city manager or the city council."

11. AWARDS: As the best interest of the City may require, the right is reserved to make award(s) by individual item, group of items, all or none, or a combination thereof; to reject any and all bids or waive any minor irregularity or technicality in bids received.

12. ADDITIONAL QUANTITIES: For a period not exceeding ninety (90) days from the date of acceptance of this offer by the buyer, the right is reserved to acquire additional quantities up to but not exceeding those shown on bid at the prices bid in this invitation. If additional quantities are not acceptable, the bid sheets must be noted "BID IS FOR SPECIFIED QUANTITY ONLY." (THIS PARAGRAPH DOES NOT APPLY FOR A TERM CONTRACT.)

13. SERVICE AND WARRANTY: Unless otherwise specified, the bidder shall define any warranty service and replacements that will be provided during and subsequent to this contract. Bidders must explain on an attached sheet to what extent warranty and service facilities are provided.
14. SAMPLES: Samples of items, when called for, must be furnished free of expense, on or before bid opening time and date, and if not destroyed may, upon request, be returned at the bidder's expense. Each individual sample must be labeled with bidder's name, manufacturer's brand name and number, bid number and item reference. Request for return of samples shall be accompanied by instructions which include shipping authorization and name of carrier and must be received with your bid. If instructions are not received within this time, the commodities shall be disposed of by the City of Naples.
15. BID PROTEST: The city has formal bid protest procedures that are available on request.
16. INSPECTION, ACCEPTANCE AND TITLE: Inspection and acceptance will be at destination unless otherwise provided. Title and risk of loss or damage to all items shall be the responsibility of the contract supplier until accepted by the ordering agency, unless loss or damage results from negligence by the ordering
17. DISPUTES: In case of any doubt or difference of opinion as to the items to be furnished hereunder, the decision of the buyer shall be final and binding on both parties.
18. GOVERNMENTAL RESTRICTIONS: In the event any governmental restrictions may be imposed which would necessitate alteration of the material, quality, workmanship or performance of the items offered on this proposal prior to their delivery, it shall be the responsibility of the successful bidder to notify the buyer at once, indicating in his letter the specific regulation which required an alteration. The City reserves the right to accept any such alteration, including any price adjustments occasioned thereby, or to cancel the contract at no expense to the City.
19. LEGAL REQUIREMENTS: Applicable provision of all Federal, State, county and local laws, and of all ordinances, rules, and regulations shall govern development submittal and evaluation of all bids received in response hereto and shall govern any and all claims and disputes which may arise between person(s) submitting a bid response hereto and the City of Naples by and through its officers, employees and authorized representatives, or any other person, natural or otherwise; and lack of knowledge by any bidder shall not constitute a cognizable defense against the legal effect thereof.
20. PATENTS AND ROYALTIES: The bidder, without exception, shall indemnify and save harmless the City of Naples and its employees from liability of any nature or kind, including cost and expenses for or on account of any copyrighted, patented, or unpatented invention, process, or article manufactured or used in the performance of the contract, including its use by the City of Naples. If the bidder uses any design, device, or materials covered by letters, patent or copyright, it is mutually agreed and understood without exception that the bid prices shall include all royalties or cost arising from the use of such design, device, or materials in any way involved in the work.
21. ADVERTISING: In submitting a bid, bidder agrees not to use the results there from as a part of any commercial advertising.
22. ASSIGNMENT: Any Purchase Order issued pursuant to this bid invitation and the monies which may become due hereunder are not assignable except with the prior written approval of the buyer.
23. LIABILITY: The supplier shall hold and save the City of Naples, its officers, agents, and employees harmless from liability of any kind in the performance of this contract.

24. PUBLIC ENTITY CRIMES: A person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a bid on a contract to provide any goods or services to a public entity, may not submit a bid on a contract with a public entity for the construction or repair of a public building or public work, may not submit bids on leases of real property to a public entity, may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity, and may not transact business with any public entity in excess of the threshold amount provided in Section 287.017, for CATEGORY TWO for a period of 36 months from the date of being placed on the convicted vendor list.

25. DISCRIMINATION: An entity or affiliate who has been placed on the discriminatory vendor list may not submit a bid on a contract to provide goods or services to a public entity, may not submit a bid on a contract with a public entity for the construction or repair of a public building or public work, may not submit bids on leases of real property to a public entity, may not award or perform work as a contractor, supplier, subcontractor, or consultant under contract with any public entity, and may not transact business with any public entity.

26. COUNTY TAXES: No proposal shall be accepted from and no contract will be awarded to any person, firm or corporation that is in arrears to the government of Collier County, Florida.

27. OFFER EXTENDED TO OTHER GOVERNMENTAL ENTITIES: The City of Naples encourages and agrees to the successful bidder/proposer extending the pricing, terms and conditions of this solicitation or resultant contract to other governmental entities at the discretion of the successful bidder/proposer.

**IF THIS BID IS FOR A TERM CONTRACT, THE FOLLOWING CONDITIONS SHALL ALSO APPLY**

28. ELIGIBLE USERS: All departments of the City of Naples are eligible to use this term contract. Such purchases shall be exempt from the competitive bid requirements otherwise applying to their purchases.

29. PRICE ADJUSTMENTS: Any price decrease effectuated during the contract period by reason of market change shall be passed on to City of Naples. Price increases are not acceptable.

30. CANCELLATION: All contract obligations shall prevail for at least one hundred eighty (180) days after effective date of contract. After that period, for the protection of both parties, this contract may be cancelled in whole or in part by either party by giving thirty (30) days prior written notice to the other party.

31. RENEWAL: The City of Naples reserves the option to renew the period of this contract, or any portion thereof for up to two (2) additional periods. Renewal of the contract period shall be by mutual agreement in writing.

32. ABNORMAL QUANTITIES: While it is not anticipated, should any unusual or abnormal requirements arise, the City reserves the right to solicit separate bids thereon.

33. FISCAL NON-FUNDING CLAUSE: In the event sufficient funds are not budgeted for a new fiscal period, the City shall notify the contractor of such occurrence and the contract shall terminate on the last day of the current fiscal year without penalty or expense to the City.

**IF THIS BID IS FOR PERFORMING A SERVICE, THE FOLLOWING CONDITIONS SHALL ALSO APPLY**

34. **ALTERNATIVE BIDS:** Bidders offering service delivery methods other than those permitted by the scope of work may submit a separate envelope clearly marked "ALTERNATIVE BID". Alternative bids will be deemed non-responsive and will not be considered for award. All such responses will, however, be examined prior to award. Such examination may result in cancellation of all bids received to permit rewriting the scope of work to include the alternative method, or the alternative method may be considered for future requirements of the City of Naples.

35. **ANTITRUST:** By entering into a contract, the contractor conveys, sells, assigns and transfers to the City of Naples all rights, titles and interest it may now have or hereafter acquire under the antitrust laws of the United States and the State of Florida that relate to the particular goods or services purchased or acquired by the City of Naples under said contract.

36. **BIDDER INVESTIGATIONS:** Before submitting a bid, each bidder shall make all investigations and examinations necessary to ascertain all site conditions and requirements affecting the full performance of the contract and to verify any representations made by the City of Naples upon which the bidder will rely. If the bidder receives an award as a result of its bid submission, failure to have made such investigations and examinations will in no way relieve the bidder from its obligation to comply in every detail with all provisions and requirements of the contract documents, nor will a plea of ignorance of such conditions and requirements be accepted as a basis for any claim whatsoever by the contractor for additional compensation.

37. **CERTIFICATES AND LICENSES:** The Contractor, at time of proposal, shall possess the correct occupational licenses, all professional licenses or other authorizations necessary to carry out and perform the work required by the City of Naples and Collier County for this project pursuant to all applicable Federal, State and Local Laws, Statutes, Ordinances, and rules and regulations of any kind.

38. **CHANGE IN SCOPE OF WORK:** The City of Naples may order changes in the work consisting of additions, deletions or other revisions within the general scope of the contract. No claims may be made by the contractor that the scope of the project or of the contractor's services has been changed, requiring changes to the amount of compensation to the contractor or other adjustments to the contract unless such changes or adjustments have been made by written amendment to the contract signed by the City of Naples and the contractor. If the contractor believes that any particular work is not within the scope of the project, is a material change, or will otherwise require more compensation to the contractor, the contractor must immediately notify the City in writing of this belief. If the City believes that the particular work is within the scope of the contract as written, the contractor will be ordered to and shall continue with the work as changed and at the cost stated for the work within the scope.

39. **CONTRACTOR PERSONNEL:** The City of Naples shall, throughout the life of the contract, have the right of reasonable rejection and approval of staff or subcontractors assigned to the work by the contractor. If the City reasonably rejects staff or subcontractors, the contractor must provide replacement staff or subcontractors satisfactory to the City in a timely manner and at no additional cost to the City. The day-to-day supervision and control of the contractor's employees and sub-contractors is the responsibility solely of the contractor.

40. **COST REIMBURSEMENT:** The contractor agrees that all incidental costs, including allowances for profit and tools of the trade, must be included in the bid proposal rates. If an arrangement is made between the contractor and the City to reimburse the contractor for the cost of materials provided in the performance of the work, the contractor shall be reimbursed in the following manner: The City shall

reimburse the contractor on completion and acceptance of each assigned job, only for those materials actually used in the performance of the work that is supported by invoices issued by the suppliers of the contractor describing the quantity and cost of the materials purchased. No surcharge shall be added to the supplier's invoices or included in the contractor's invoice submitted to the City that would increase the dollar amount indicated on the supplier's invoice for the materials purchased for the assigned job.

41. EXCEPTIONS: Bidders taking exception to any part or section of the solicitation shall indicate such exceptions on the bid form. Failure to indicate any exception will be interpreted as the bidder's intent to comply fully with the requirements as written. Conditional or qualified bids, unless specifically allowed, shall be subject to rejection in whole or in part.

42. FAILURE TO DELIVER: In the event of the contractor to fail to deliver services in accordance with the contract terms and conditions, the City, after due oral or written notice, may procure the services from other sources and hold the contractor responsible for any resulting purchase and administrative costs. This remedy shall be in addition to any other remedies that the City may have.

43. FAILURE TO ENFORCE: Failure by the City at any time to enforce the provisions of the contract shall not be construed as a waiver of any such provisions. Such failure to enforce shall not affect the validity of the contract or any part thereof or the right of the City to enforce any provision at any time in accordance with its terms.

44. FORCE MAJEURE: The contractor shall not be held responsible for failure to perform the duties and responsibilities imposed by the contract due to legal strikes, fires, riots, rebellions and acts of God beyond the control of the contractor, unless otherwise specified in the contract.

45. INDEPENDENT CONTRACTOR: The contractor shall be legally considered an independent contractor and neither the contractor nor its employees shall, under any circumstances, be considered servants or agents of the City of Naples and the City of Naples shall be at no time legally responsible for any negligence or any wrongdoing by the contractor, its servants or agents. The City of Naples shall not withhold from the contract payments to the contractor any federal income taxes, Social Security tax, or any other amounts for benefits to the contractor. Further, the City shall not provide to the contractor any insurance coverage or other benefits, including Workers' Compensation normally provided by the City for its employees.

46. ORAL STATEMENTS: No oral statement of any person shall modify or otherwise affect the terms, conditions or specifications stated in this contract. All modifications to the contract must be made in writing by the City of Naples.

47. QUALIFICATIONS OF BIDDERS: The bidder may be required, before the award of any contract, to show to the complete satisfaction of the City of Naples that it has the necessary facilities, ability, and financial resources to provide the service specified therein in a satisfactory manner. The bidder may also be required to give a past history and references in order to satisfy the City in regard to the bidder's qualifications. The City may make reasonable investigations deemed necessary and proper to determine the ability of the bidder to perform the work, and the bidder shall furnish to the City all information for this purpose that may be requested. The City reserves the right to reject any bid if the evidence submitted by, or investigation of, the bidder fails to satisfy the City that the bidder is properly qualified to carry out the obligations of the contract and to complete the work described therein. Evaluation of the bidder's qualifications shall include:

- > The ability, capacity, skill and financial resources to perform the work or service.
- > The ability to perform the work service promptly or within the time specified, without delay.



- > The character, integrity, reputation, judgment, experience, and efficiency of the bidder.
- > The quality of performance of previous contracts or services.

48. **QUALITY CONTROL:** The contractor shall institute and maintain throughout the contract period a properly documented quality control program designed to ensure that the services are provided at all times and in all respects in accordance with the contract. The program shall include providing daily supervision and conducting frequent inspections of the contractor's staff and ensuring that accurate records are maintained describing the disposition of all complaints. The records so created shall be open to inspection by the City.

49. **RECOVERY OF MONEY:** Whenever, under the contract, any sum of money shall be recoverable from or payable by the contractor to the City, the same amount may be deducted from any sum due to the contractor under the contract or under any other contract between the contractor and the City. The rights of the City are in addition and without prejudice to any other right the City may have to claim the amount of any loss or damage suffered by the City on account of the acts or omissions of the contractor.

50. **REQUIREMENTS CONTRACT:** During the period of the contract, the contractor shall provide all the services described in the contract. The contractor understands and agrees that this is a requirements contract and that the City shall have no obligation to the contractor if no services are required. Any quantities that are included in the scope of work reflect the current expectations of the City for the period of the contract. The amount is only an estimate and the contractor understands and agrees that the City is under no obligation to the contractor to buy any amount of services as a result of having provided this estimate or of having any typical or measurable requirement in the past. The contractor further understands and agrees that the City may require services in excess of the estimated annual contract amount and that the quantity actually used whether in excess of, or less than, the estimated annual contract amount and that the quantity actually used shall not give rise to any claim for compensation other than the total of the unit prices in the contract for the quantity actually used.

51. **TERMINATION FOR CONVENIENCE:** The performance of work under the contract may be terminated by the City in whole or in part whenever the City determines that termination is in the City's best interest. Any such termination shall be effected by the delivery to the contractor of a written notice of termination of at least seven (7) days before the date of termination, specifying the extent to which performance of the work under the contract is terminated and the date upon which such termination becomes effective. After receipt of a notice of termination, except as otherwise directed, the contractor shall stop work on the date of the receipt of the notice or other date specified in the notice; place no further orders or subcontracts for materials, services or facilities except as necessary for completion of such portion of the work not terminated; terminate all vendors and subcontracts; and settle all outstanding liabilities and claims.

52. **TERMINATION FOR DEFAULT:** The City of Naples reserves the right to terminate the contract if the City determines that the contractor has failed to perform satisfactorily the work required, as determined by the City. In the event the City decides to terminate the contract for failure to perform satisfactorily, the City shall give to the contractor at least seven (7) days written notice before the termination takes effect. The seven-day period will begin upon the mailing of notice by the City. If the contractor fails to cure the default within the seven (7) days specified in the notice and the contract is terminated for failure to perform satisfactorily, the contractor shall be entitled to receive compensation for all reasonable, allocable and allowable contract services satisfactorily performed by the contractor up to the date of termination that were accepted by the City prior to the termination. In the event the City terminates the contract because of the default of the contractor, the contractor shall be liable for all excess costs that the City is required to expend to complete the work under contract.

53. STATE AND FEDERAL EMPLOYMENT LAWS: Contractors providing service to the City are required to comply with all state and federal employment laws. This includes, but is not limited to, laws resulting from the Immigration and Reform and Control Act of 1986, wherein all employers are required to verify the identity and employment eligibility of all employees. The Department of Homeland Security, U.S. Citizenship and Immigration Services require employees and employers to complete Form I-9 and the employer must examine evidence of identity and employment eligibility within three business days of the date employment begins. Non compliant contractors will be subject to contract sanctions, up to and including contract termination.

54. CERTIFICATION REGARDING DEBARMENT, SUSPENSION, INELIGIBILITY, AND VOLUNTARY EXCLUSION: The contractor agrees to comply with Executive Order 12549 “Debarment and Suspension” and 2 CFR 180 “OMB Guidelines to Agencies on Government wide Debarment and Suspension.” These rules require all contractors using federal funds not be debarred or suspended from doing business with the Federal Government. This includes sub-recipients and lower tier participant for covered transactions. Signing and submitting this document certified the organization and its principals are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any federal department or agency, and further have not within the preceding three-year period been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction.

**THE CITY OF NAPLES IS AN EQUAL OPPORTUNITY EMPLOYER**

## GENERAL INSURANCE REQUIREMENTS

The Contractor shall not commence work until he has obtained all the insurance required under this heading, and until such insurance has been approved by the Owner, nor shall the Contractor allow any subcontractor to commence work until all similar insurance required of the subcontractor has also been obtained and approved by the Owner.

Certificates of insurance must be issued by an authorized representative of the insurance company at the request and direction of the policyholder and must include sufficient information so as to identify the coverage and the contract for Owner's improvements for which they are issued. Certificates of insurance must be issued by a nationally recognized insurance company with a Best's Rating of no less than B+VII, satisfactory to the Owner, and duly licensed to do business in the state of said Contract.

The Contractor shall procure and maintain, during the life of this Contract, Worker's Compensation Insurance for all of his employees to be engaged in work under this Contract, and he shall require any subcontractor similarly to provide Worker's Compensation Insurance for all of the latter's employees to be engaged in such work, unless such employees are covered by the protection afforded by the Contractor's insurance. In case any employees are to be engaged in hazardous work under this Contract, and are not protected under this Worker's Compensation statute, the Contractor shall provide, and shall cause each subcontractor to provide, adequate coverage for the protection of such employees. It is acceptable to use a State-approved Worker's Compensation Self-Insurance fund.

The Contractor shall take out and maintain during the life of this Contract, Public Liability and Property Damage and shall include Contractual Liability, Personal Injury, Libel, Slander, False Arrest, Malicious Prosecution, Wrongful Entry or Eviction, Broad Form Property Damage, Products, Completed Operations and XCU Coverage to be included on an occurrence basis, and to the full extent of the Contract to protect him, the Owner, and any subcontractor performing work covered by this Contract from damages for personal injury, including accidental death, as well as from claims for property damage, which may arise from operations under this contract, whether such operations be by himself or by a subcontractor, or by anyone directly or indirectly employed by either of them. The Contractor shall also maintain automobile liability insurance including "non-owned and hired" coverage. The entire cost of this insurance shall be borne by the Contractor.

The amount of such insurance shall be no less than \$1,000,000 annual aggregate for bodily injury and property damage combined per occurrence.

The City of Naples must be named as Additional Insured on the insurance certificate and the following must also be stated on the certificate. "These coverage's are primary to all other coverage's the City possesses for this contract only." The City of Naples shall be named as the Certificate Holder. The Certificate Holder shall read as follows:

The City of Naples  
735 Eighth Street South  
Naples, Florida 34102

No City Division, Department, or individual name should appear on the Certificate.  
No other format will be acceptable.

The Certificate must state the bid number and title.

When using the "Accord"- 25 Certificate of Insurance only the most current version will be accepted.

The City of Naples requires a copy of a cancellation notice in the event the policy is cancelled. The City of Naples shall be expressly endorsed onto the policy as a cancellation notice recipient.

**REFERENCES**

**THIS SHEET MUST BE COMPLETED AND RETURNED WITH PROPOSAL**

**PROVIDE AT LEAST THREE REFERENCES FOR WHOM YOUR COMPANY HAS PROVIDED SAME OR SIMILAR SERVICES WITHIN THE LAST 2 YEARS.**

COMPANY NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

\_\_\_\_\_

TELEPHONE: \_\_\_\_\_

CONTACT PERSON: \_\_\_\_\_

COMPANY NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

\_\_\_\_\_

TELEPHONE: \_\_\_\_\_

CONTACT PERSON: \_\_\_\_\_

COMPANY NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

\_\_\_\_\_

TELEPHONE: \_\_\_\_\_

CONTACT PERSON: \_\_\_\_\_

## **SPECIAL CONDITIONS**

**A. TERMS OF CONTRACT**

The resulting contract may commence in a one time purchase of a street sweeping machine with warranty. The pricing shall be good for three (3) months following the bid opening date.

**B. PROHIBITION OF CONTACT**

Under no circumstances should any prospective organization or individual, or anyone acting for or on behalf of a prospective organization or individual, seek to influence or gain the support of any member of the City Council, public official or City staff favorable to the interest of any prospective organization or individual. Likewise, contact with City Council, any public official or city staff against the interests of other prospective organization (s) and or individual(s) is prohibited. Any such activities will result in the exclusion of the prospective organization or individual from consideration by the City.

**C. BID PERFORMANCE & PAYMENT BONDS**

A Bid Security Bond shall be submitted with the final bid, if the total bid is greater than \$125,000.00, in an amount equal to at least five percent (5%) of the total amount of the final bid, or the equivalent in the form of a certified check or money order made payable to the City of Naples, Florida. Upon the award of the bid to the successful bidder, both bid performance bond and the payment bond will be required in the amount of one hundred percent (100%) of the price specified in the contract. Also proof of insurance from the successful bidder is required at the time of award as well.

**D. QUESTIONS**

Questions regarding this bidder packet must be received in writing in the Purchasing Division, NO LATER THAN TEN CALENDAR DAYS PRIOR TO THE BID CLOSING DATE TO ENSURE AN ANSWER IS PROVIDED PRIOR TO CLOSING.

Direct all questions to:

[John Dunnuck](#)

City of Naples, Purchasing Division

735 8<sup>th</sup> Street South

Naples, Florida 34102

PH: (239) 213-7100 FX: (239) 213-7105

[jdunnuck@naplesgov.com](mailto:jdunnuck@naplesgov.com)

## MAINTENANCE REQUIREMENTS

### DEFINITIONS:

- The term "normal work day" shall mean a day which falls on or between Monday and Friday of the calendar week, 52 weeks a year, excluding city holidays. A list of all city holidays shall be supplied to the vendor upon award of this contract.
- The term "normal working hours" shall mean the time period of a normal workday when City of Naples main equipment shop and/or maintenance facility is normally open for operation.
- The term "in-service date" shall mean the date City of Naples places the unit in operation. The City of Naples will notify the vendor of the in-service date.
- The term "downtime" shall mean the period of time measured in normal work days that the unit is unable or unsafe to perform those operations for which the unit was designed.

### MAINTENANCE TERMS

1. The lease period shall be for five (5) year term.
2. The training will require a minimum of one (1) day for operating and one (1) day for daily maintenance.
3. City of Naples is responsible for providing fuel, tires, insurance, brooms, water nozzles, dirt shoe rubbers and operator for the sweeper. Original equipment items listed in this paragraph to be utilized and will be supplied at fleet pricing.
4. City of Naples is responsible for the daily maintenance of the sweeper in accordance with instructions from the manufacturer.
5. The vendor shall be responsible for the cost and labor of the following:
  - a) Chassis and related components except tires
  - b) Sweeper and related components
  - c) All weekly, monthly, semi-annual and annual maintenance requirements
6. The vendor shall be fully responsible for transporting sweeper to its repair facility at no cost if said repairs or maintenance cannot be completed at City of Naples site.
7. This proposal is based on maximum average annual usage of the sweeper equipment of 2,000 engine hours per year. An hourly charge of \$12, will be invoiced for hours exceeding 2000 annual engine hours per year.

8. The vendor shall guarantee that the equipment purchased under this contract will be available for operation at least 95% of normal workdays. The vendor shall guarantee that the equipment purchased under this contract will not be out of service for more than three (3) consecutive, normal work days, nor more than five (5) normal workdays, in any 100 consecutive, normal work day period for the sweeping components and Freightliner equipment purchased under this contract will not be out of service for more than five (5) consecutive, normal work days, nor more than seven (7) normal workdays, in any 100 consecutive, normal work day period for the chassis components.
9. Equipment availability shall apply to equipment put out of service due to faulty parts, components, or equipment design, which render the unit unable or unsafe to perform those operations for which the unit is designed. City of Naples supervising personnel, after inspection will determine in conjunction with a vendor, if the unit was inoperable or unsafe. Equipment availability shall not apply to equipment during routine maintenance or equipment put out of service due to theft, vandalism, accident, City of Naples personnel negligence or act of God.
10. The unit will be considered out of service starting the first normal work day, following the vendor's notification by City of Naples that the unit is inoperable or unsafe and requires repair. Therefore, the downtime clock will start at the beginning of the first normal work day, following such notification. City of Naples Fleet Manager will notify the vendor during normal working hours of a unit that is out of service and requires repair. The unit will be considered in service (operational) starting the first normal work day following the completion of the repair and/or return of the repaired unit. Therefore, the downtime clock will stop at the beginning of the first normal day following the repair completion or return of the repaired unit.
11. Equipment availability or in-service percentage (uptime) will be computed by the City at the end of each 100 consecutive, normal work day period, beginning from the in-service date, using downtime increments of normal work days. The City will use the following formula to compute equipment availability at the end of each 100 consecutive, normal work day period:  $Equipment\ Availability = [(100\ Days - Downtime)/100\ Days] \times 100\%$ 

NOTE: The term "Days" refers to normal work days. The term "Downtime" refers to the total downtime accumulated during the 100 consecutive, normal work day period.
12. The vendor will credit City of Naples a daily amount of equal to 1/365<sup>th</sup> of the annual charge for each normal workday required to provide 95% availability in the event a replacement unit is not available.

13. The vendor will provide a relief unit should repair downtime be more than three (3) consecutive normal workdays. All costs associated with securing and delivering the relief unit shall be at vendor's expense, with no cost to City of Naples. The relief unit must be functionally equivalent to its replacement.
14. This guarantee shall be in effect for a period of (5 years). Time will be measured in calendar years from the in-service date and engine hours will be recorded on the electric, solid state hour meter provided with the unit.
15. City of Naples is responsible for payment of Title and License Plate Fees.
16. Rates: Annual in advance



**TECHNICAL SPECIFICATIONS  
FOR  
SIX WHEEL PURE VACUUM STREET SWEEPER WITH BROOM ASSIST**

**COMPLY**  
**Yes   No**

---

**1.0 INTENT**

It is the intent of this specification to provide for the purchase of one (1) new and unused vacuum street sweeper having a six wheeled, cab-over truck chassis with automatic transmission, dual diesel engines, sweeper controls and switches, 8.0 cubic yard hopper, 335 gallon total water capacity and left and right side brooms with variable down pressure controlled from the cab. **REGENERATIVE SWEEPERS WILL NOT BE ACCEPTED** as the City has deemed the unsuitable for the City's application.

The City's Streets & Stormwater Department has evaluated different types of street sweepers and has determined that this product is best suited for the City's needs in safety, quality, performance, and standardization. This specification is not to be interpreted as restrictive, but rather as a measure of the safety, quality and performance against which all sweepers bid will be compared.

The successful bidder will be one whose product is judged shall best serve the interests of the City when price, product, safety, quality and delivery are considered. The City of Naples reserves the right to reject any or all bids or any part thereof, and to waive any minor technicalities. A contract will be awarded to the bidder submitting the lowest responsible bid meeting the requirements of this specification.

**COMPLY**  
**Yes   No**

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**2.0 EQUIVALENT PRODUCT**

Bids will be accepted for consideration on any make or model that is equal or superior to the sweeper specified. Decisions of equivalency will be at the sole interpretation of the City's Department of Public Works. A blanket statement that equipment proposed will meet all requirements will not be sufficient to establish equivalence. Original manufacturer's brochures of the proposed unit are to be submitted with the proposal.

All modifications made to the standard production unit described in the manufacturer's brochures must be certified by the manufacturer and submitted with the bid, or the bid will be deemed "non-responsive" and rejected without further review. Bidder must be prepared to demonstrate a unit similar to the one proposed, if requested.

**COMPLY**  
**Yes No**

**3.0 INTERPRETATIONS**

In order to be fair to all bidders, no oral interpretations will be given to any bidder as to the meaning of the specification documents or any part thereof. Every request for such a consideration shall be made in writing to the City's Purchasing Division. Based upon such inquiry, the City may choose to issue an Addendum.

**COMPLY**  
**Yes No**

**4.0 GENERAL**

The specification herein states the minimum requirements of the City. All bids must be regular in every respect. Unauthorized conditions, limitations, or provisions shall be cause for rejection. The City will consider as "irregular" or "non-responsive" any bid not prepared and submitted in accordance with the bid document and specification, or any bid lacking sufficient technical literature to enable the City to make a reasonable determination of compliance to the specification.

It shall be the bidder's responsibility to carefully examine each item of the specification. Failure to offer a completed bid or failure to respond to each section of the technical specification (COMPLY: YES NO) will cause the proposal to be rejected without review as "non-responsive". All variances, exceptions and/or deviations shall be fully described in the appropriate section. Deceit in responding to the specification will be cause for rejection.

		<b>COMPLY</b>	
		<u>Yes</u>	<u>No</u>
<b><u>5.0 CHASSIS (2011 Model year Freightliner M2 (Dual Steer) OR EQUAL)</u></b>			
5.01	Chassis shall be conventional design with 33,000 GVW rating. State chassis year, make, model: _____	—	—
5.02	Wheelbase shall not exceed 172 inches.	—	—
5.03	Cab to axle shall be not more than 130 inches.	—	—
5.04	Yield strength of the Rail, High Strength, 80,000 PSI, 9/32" X 3 7/16" X 10 1/8".	—	—
5.05	For safety, the rear of the sweeper shall be equipped with a rear panel to provide under ride protection. When dumping debris, material shall not be discharged on top of the rear panel.	—	—
5.06	Front tow hooks shall be provided	—	—
5.07	One- (1) 50-gallon fuel tank shall be shared by both engines and shall be easily accessible without raising or shifting any components. A fuel gauge, in cab, shall be supplied. Sight tube is not acceptable.	—	—
5.08	Diesel emissions shall be EPA 2010 and have a minimum capacity of 6 U.S. gallons diesel emissions fluid	—	—

		<b>COMPLY</b>	
		<u>Yes</u>	<u>No</u>
<b><u>5.1 CHASSIS ENGINE</u></b>			
5.11	Truck engine shall be 2010 Emission Compliant, Cummins ISB 6.7-200 or equivalent, turbocharged diesel, 200 HP @ 2300 RPM, 520ft-lbs. @ 1600 RPM.	—	—
5.12	Truck engine shall be equipped with a single vertical exhaust system.	—	—
5.13	The cooling system shall be protected to -34° F.	—	—
5.14	Engine shall be equipped with block heater.	—	—
5.15	Radiator fan shall be viscous drive type.	—	—

**5.2 TRANSMISSION, AXLES, WHEELS & BRAKES**

**COMPLY**  
**Yes No**

- 5.21 An Allison 2500 RDS series (or approved equal) automatic transmission shall be provided. \_\_\_\_\_
- 5.22 The 2-speed rear axle shall have a ratio of 6.17/8.40:1 for proper sweeping speeds. \_\_\_\_\_
- 5.23 Front axle shall be 12,000 and be equipped with taperleaf front suspension and shock absorbers. \_\_\_\_\_
- 5.24 The rear axle shall be 21,000 lb. \_\_\_\_\_
- 5.25 For safety, and to allow the emergency interchange of tires at a job site, the front and rear tires and rims shall be interchangeable. \_\_\_\_\_
- 5.26 Tires shall be tubeless radial tires 14 ply JJR22.5 "G" load rated. The rear axle shall include dual tires for load capacity; singles will not be acceptable. \_\_\_\_\_
- 5.27 Rims shall be 10 hole steel hub piloted 22.5 x 8.25 \_\_\_\_\_
- 5.28 Parking brake shall be spring applied rear wheel drum and shoe. \_\_\_\_\_
- 5.29 Brakes shall be full air brakes S Cam with a 18.7 CFM capacity compressor, with automatic slack adjusters and ABS. \_\_\_\_\_

**5.3 CAB**

**COMPLY**  
**Yes No**

- 5.31 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 98<sup>th</sup> percentile size operator. \_\_\_\_\_
- 5.32 Steering shall be full power with dual operator controls. \_\_\_\_\_
- 5.33 Seats shall be adjustable, high back, covered with cloth for air circulation and include 3 point seat belts. \_\_\_\_\_
- 5.34 Sweeper shall include two (2) outside west coast type mirrors with lower 8 inch convex lens for easy viewing of the side broom during sweeping. \_\_\_\_\_
- 5.35 To maximize operator visibility of the curb and sweeping gear, an 12" outside RH and LH fender mirrors shall be mounted forward of the front wheels. \_\_\_\_\_
- 5.36 For safety during night sweeping, switches shall be illuminated so that they can be readily identified without the use of the cab dome light. \_\_\_\_\_
- 5.37 Switches shall be clearly identified by name and symbol. \_\_\_\_\_
- 5.38 Cab interior environment shall be fully air-conditioned including a fresh air \_\_\_\_\_

- heater/ventilator/defroster.
- |      |   |       |       |
|------|---|-------|-------|
| 5.39 | Cab shall have full flow through ventilation for optimal temperature control and operator comfort.                          | _____ | _____ |
| 5.40 | Wipers shall have intermittent feature.   | _____ | _____ |
| 5.41 | Interior of cab shall have acoustical insulation for low operating noise, automotive type trim, and center sweeper console. | _____ | _____ |
| 5.42 | Dash shall be faced with soft molded plastic.   | _____ | _____ |
| 5.43 | All glass shall be tinted safety glass.   | _____ | _____ |
| 5.44 | Each operator position shall have adjustable sun visor.   | _____ | _____ |
| 5.45 | Doors shall be keyed alike locks.   | _____ | _____ |
| 5.46 | Door windows shall be roll up type.   | _____ | _____ |
| 5.47 | Side windows shall have defogger.   | _____ | _____ |
| 5.48 | Cab shall include 12V power supply  | _____ | _____ |
| 5.49 | Cab shall include a dash mounted radio with (2) speakers, am/fm antenna shall be included.                                  | _____ | _____ |
| 5.50 | Dual Electric horns shall be provided.  | _____ | _____ |

**5.6 INSTRUMENTS**

**COMPLY**  
**Yes No**

- |      |  |       |       |
|------|--|-------|-------|
| 5.61 | Chassis left side operator instrument panel shall be chassis OEM, full vision illuminated with tachometer, speedometer, odometer, trip odometer, hour meter, fuel gauge, water temperature gauge, oil pressure gauge, transmission temperature gauge, air pressure gauge, and volt gauge.  | _____ | _____ |
| 5.62 | Chassis right side operator instrument panel shall be chassis OEM, full vision illuminated with tachometer, speedometer, odometer, trip odometer, hour meter, fuel gauge, water temperature gauge, oil pressure gauge, transmission temperature gauge, air pressure gauge, and volt gauge. | _____ | _____ |
| 5.63 | Chassis engine instruments shall include warning light and chime for low coolant level and high coolant temperature to warn the operator of a potential problem before any damage to the engine occurs.  | _____ | _____ |
| 5.64 | Console shall have left/right primary driver switch.   | _____ | _____ |
| 5.65 | Hydraulic functions shall be controlled by rocker switches located in the cab mounted control panel.   | _____ | _____ |
| 5.66 | Truck instruments shall include warning lights for battery.  | _____ | _____ |

5.67 All console switches including transmission controls and all gauges shall be illuminated. \_\_\_\_\_

5.68 Intake mounted air restriction indicator with graduations. \_\_\_\_\_

**5.7 ELECTRICAL**

**COMPLY**  
**Yes No**

5.71 Batteries should be located in an enclosed accessible environment for long life and ease of service. \_\_\_\_\_

5.72 Chassis shall have two (2) maintenance free batteries rated at not less than 1850 CCA total, 12 volt. \_\_\_\_\_

5.73 Chassis engine shall have a 160 amp alternator. \_\_\_\_\_

5.74 Chassis lighting shall include sealed multi-beam halogen head-lights, stop lights, tail lights, backup lights, license plate lights, clearance lights, signal lights, illuminated gauges and instrument panel, and directional lights with hazard switch. \_\_\_\_\_

**5.8 CHASSIS ACCESSORIES**

**COMPLY**  
**Yes No**

5.81 All lights on truck to be LED. This shall include stop, tail, reverse and turning indicators. \_\_\_\_\_

5.82 Air dryer for the chassis to be AD-9. \_\_\_\_\_

5.83 Dual cloth air ride Bostrom high back seats shall be provided. \_\_\_\_\_

5.84 An air filter restriction indicator shall be provided. \_\_\_\_\_

5.85 A front spray bar mounted to the underside of the front bumper shall be provided on the chassis. \_\_\_\_\_

5.86 An auxiliary hydraulic pump shall be added to aid in dumping. This pump will be used as an alternate to starting the auxiliary motor to dump the truck. \_\_\_\_\_

5.87 A Midwest autolube system for the chassis and body shall be provided. \_\_\_\_\_

5.88 A five (5) pound fire extinguished shall be included. \_\_\_\_\_

5.89 A set of three (3) triangle reflectors shall be included. \_\_\_\_\_

		<b>COMPLY</b>	
		<u>Yes</u>	<u>No</u>
<b><u>6.0 SWEEPER ENGINE</u></b>			
6.1	Diesel engine shall be 4 cylinder, turbocharged, dynamically counter balanced 276 CID (John Deere 4045T or equal). Engine must be Tier 3 Emission compliant.	_____	_____
6.2	Horsepower rating shall be 115 HP (86 kW) @ 2500 RPM, torque 291 lb-ft @1400 RPM.	_____	_____
6.3	For greater heat dissipation, less noise and lower cost of maintenance, engine shall have individually replaceable wet sleeve cylinder liners.	_____	_____
6.4	Engine shall be protected by a dual safety element dry type air cleaner & restriction indicator that indicates it is time to service the filter element.	_____	_____
6.5	Engine shall be filled with 50/50 mixture anti-freeze/water for cold weather storage and or operation.	_____	_____
6.6	Sweeper engine shall drive the blower fan by a heavy-duty five (5) "V" groove power belt, without the use of a step-up auxiliary gearbox. The power belt will provide ease of maintenance and is more cost effective than using a step-up auxiliary gearbox.	_____	_____
6.7	To minimize noise and vibration, the entire joined engine, coupling and fan assembly shall be isolation mounted on the auxiliary frame.	_____	_____
6.8	The engine shall be enclosed and surrounded by the front part of the sweeper body, by two fiberglass access doors. One at the right-hand side and one at the left-hand side of the sweeper body. These doors provide access to serviceable items without tilting the hopper.	_____	_____
6.9	A fluid coupler shall be installed between the auxiliary engine and the power belt drive, which allows for smooth starting and stopping of the engine, while preventing the momentum of the fan system from driving the engine when the engine is turned off.	_____	_____

		<b>COMPLY</b>	
		<u>Yes</u>	<u>No</u>
<b><u>7.0 BLOWER</u></b>			
7.1	The blower shall be rated at not less than 20,000 CFM. The fan shall be rated by an independent test facility.	_____	_____
7.2	The blower shall be driven by a five (5) "V" groove power belt for maximum performance and simplicity of construction, with tension adjustment not requiring repositioning of the engine.	_____	_____
7.3	The blower shall be a turbine type, with 9 vanes, 31 3/8 in. diameter constructed of abrasion resistant steel and fully balanced for longevity of fan and bearing life. A die-cast aluminum alloy or steel open face blower covered with rubber or not, will not be acceptable.	_____	_____

- |     |   |       |       |
|-----|---|-------|-------|
| 7.4 | The blower housing shall be constructed of 10 gauge abrasion resistant steel and lined with Linatex (or equal) for maximum extended wear in abrasive environments.  | _____ | _____ |
| 7.5 | The blower housing shall have an inspection door for quick inspections without removing the blower housing or looking into the air exhaust opening. Access to this inspection door must be possible without tilting the hopper. | _____ | _____ |
| 7.6 | The blower housing shall not be an integral part of the hopper. Replacement of the blower housing must not require any cutting and welding of the housing and or hopper.  | _____ | _____ |
| 7.7 | The blower shall be mounted on heavy-duty re-greasable bearings, capable of being greased from ground level. Greasing of the bearings must be possible without tilting the hopper.  | _____ | _____ |

**8.0 SUCTION NOZZLES AND HOSES**

**COMPLY**  
**Yes   No**

- |     |  |       |       |
|-----|--|-------|-------|
| 8.1 | The suction nozzle pick-up area shall be not less than 174 sq./in. with suction nozzle width a minimum of 30 inches.   | _____ | _____ |
| 8.2 | The suction hose shall have a quick disconnect coupling, not requiring any tools, at the lower area, near the suction nozzle. This is to allow easy access to both the suction nozzle and suction hose for inspection and cleaning when obstructions occur. The quick disconnect must be accessible without tilting the hopper.  | _____ | _____ |
| 8.3 | The entire suction hose quick disconnect section and hose transition piece into the suction hose gate valves must be of a bolt-on design for easy maintenance and service.   | _____ | _____ |
| 8.4 | All metal components, nozzle, tube, etc. shall be constructed of abrasion resistant steel for longer life in an abrasive environment. Cast aluminum components or components using rubber liners are not acceptable due to shorter service life.   | _____ | _____ |
| 8.5 | The suction hose shall be not less than 11 inches in inside diameter to allow for larger objects and large quantities of debris to enter the suction hose.   | _____ | _____ |
| 8.6 | The nozzles shall extend 15 inches beyond the wheel track for increased performance closer to the curb and better visibility of the nozzle from the cab. The nozzles shall have a replaceable wear edge for running against the curb.  | _____ | _____ |
| 8.7 | An integral automatic "jackknife style" gate valve shall be bolted on the top of the suction hose where the material enters the hopper. The gate valve is automatically activated with the suction nozzle activation and prevents material from dropping back down the nozzle tubes when the vacuum is stopped. The gate valve also prevents material/debris from being dropped into the suction nozzle when the sweeper is traveling. | _____ | _____ |
| 8.8 | The jackknife style gate valve is of such a design that it cleans itself from debris. It is operated by a heavy-duty air cylinder that activates the gate valve. This cylinder   | _____ | _____ |



shall be similar to other air cylinders used in the air system of the sweeper for interchangeability of parts and easy service.

- |      |   |  |       |
|------|---|--|-------|
| 8.9  | The suction nozzle shall ride on two heavy-duty caster wheels. These caster wheels shall be of a pivoting design. This allows the nozzle to move sideways, better staying in the path of debris and following road contours, as well as improving service life. Non-pivoting caster wheels are not allowed as they have a reduced service life.   | _____  | _____ |
| 8.10 | The suction nozzle shall be equipped with a front mounted shutter. This shutter allows easy entry of large objects and large quantities of leaves. The shutter must be replaceable as a separate part, rather than replacing the entire suction nozzle. Suction nozzles that pivot in the back creating a shutter opening in the front, or suction nozzles that have no shutter as part of their design shall not be allowed. | _____  | _____ |
| 8.11 | Sweep path:   | Nozzle only = 35 inches  | _____ |
|      |   | Side broom and nozzle = 52 inches                              | _____ |
|      |   | Extension broom and nozzle = 78 inches                         | _____ |
|      |   | Side broom, extension broom and nozzle = 95 inches             | _____ |
|      |   | Dual side brooms, extension broom and dual nozzle = 144 inches | _____ |

**9.0 SIDE BROOMS**

**COMPLY**  
**Yes No**

- |     |  |       |       |
|-----|--|-------|-------|
| 9.1 | The right and left side broom shall be a free floating trailing arm design with inward motion safety to prevent damage when sweeping and encountering a fixed obstacle. The trailing arm shall be of a parallelogram design for simple, non-binding action/motion and for constant bristle and wear pattern. | _____ | _____ |
| 9.2 | The side brooms shall be 28-inch diameter minimum, with hydraulically driven rotation.   | _____ | _____ |
| 9.3 | The side brooms shall be pneumatically raised, lowered and suspended by heavy duty pneumatic cylinders that are common with other pneumatic cylinders on the sweeper for ease of service and maintenance.  | _____ | _____ |
| 9.4 | Adjustable down pressure shall be pneumatically controlled by the operator from the cab.   | _____ | _____ |
| 9.5 | The broom hydraulic motor drive shall provide not less than 4500 in/lbs. of torque for superior digging power.   | _____ | _____ |
| 9.6 | The side broom assemblies shall have greaseless pivot pins for ease of maintenance.  | _____ | _____ |
| 9.7 | The side broom assemblies shall be supported in the storage position by a transport hook.  | _____ | _____ |

- |      |  |     |     |
|------|--|-----|-----|
| 9.8  | Each side broom shall be controlled from in the cab by simple rocker switches.   | ___ | ___ |
| 9.9  | To prevent exposure to accidental laceration by the bristle tips, side brooms shall retract with wire bristle tips unexposed. No exception will be allowed to this safety requirement. | ___ | ___ |
| 9.10 | Both side brooms shall be capable of adjusting the tilt from inside the cab. In cab adjustment will only be accepted.  | ___ | ___ |

**9.0 EXTENSION BROOM**

**COMPLY**  
**Yes   No**

- |     |   |     |     |
|-----|---|-----|-----|
| 9.1 | The extension broom shall be 54 inches long, 16 inches in diameter, disposable, and reversible.   | ___ | ___ |
| 9.2 | The extension broom shall be hydraulically driven (with relief valve), pneumatically raised, lowered, and suspended.  | ___ | ___ |
| 9.3 | The extension broom shall operate at an 18 degree windrow angle minimum for quicker sideways movement of debris. The broom can pivot for left hand side or right hand side sweeping and is activated by a heavy duty pneumatic cylinder that is common with other pneumatic cylinders on the sweeper for ease of service and maintenance. | ___ | ___ |
| 9.4 | The extension broom hydraulic motor drive shall provide not less than 4500 in/lbs. of torque for superior digging power.  | ___ | ___ |
| 9.5 | Suspension shall be by pneumatic lift with out-of-cab variable down pressure control for maximum digging power and wear control.  | ___ | ___ |
| 9.6 | The extension broom shall have a greaseless pivot pin.  | ___ | ___ |
| 9.7 | The extension 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.  | ___ | ___ |
| 9.8 | A broom cover shall be provided   | ___ | ___ |

**10.0 HOPPER**

**COMPLY**  
**Yes   No**

- |      |  |     |     |
|------|--|-----|-----|
| 10.1 | Volumetric capacity shall be 8 cubic yards minimum.  | ___ | ___ |
| 10.2 | Hopper shall be constructed of 10 gauge steel sides, and ¼ in. floor.  | ___ | ___ |
| 10.3 | A weight actuated full load indicator shall be mounted in the cab on the control panel.  | ___ | ___ |
| 10.4 | The hopper tilt angle when dumping shall be a minimum of 50°. Dumping shall be accomplished by tilting the hopper via a two-stage telescopic cylinder. The use of multiple cylinders for tilting the hopper shall not be acceptable. The use of a moving raker bar which is attached to the rear door inside the hopper in lieu of tipping the hopper for dumping shall not be acceptable. | ___ | ___ |

- 10.5 The hopper floor angle shall be a minimum of 10°. \_\_\_\_\_
- 10.6 A removable, replaceable and adjustable, abrasion resistant “scoop” style steel deflector shall be located at each suction inlet. This deflector is to direct material to the center of the hopper for optimal loading conditions. \_\_\_\_\_
- 10.7 The hopper rear door shall be hinged at the top of the door and opened by means of a hydraulic cylinder. The hopper rear door should open at a minimum angle of 90° to be perpendicular to the hopper opening for maximum dumping action. The City has evaluated many styles and considers this design to be the most effective for dumping and cleaning. \_\_\_\_\_
- 10.8 Hydraulic cylinder movement shall be controlled by the use of two hydraulic valve levers on the right-hand side of the hopper to view discharging of debris out of the hopper during dumping for maximum safety. \_\_\_\_\_
- 10.9 For maximum operator safety the rear hopper door shall have an external door prop. No exception to this safety requirement shall be accepted. \_\_\_\_\_
- 10.10 The hopper rear door shall include an automatic lock mechanism for a tight fit and optimal sealing between the hopper and the rear door. \_\_\_\_\_
- 10.11 The rear door seal shall be a water resistant heavy-duty reinforced D style rubber seal for optimal sealing. Foam seals that can absorb moisture and freeze are not acceptable. \_\_\_\_\_
- 10.12 Two 34½” x 43½” screens, for a total screen area of 3000 square inches, of not less than 11 gauge steel shall be installed to allow air to move freely from the hopper into the blower area. The hopper screens shall be hinged and pinned to allow easy clean out. \_\_\_\_\_
- 10.13 The front section of the hopper must cover the auxiliary engine, and must be constructed of heavy fiberglass. This fiberglass consists of a roof section and two fiberglass side doors that allow access to the serviceable items for ease of maintenance. All these items must be accessible without tilting the hopper. \_\_\_\_\_
- 10.14 The hopper shall cover the main water tank of the water system and will provide easy access to the water system components. Water tanks that are an integrated part of the hopper shall not be allowed. \_\_\_\_\_
- 10.15 When raising the hopper the water tank shall not raise with the hopper. The water tank shall be mounted to the sweeper frame and shall be removable for service. Not raising the water tank when raising the hopper puts less strain on the dump system. \_\_\_\_\_
- 10.16 The hopper shall have hopper cut-outs at each side of the hopper. These cut-outs provide easy access to the quick disconnect section on the suction nozzle and allow the suction hose and nozzle to have side-way movement for establishing more suction power at the curb \_\_\_\_\_
- 10.17 The hopper shall have an inspection door located on the right hand side of the hopper, located on the rear of the hopper. There shall also be an accompanied step \_\_\_\_\_

and grab handle.

10.18 The hopper shall have a 6" hopper drain valve located on the rear of the door. \_\_\_\_\_

**11.0 SPRAY WATER SYSTEM**

**COMPLY**  
**Yes No**

11.1 The water system shall consist of two water tanks. Both shall be removable for service and shall have a total capacity of 335 gallons. Both tanks shall be constructed of rust proof polyethylene. \_\_\_\_\_

11.2 The water tanks shall be frame mounted with no part sharing any common wall with the hopper and shall not rise during hopper dumping. \_\_\_\_\_

11.3 Two electric 12 volt water pumps, 2-speed, diaphragm type pump provide 4 GPM & 40 PSI to the suction nozzle, the side broom and the extension broom. Belt driven pumps are not acceptable. \_\_\_\_\_

11.4 One water pump is fully dedicated to supplying water to the RH suction nozzle, RH side broom and extension broom for optimal dust control. \_\_\_\_\_

11.5 One water pump is fully dedicated to supplying the LH suction nozzle, LH side broom and optional front spray bar for optimal dust control. \_\_\_\_\_

11.6 The water pumps can be selectively controlled from the cab to adjust to the sweeping conditions. \_\_\_\_\_

11.7 A 25 ft. fill hose with NST coupling and anti-siphon connector with strainer shall be supplied. A quick disconnect shall also be provided. \_\_\_\_\_

11.8 A water level gauge shall be provided on the control console within the cab. \_\_\_\_\_

11.9 Two (2) water spray nozzles are located at each side broom for optimal dust control. \_\_\_\_\_

11.10 Seven (7) removable water spray nozzles are located inside the suction nozzle. Water spray nozzles that spray on the outside of the nozzle are not acceptable. \_\_\_\_\_

11.11 The water filter, located near the water pumps must be easy to access and clean without tilting the hopper. A ball valve must be provided to allow cleaning of the filter without the loss of water from the water tanks. \_\_\_\_\_

11.12 All water piping shall be external to the operator cab. For safety, no water lines capable of leaking or bursting shall be within the cab. \_\_\_\_\_

11.13 The extension broom is supplied with four (4) rubber mounted, quick disconnect spray nozzles for easy cleaning and maintenance. Non rubber mounted and non quick disconnect water nozzles are not acceptable. \_\_\_\_\_

11.14 All water lines shall be color-coded green for easy identification. Pressure water lines shall be Nylon PFT line for maximum life. All suction and fill water hose is a synthetic rubber braid reinforced hose for maximum life. Any other materials are \_\_\_\_\_

not acceptable.

- |       |  |       |       |
|-------|--|-------|-------|
| 11.15 | All water connections are either Presto-matic push to lock or Push Lok fittings for easy assembly and maintenance and long life. | _____ | _____ |
| 11.16 | A 2 ½” anti-siphon air gap shall be supplied on the water tank fill to prevent contamination of supply water.                    | _____ | _____ |

**12.0 HYDRAULIC SYSTEM**

**COMPLY**  
**Yes No**

- |      |   |       |       |
|------|---|-------|-------|
| 12.1 | Tandem hydraulic pumps shall be a direct gear pump for maintenance free operation, having a flow capacity of 7.7 GPM @ 2500 RPM each. A belt driven or PTO driven hydraulic pump is not acceptable.                 | _____ | _____ |
| 12.2 | Reservoir capacity shall be not less than 23 gallons and have an exterior sight gauge. The reservoir must be located in the enclosed auxiliary engine compartment for quick inspections without tilting the hopper. | _____ | _____ |
| 12.3 | Hydraulic oil cooler shall be standard with fresh air intake and accessible with out raising the hopper. All hydraulic circuits shall have quick disconnect pressure check ports for ease of maintenance.           | _____ | _____ |
| 12.4 | To minimize the hazards of potential leakage, all high pressure fittings shall be “O” ring face seal (OFS) on hose ends or “O” ring boss on hydraulic ports. Other systems shall not be acceptable.                 | _____ | _____ |
| 12.5 | There shall be a 10 micron spin-on hydraulic filter. Exchange of the filter must be possible without tilting the hopper.  | _____ | _____ |
| 12.6 | To further reduce the chance of hydraulic system contamination and joint leakage use of standard pipe threads requiring pipe dope shall not be acceptable.  | _____ | _____ |

**13.0 PNEUMATIC SYSTEM**

**COMPLY**  
**Yes No**

- |      |   |       |       |
|------|---|-------|-------|
| 13.1 | The pneumatic system shall have DOT, prestomatic push to lock fittings for ease of maintenance and service. Any other fittings are not acceptable   | _____ | _____ |
| 13.2 | There shall be a PR4 type pressure protector for the chassis air system to protect the chassis air system at air pressures below 85 PSI.  | _____ | _____ |
| 13.3 | A separate air tank for all sweeper air components shall be provided.   | _____ | _____ |
| 13.4 | All pneumatic cylinders must be rated to 150 PSI and have separate rod seal and wiper to prevent contamination entering the cylinder.   | _____ | _____ |
| 13.5 | Each cylinder shall be controlled by a single, two positions, solenoid valve mounted on a manifold with common input and exhaust. A manual override shall be provided on each solenoid valve for trouble shooting and function lockout. | _____ | _____ |

- |      |   |       |       |
|------|---|-------|-------|
| 13.6 | There shall be a filter with polycarbonate bowl to filter out contaminants down to 5 microns to prevent contamination in the air system.          | _____ | _____ |
| 13.7 | All air lines should be color-coded silver and function stamped for ease of identification maintenance. Non color coded lines are not acceptable. | _____ | _____ |

**14.0 ELECTRICAL SYSTEM**

**COMPLY**  
**Yes   No**

- |       |   |       |       |
|-------|---|-------|-------|
| 14.1  | Sweeper electrical system shall be independent from the electrical system of the chassis.   | _____ | _____ |
| 14.2  | Sweeper engine shall have one (1) 925 CCA, 12 volt battery.   | _____ | _____ |
| 14.3  | Sweeper engine shall have a 95 amp alternator.  | _____ | _____ |
| 14.4  | Sweeper shall have an electronic back-up alarm for additional warning and safety when chassis is in reverse.  | _____ | _____ |
| 14.5  | Sweeper lighting shall include rear identification lights, side broom and rear clearance lights.  | _____ | _____ |
| 14.6  | Sweeper warning lights shall include hopper up, hopper full load and hopper rear door open.   | _____ | _____ |
| 14.7  | Sweeper wiring harnesses shall be color-coded and hot stamped with appropriate word designation labeled every four inches, i.e. "Ignition", "Side Broom" on each wire.  | _____ | _____ |
| 14.8  | For safety, manual reset circuit breakers or fuses shall protect all electrical circuits.   | _____ | _____ |
| 14.9  | Dual rear floods lights shall be provided.  | _____ | _____ |
| 14.10 | A rear and left hand camera shall be provided with a LCD viewing screen mounted in the cab.   | _____ | _____ |
| 14.11 | A LED arrowboard shall be mounted to the top of the rear door and is to be accompanied by a LED arrowstick at the rear of the door and a LED strobe mounted to the top of the hopper. The LED strobe shall be center mounted with a limb guard. | _____ | _____ |

**15.0 CONTROLS**

**COMPLY**  
**Yes   No**

- |      |  |       |       |
|------|--|-------|-------|
| 15.1 | All sweeper controls shall be mounted on a central terminal for use from either right or left positions. This allows the operator to view all important auxiliary engine information from either operating position. | _____ | _____ |
| 15.2 | The controls shall include all sweep, spray water, and lighting functions.   | _____ | _____ |
| 15.3 | The controls for sweep, spray water, and lighting functions shall be conventional rocker switches.   | _____ | _____ |

- |      |  |     |     |
|------|--|-----|-----|
| 15.4 | Controls for auxiliary engine ignition and throttle, side broom down pressure and manual reset circuit breakers shall be located on the control console. | ___ | ___ |
| 15.5 | The control console shall have a quick release access cover that can be fully hinged over a pivoting hinge   | ___ | ___ |
| 15.6 | The control console shall have integrated cup holders  | ___ | ___ |

**16.0 INSTRUMENTS**

**COMPLY**  
**Yes   No**

- |      |  |     |     |
|------|--|-----|-----|
| 16.1 | Sweeper engine instruments shall include tachometer, hour meter, oil pressure, fuel, voltage, and coolant temperature for complete information for the operator on the condition of the auxiliary engine.  | ___ | ___ |
| 16.2 | Sweeper engine instruments shall include an auxiliary engine air intake restriction gauge for ease of maintenance, a rear door "open" indicator, a "raised" hopper indicator and a "full" hopper indicator to notify the operator of hopper and hopper rear door conditions. | ___ | ___ |
| 16.3 | Sweeper instruments shall include diagnostic information for the sweeper engine and sweeper functional information to include sweeper engine hours, side broom hours, water level, vacuum enhancer position and hopper door position.  | ___ | ___ |

**17.0 PAINT**

**COMPLY**  
**Yes   No**

- |      |   |     |     |
|------|---|-----|-----|
| 17.1 | All visible exterior metallic surfaces shall be coated prior to assembly with polyester powder coat. The paint must be a minimum of 2 mils thick. The uses of acrylic enamels and/or polyurethane's are not acceptable. | ___ | ___ |
| 17.2 | Color shall be the City's color of "White".   | ___ | ___ |
| 17.3 | Vehicle shall have an accent color of Grey on the lower portions of the unit.   | ___ | ___ |
| 17.4 | No decals shall be located anywhere on the sweeper body. The City wished to use the hopper walls for other purposes.  | ___ | ___ |

**18.0 MANUALS**

**COMPLY**  
**Yes   No**

- |      |  |     |     |
|------|--|-----|-----|
| 18.1 | An operation manual shall be provided. | ___ | ___ |
| 18.2 | A parts manual shall be provided.      | ___ | ___ |

**19.0 WARRANTY**

**COMPLY**  
**Yes   No**

- |      |   |     |     |
|------|---|-----|-----|
| 19.1 | Manufacturer's warranty shall be not less than one (1) year on entire sweeper, including all parts and labor.   | ___ | ___ |
| 19.2 | Bidders submitting literature stating warranties which do not fully comply with warranty requirements of this specification must submit a letter from the | ___ | ___ |

manufacturer certifying warranty compliance as an integral part of their proposal. Failure to comply may cause the proposal shall be deemed “non-responsive” and rejected without further review.

**20.0 SERVICE AND TRAINING**

**COMPLY**  
**Yes No**

20.1 Vendors shall have a full parts and service facility within a reasonable distance from the City’s Garage. State location and distance.

\_\_\_\_\_

20.2 A qualified technician shall provide complete training to 0 personnel at the 0 Garage. Training shall include safety, operation, maintenance and service.

\_\_\_\_\_

**21.0 DELIVERY**

**COMPLY**  
**Yes No**

21.1 Sweeper shall be delivered to the City of Naples in first class operating condition.

\_\_\_\_\_

21.2 Acceptance shall be subject to the inspection and approval of the City.

\_\_\_\_\_

21.3 Bidder shall state estimated delivery time after receipt of order:

\_\_\_\_\_

\_\_\_\_\_

**22.0 QUALITY**

22.1 Sweeper shall be manufactured by a company with a registered quality standard no less than ISO 9001.

**23.0 OPTIONAL TRADE-IN**

The City of Naples may choose, at its sole discretion, to return the purchased street sweeping unit, in "AS-IS" condition, 5-years or less from the purchase date. At their option, bidders may provide a return allowance back to the City.

**24.0 EXCEPTIONS AND DEVIATIONS**

Bidder shall fully describe every variance, exception and/or deviation. Additional sh used if required.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



**BID FORM**

TO: City of Naples

The undersigned hereby declares that they have carefully examined the requirements of the specifications contained herein, and propose to furnish and deliver to the City of Naples the apparatus listed below.

**A. ONE (1) New and Unused Mechanical Street Sweeper with Belt Conveyor**

BODY MAKE \_\_\_\_\_ MODEL \_\_\_\_\_ YEAR \_\_\_\_\_

CHASSIS MAKE \_\_\_\_\_ MODEL \_\_\_\_\_ YEAR \_\_\_\_\_

PURCHASE PRICE \$ \_\_\_\_\_

(in words) \_\_\_\_\_

**B. 5-YEAR TURN KEY MAINTENANCE PLAN**

PRICE \$ \_\_\_\_\_

(in words) \_\_\_\_\_

**C. BID TOTAL: A + B = BID PRICE**

TOTAL BID PRICE \$ \_\_\_\_\_

(In words) \_\_\_\_\_

**D. OPTIONAL RETURN VALUE:**

Company Rep. Signature \_\_\_\_\_

Title \_\_\_\_\_

Company \_\_\_\_\_

Address \_\_\_\_\_

Date: \_\_\_\_\_

**TECHNICAL SPECIFICATIONS  
FOR  
SIX WHEEL BROOM STREET SWEEPER WITH BELT CONVEYOR**

**COMPLY**  
**Yes   No**

---

**1.0 INTENT**

It is the intent of this specification to provide for the purchase of one (1) new and unused street sweeper with the model, series and technology bid, having been in production and in full service for a minimum of five (5) years having a six wheel configuration, separate engines for propulsion and sweeping, 4.5 cubic yard right side high dumping hopper, automatic transmission, dual steering and operator controls, cleated belt conveyor, and left and right side broom with variable down pressure controlled from cab.

Bidder shall supply a list of cities currently using the model as bid and shall be with in the State.

This specification is not to be interpreted as restrictive, but rather as a measure of the safety, quality and performance against which all sweepers bid will be compared.

The successful bidder will be one whose product is judged shall best serve the interests of the City when price, product, safety, quality and delivery are considered. The City of Naples reserves the right to reject any or all bids or any part thereof, and to waive any minor technicalities. A contract will be awarded to the bidder submitting the lowest responsible bid meeting the requirements of this specification.

**COMPLY**  
**Yes   No**

---

**2.0 EQUIVALENT PRODUCT**

Bids will be accepted for consideration on any make or model that is equal or superior to the sweeper specified. Decisions of equivalency will be at the sole interpretation of the City of Naples's Department of Public Works. A blanket statement that equipment proposed will meet all requirements will not be sufficient to establish equivalence. Original manufacturer's brochures of the proposed unit are to be submitted with the proposal.

All modifications made to the standard production unit described in the manufacturer's brochures must be certified by the manufacturer and submitted with the bid, or the bid will be deemed "non-responsive" and rejected without further review. Bidder must be prepared to demonstrate a unit similar to the one proposed, if requested.

**COMPLY**  
**Yes No**

**3.0 INTERPRETATIONS**

In order to be fair to all bidders, no oral interpretations will be given to any bidder as to the meaning of the specification documents or any part thereof. Every request for such a consideration shall be made in writing to the City Purchasing Division. Based upon such inquiry, the City may choose to issue an Addendum.

**COMPLY**  
**Yes No**

**4.0 GENERAL**

The specification herein states the minimum requirements of the City. All bids must be regular in every respect. Unauthorized conditions, limitations, or provisions shall be cause for rejection. The City will consider as “irregular” or “non-responsive” any bid not prepared and submitted in accordance with the bid document and specification, or any bid lacking sufficient technical literature to enable the City to make a reasonable determination of compliance to the specification.

It shall be the bidder’s responsibility to carefully examine each item of the specification. Failure to offer a completed bid or failure to respond to each section of the technical specification (COMPLY: YES NO) will cause the proposal to be rejected without review as “non-responsive”. All variances, exceptions and/or deviations shall be fully described in the appropriate section. Deceit in responding to the specification will be cause for rejection.

**COMPLY**  
**Yes No**

**5.0 CHASSIS (2012 Freightliner M2 OR EQUAL)**

- 5.01 Chassis shall be conventional design with 33,000 GVW rating. State chassis year, make, model: \_\_\_\_\_
- 5.02 Wheelbase shall be not more than 140 inches. \_\_\_\_\_
- 5.03 Cab to axle to accommodate vertical exhaust with Diesel Particulate Filter. \_\_\_\_\_
- 5.04 Chassis shall include front tow hooks. \_\_\_\_\_
- 5.05 One- (1) 50-gallon fuel tank shall be shared by both engines and shall be easily accessible without raising or shifting any components. A fuel gauge, in cab, shall be supplied. Sight tube is not acceptable. \_\_\_\_\_
- 5.06 Automatic lubrication system to provide appropriately timed grease application to all greasable points shall be provided for the sweeper and chassis. \_\_\_\_\_

<b><u>5.1 CHASSIS ENGINE</u></b>		<b><u>COMPLY</u></b>	
		<b><u>Yes</u></b>	<b><u>No</u></b>
5.11	Truck engine shall be 2010 Emission Compliant, Cummins ISB 6.7-200 or equivalent, turbocharged diesel, 200 Hp @ 2400 RPM, 520ft-lbs. @ 1600 RPM.	_____	_____
5.12	Truck engine shall be equipped with a single vertical exhaust system with Diesel Particulate Filter and 6 gallon DEF tank.	_____	_____
5.13	The cooling system shall be protected to -34° F.	_____	_____
5.14	Engine shall be equipped with single stage dry-type air cleaner with safety element, spin-on fuel filter, full flow oil filter, and heated fuel/water separator with in-cab .	_____	_____
5.15	Engine shall be equipped with block heater.	_____	_____
5.16	Radiator fan shall be viscous drive type.	_____	_____

<b><u>5.2 TRANSMISSION, AXLES, WHEELS &amp; BRAKES</u></b>		<b><u>COMPLY</u></b>	
		<b><u>Yes</u></b>	<b><u>No</u></b>
5.21	An Allison 2500 Series (or approved equal) automatic transmission with oil heavy duty oil cooler shall be provided. An external spin on transmission oil filter is to be included with the Allison transmission.	_____	_____
5.22	The 2-speed rear axle shall have a ratio of 6.17/8.40:1 for proper sweeping speeds.	_____	_____
5.23	The 12,000 lb. front axle shall be equipped with 12000 lb. Taper leaf springs and shock absorbers.	_____	_____
5.24	The 21,000 lbs rear axle air spring suspension will be required. (Arvin-Meritor RS21-230 axle with Hendrickson TAS -21 Air Suspension or equal)	_____	_____
5.25	The system must have automatic height control valves on the drive axle to maintain ride height during transport and have a minimum capacity of 21,000 lbs	_____	_____
5.26	The system shall allow the automatic release of air from the air spring to hard rubber bisques to allow for solid axle performance during sweeping operations and full stability while dumping at minimum to full dumping height.	_____	_____
5.27	Control of the air spring rear suspension shall be by a single transport/sweep switch on the control console.	_____	_____
5.28	For safety and to allow the emergency interchange of tires at a job site and front and rear tires and rims shall all be interchangeable.	_____	_____
5.29	Tires shall be tubeless radial tires 14 ply 11R22.5 “G” load rated. The rear axle shall include dual tires for load capacity; singles will not be acceptable.	_____	_____
5.30	Rims shall be 8 hole steel hub piloted 22.5 x 8.25	_____	_____
5.31	Brakes shall be full anti-lock air brakes with an 18.7 CFM capacity compressor,	_____	_____

and with automatic slack adjusters.

- |      |  |       |       |
|------|--|-------|-------|
| 5.32 | Air system shall include a heated air dryer with automatic moisture ejector. | _____ | _____ |
| 5.33 | Parking brake shall be spring applied rear wheel drum and shoe.              | _____ | _____ |

**5.4 CAB**

**COMPLY**  
**Yes No**

- |      |  |       |       |
|------|--|-------|-------|
| 5.41 | Hood shall be sloped as much as possible to allow best forward visibility.   | _____ | _____ |
| 5.42 | Steering shall be full power with dual operator controls.  | _____ | _____ |
| 5.43 | Each operating position shall have its own steering column and wheel.  | _____ | _____ |
| 5.44 | Seats shall be adjustable, covered with cloth for air circulation and include 3 point seat belts.  | _____ | _____ |
| 5.45 | Sweeper shall include two (2) outside west coast type mirrors with lower 12 inch convex lens for easy viewing of the side broom during sweeping.   | _____ | _____ |
| 5.46 | To maximize operator visibility of the curb and sweeping gear, an 8" outside RH and LH fender mirror shall be mounted forward of the front wheels. | _____ | _____ |
| 5.47 | Hydraulic functions shall be controlled by rocker switches located in the cab mounted control panel.   | _____ | _____ |
| 5.48 | For safety during night sweeping, switches shall be illuminated so that they can be readily identified without the use of the cab dome light.      | _____ | _____ |
| 5.49 | Switches shall be clearly identified by name and symbol.   | _____ | _____ |
| 5.50 | Cab interior environment shall be fully air-conditioned including a fresh air heater/ventilator/defroster.   | _____ | _____ |
| 5.51 | Cab shall have full flow through ventilation for optimal temperature control and operator comfort.   | _____ | _____ |
| 5.52 | Wipers shall have intermittent feature.  | _____ | _____ |
| 5.53 | Interior of cab shall have acoustical insulation for low operating noise, automotive type trim, and center sweeper console.                        | _____ | _____ |
| 5.54 | Dash shall be faced with soft molded plastic.  | _____ | _____ |
| 5.55 | All glass shall be tinted safety glass.  | _____ | _____ |
| 5.56 | Each operator position shall have adjustable sun visor.  | _____ | _____ |
| 5.57 | Doors shall be keyed alike locks.  | _____ | _____ |
| 5.58 | Door windows shall be roll up type.  | _____ | _____ |
| 5.59 | Side windows shall have defogger.  | _____ | _____ |
| 5.60 | Cab shall include 12V power supply   | _____ | _____ |

5.61 Cab shall include a radio installation package with pre-wiring for speakers, antenna and radio power. Speakers and antenna shall be included

**COMPLY**  
**Yes No**

**5.7 INSTRUMENTS**

5.71 Chassis left side operator instrument panel shall be chassis OEM, full vision illuminated with tachometer, speedometer, odometer, trip odometer, hour meter, trip hour meter, fuel gauge, water temperature gauge, oil pressure gauge, transmission temperature gauge, air pressure gauge, and volt gauge.

5.72 Chassis right side operator instrument panel shall be chassis OEM, full vision illuminated with tachometer, speedometer, odometer, trip odometer, fuel gauge, water temperature gauge, oil pressure gauge, transmission temperature gauge, air pressure gauge, and volt gauge.

5.73 Chassis gauges shall include speedometer, odometer, coolant temperature, tachometer, voltmeter, oil pressure, fuel level and air pressure.

5.74 Chassis engine instruments shall include warning light and chime for low coolant level and high coolant temperature to warn the operator of a potential problem before any damage to the engine occurs. Console shall have left/right primary driver switch.

5.75 Truck instruments shall include warning lights for battery.

5.76 Sweeper engine instruments shall include tachometer, hour meter, oil pressure, fuel, voltage, and coolant temperature for complete information for the operator on the condition of the auxiliary engine.

5.77 Instruments shall include an auxiliary engine air intake restriction indicator mounted in the fixed console, for ease of maintenance, and a hopper “full load” indicator to notify the operator the hopper is fully loaded.

5.78 Dash, all console switches including transmission controls and all gauges shall be illuminated.

**COMPLY**  
**Yes No**

**5.8 ELECTRICAL**

5.81 Batteries should be located in an enclosed accessible environment for long life and ease of service.

5.82 Chassis shall have two (2) maintenance free batteries rated at not less than 1850 CCA total, 12 volt.

5.83 Chassis engine shall have a 160 amp alternator.

5.84 Chassis lighting shall include sealed multi-beam halogen head-lights, LED stop lights, LED tail lights, backup lights, license plate lights, clearance lights, LED signal lights, illuminated gauges and instrument panel, and directional lights with hazard switch.

**5.9 CHASSIS ACCESSORIES**

**COMPLY**  
**Yes No**

- 5.91 Automatic lubrication system to provide appropriately timed grease application to all greasable points shall be provided for the sweeper and chassis. \_\_\_\_\_
- 5.92 An in-cab engine air intake filter indicator shall be included which shows the condition of the air filter. \_\_\_\_\_
- 5.93 An AM/FM radio is to be included with the truck. \_\_\_\_\_
- 5.94 A 5-lb. fire extinguisher shall be provided. \_\_\_\_\_
- 5.95 Right side and left side air ride/high back cloth seats. \_\_\_\_\_
- 5.96 Chassis side mirrors to be controlled remotely from the operator seat and heated. \_\_\_\_\_
- 5.97 Rear mounted flashing LED arrowstick, controlled from inside the cab on central panel \_\_\_\_\_

**6.0 SWEEPER ENGINE**

**COMPLY**  
**Yes No**

- 6.1 Diesel engine shall have 4 cylinders, Turbocharged. \_\_\_\_\_
- 6.2 Horsepower rating shall be not less than 49 HP @ 2800 RPM, torque 127lb-ft @1680 RPM (John Deere or equal). \_\_\_\_\_
- 6.3 Engine shall be equipped with a full flow oil filter, heavy duty two stage dry element air cleaner with safety element, fuel filter, and fuel/water separator. \_\_\_\_\_
- 6.4 Engine shall be protected by a 70/30 mixture anti-freeze/water for cold weather storage and or operation to -30 degrees F (-34C). \_\_\_\_\_
- 6.5 Engine, radiator and all auxiliary engine driven devices shall be isolation mounted through a dedicated engine frame. \_\_\_\_\_
- 6.6 Engine shall be equipped with a cab mounted filter restriction indicator. \_\_\_\_\_
- 6.7 An automatic auxiliary engine shutdown shall be included which protects against damage when high coolant temperature, low oil pressure or low hydraulic oil level occurs. \_\_\_\_\_
- 6.8 An in cab air restriction gauge shall be provided. \_\_\_\_\_

**7.0 SIDE BROOMS TRAILING ARM DESIGN**

**COMPLY**  
**Yes No**

- 7.1 A hydraulic motor directly mounted to the broom disc plate shall drive each side broom. Do to curb and obstructions in the roadway a trailing arm design must be supplied with vertical digger brooms. A forward facing digger type arm assembly will not be acceptable. LEADING SIDE ARM BROOMS WILL NOT BE ACCEPTED. A leading side broom can be ripped off if obstructions are hit, such \_\_\_\_\_

- as mailboxes, telephone poles, etc.
- 7.2 Side brooms shall be 42-inch diameter minimum, protruding not less than 13 in. beyond the outside of the tire of the chassis while sweeping. \_\_\_\_\_ \_\_\_\_\_
  - 7.3 Full sweeping path of 120 inches with both brooms in working position. \_\_\_\_\_ \_\_\_\_\_
  - 7.4 To hold broom pattern regardless of up and down motion, arm suspension design shall be the parallelogram type. \_\_\_\_\_ \_\_\_\_\_
  - 7.5 Broom down pressure shall be adjustable by the operator from the cab while moving or stationary. \_\_\_\_\_ \_\_\_\_\_
  - 7.6 Broom shall consist of five (5) plastic segments, filled with 26 inch long tempered steel wire. \_\_\_\_\_ \_\_\_\_\_
  - 7.7 To provide flexibility for varying sweeping conditions, broom speed shall be variable, 90 RPM to 160 RPM, by the operator from the cab while moving. \_\_\_\_\_ \_\_\_\_\_
  - 7.8 Broom rotation, forward or reverse, shall be selectable without leaving the cab. \_\_\_\_\_ \_\_\_\_\_
  - 7.9 Each broom shall have a work light for night operation. \_\_\_\_\_ \_\_\_\_\_
  - 7.10 Broom rotation shall stop and raise automatically, when transmission is placed into reverse or when the sweeper is put in transport mode or stationary. \_\_\_\_\_ \_\_\_\_\_
  - 7.11 The unit shall include sweep resume option. Sweep resume will pick up and stow all sweep gear by operating one switch. Reactivating the switch will engage all sweep gear to preset operating conditions. \_\_\_\_\_ \_\_\_\_\_
  - 7.12 Broom position to be adjustable, by remote from inside the cab, for wire wear and surface conditions, inward/outward tip, up to 10". \_\_\_\_\_ \_\_\_\_\_
  - 7.13 A dual side broom pressure gauge shall be installed inside the cab where the operator can adjust side broom pressure while operating the truck. This will assist in adjusting to the changing sweeping terrain. \_\_\_\_\_ \_\_\_\_\_
  - 7.14 Both brooms shall have tilt features. \_\_\_\_\_ \_\_\_\_\_
  - 7.15 The right hand side broom shall have extended reach capabilities. \_\_\_\_\_ \_\_\_\_\_

**8.0 MAIN BROOM**

**COMPLY**  
**Yes   No**

- 8.1 The main broom shall be not less than 60 inches long and not less than 35 inches in diameter. \_\_\_\_\_ \_\_\_\_\_
- 8.2 A hydraulic motor directly mounted to the broom core shall drive the broom. Chain and Sprocket design is not acceptable do to maintenance. \_\_\_\_\_ \_\_\_\_\_
- 8.3 To provide flexibility for varying sweeping conditions, broom speed shall be variable, 80 RPM to 140 RPM, by operator from cab while moving. \_\_\_\_\_ \_\_\_\_\_
- 8.4 Main broom down pressure shall be adjustable by the operator from the cab while moving. \_\_\_\_\_ \_\_\_\_\_



- |      |   |       |       |
|------|---|-------|-------|
| 8.5  | Main broom shall be a solid core broom.   | _____ | _____ |
| 8.7  | Sweeping path shall be not less than 10 feet wide with right and left side broom activated.   | _____ | _____ |
| 8.8  | For safety, main broom shall automatically stop and rise when transmission is placed in reverse.  | _____ | _____ |
| 8.9  | Shall be equipped with a steel main broom hood to only prevent material from being over thrown into following traffic and also be capable of channeling over throw back into the dirt chamber. Plastic hood is not acceptable do to debris exposure and cracking. | _____ | _____ |
| 8.10 | Main broom shall have a work light.   | _____ | _____ |
| 8.11 | Main broom shall be pneumatically raised and lowered.   | _____ | _____ |

**COMPLY**  
**Yes   No**

**9.0 CONVEYOR**

- |      |  |       |       |
|------|--|-------|-------|
| 9.1  | Conveyor shall be able to load hopper to 100% of rated useable capacity.   | _____ | _____ |
| 9.2  | Conveyor rotation, forward or reverse, shall be selectable rotation without leaving the cab.   | _____ | _____ |
| 9.3  | To maintain Heavy loads of material the conveyor shall be high strength belt type with molded full width cleats to carry material to the hopper. Squeegee type flight system that drag material will not be acceptable and will be considered nonresponsive. | _____ | _____ |
| 9.4  | Conveyor speed shall be variable from the cab.   | _____ | _____ |
| 9.5  | Conveyor shall be reversible in direction without stopping or reversing any broom.   | _____ | _____ |
| 9.6  | Conveyor shall be capable of effectively sweeping debris of varying sizes (from large bulky trash 9 inches in height to fine sand) without the need to make any adjustments to the conveyor system.  | _____ | _____ |
| 9.7  | To provide proper clearance, the lower portion of the conveyor shall be capable of raising 9 inches while sweeping for any type of material.   | _____ | _____ |
| 9.8  | To reduce wear on all conveyance components, a conveyor belt having molded cleats must carry, not drag, debris to the hopper.  | _____ | _____ |
| 9.9  | For safety, conveyor shall automatically stop and raise when transmission is placed in reverse or when the sweeper is put in transport mode.   | _____ | _____ |
| 9.10 | Drag shoes shall be rubber.  | _____ | _____ |
| 9.11 | A conveyor stall alarm shall be included to prevent damage to the sweeper.   | _____ | _____ |
| 9.12 | The conveyor shall have a high speed motor.  | _____ | _____ |

**10.0 HOPPER**

**COMPLY**  
**Yes No**

- |       |   |       |       |
|-------|---|-------|-------|
| 10.1  | For safety, the hopper shall be right side dumping, allowing an operator to observe the dump target and surrounding area at all times from the cab, without the use of mirrors.   | _____ | _____ |
| 10.2  | Hopper floor shall be constructed of 7 gauge steel.   | _____ | _____ |
| 10.3  | Hopper door, sides and top must be a minimum of 11 gauge steel.   | _____ | _____ |
| 10.4  | Hopper volumetric capacity shall be not less than 4.5 cubic yards. Useable capacity not less than 3.3 yards. A hopper inspection door shall be supplied.  | _____ | _____ |
| 10.5  | Hopper shall dump at varying heights ranging from 38 inches through a height of 10 feet as measured at the lowest point under the open hopper chute. Fixed height dump systems are not acceptable.                                      | _____ | _____ |
| 10.6  | Hopper shall be able to tilt (dump) to an angle not less than 50 degrees to ensure complete removal of all debris.  | _____ | _____ |
| 10.7  | Lift mechanism shall be double stage; scissors lift system utilizing two hydraulic cylinders with a bore of not less than 3.5 inches and a stroke of not less than 33.5 inches.   | _____ | _____ |
| 10.8  | Lift capacity shall be not less than 11,000 lbs.  | _____ | _____ |
| 10.9  | Hopper dump mechanism shall utilize two hydraulic cylinders with a bore of not less than 3.5 inches and a stroke of not less than 19.8 inches.  | _____ | _____ |
| 10.10 | Maximum time for full height lift and dump cycle shall not exceed 70 seconds.   | _____ | _____ |
| 10.11 | Hopper to hydraulically side shift toward hopper receptacle not less than 11 inches for dumping efficiency. When dumping hopper, the minimum clearance required between sweeper and debris receptacle shall not be less than 28 inches. | _____ | _____ |
| 10.12 | Due to high wind conditions long dump doors that restrict full dumping angle of 50 degrees into a receptacle at any height will not be allowed.   | _____ | _____ |
| 10.13 | Hopper load shall be visible at all times from the cab through a front facing hopper window and an upward facing skylight.  | _____ | _____ |
| 10.14 | To prevent over-loading beyond Manufacturer's GVW rating, cab shall have a full load warning indicator light activated by hopper weight.  | _____ | _____ |
| 10.15 | To extend wear life, all scissors lift joints shall be self lubricating bronze bearings.  | _____ | _____ |
| 10.16 | For safety, apparatus shall have an interlock to prevent dumping hopper without engaging the park brake.  | _____ | _____ |
| 10.17 | For safety, cab shall have an "UNLEVEL GRADE" indicator.  | _____ | _____ |
| 10.18 | Sweeper shall not require jack stands and/or outriggers to stabilize chassis during   | _____ | _____ |

dumping cycle. Units requiring this stabilization are not acceptable.

<b><u>11.0 SPRAY WATER SYSTEM</u></b>		<b>COMPLY</b>	
		<b><u>Yes</u></b>	<b><u>No</u></b>
11.1	Tank capacity shall be not less than 280 U.S. gallons.	_____	_____
11.2	Tank shall be constructed of non-rusting material.	_____	_____
11.3	Pump shall be centrifugal type capable of running dry indefinitely without damage.	_____	_____
11.4	Pump shall be aluminum. Pump shall not contain ferrous parts in contact with water.	_____	_____
11.5	Water system shall be equipped with 3 spray nozzles on each side broom, three spray nozzles on a rear spray bar. Rear spray bars shall be constructed of non-ferrous components to prevent contamination.	_____	_____
11.6	Water to each area, side broom left or right or rear spray bar shall be controlled in the cab by electrical activation switches. Water flow control valves shall be non-ferrous heavy-duty "agricultural" type.	_____	_____
11.7	A low water indicator light shall be located within the cab.	_____	_____
11.8	Sweeper shall be equipped with an automatic internal hopper/conveyor flush and wash down system. System shall include a manual bypass valve to divert hydrant water into system without necessitating filling of water tank. Bypass valve shall be located on the curb side of the vehicle.	_____	_____
11.9	Water fill hose shall be not less than 25 feet in length, equipped with 2-1/2 inch NST hydrant coupler.	_____	_____
11.10	A 25 foot wash down hose shall be provided.	_____	_____
11.11	An in-line water filter shall be provided with the fill hose to prevent contaminants from entering the water tank.	_____	_____
11.12	To prevent the contamination of the water supply, tank shall be equipped with an anti-siphon device Compliant to American National Standard Air gaps in plumbing systems ASME A112.12-1991.	_____	_____

<b><u>12.0 HYDRAULIC SYSTEM</u></b>		<b>COMPLY</b>	
		<b><u>Yes</u></b>	<b><u>No</u></b>
12.1	Reservoir capacity shall be not less than 21 gallons with outside level indicator.	_____	_____
12.2	Pump shall be three sections, directly driven.	_____	_____
12.3	To prevent contamination of the reservoir during the dump cycle, the reservoir vent shall be equipped with 10 micron, spin on filter.	_____	_____

- |      |   |       |       |
|------|---|-------|-------|
| 12.4 | To prevent the possibility of contamination and the resulting damage to the hydraulic system, return lines for drive shall have a 10-micron full flow filter with bypass. Cab mounted restriction indicator shall light before bypass begins. | _____ | _____ |
| 12.5 | To prevent contamination when adding hydraulic fluid, all oil added must pass through a 10 micron filter located within the fill spout.   | _____ | _____ |
| 12.6 | For ease and accuracy of testing, all circuits shall have quick-disconnect check ports.   | _____ | _____ |
| 12.7 | To minimize environmental damage caused by leaking fittings, all high pressure fittings shall be flat-face "O" ring type. Other systems shall not be acceptable.  | _____ | _____ |

**13.0 PNEUMATIC SYSTEM**

**COMPLY**  
**Yes   No**

- |      |   |       |       |
|------|---|-------|-------|
| 13.1 | The pneumatic system shall have DOT fittings.   | _____ | _____ |
| 13.2 | There shall be a PR4 type pressure protector for the chassis air system to protect the chassis air system.                              | _____ | _____ |
| 13.3 | A separate air tank for all sweeper air components shall be provided.   | _____ | _____ |
| 13.4 | All pneumatic cylinders shall be interchangeable.   | _____ | _____ |
| 13.5 | All pneumatic cylinders must be rated to 150 PSI and have a separate rod seal and wiper to prevent contamination entering the cylinder. | _____ | _____ |

**14.0 ELECTRICAL SYSTEM**

**COMPLY**  
**Yes   No**

- |      |  |       |       |
|------|--|-------|-------|
| 14.1 | Sweeper electrical system shall be independent from the chassis electrical system.   | _____ | _____ |
| 14.2 | Sweeper shall have an electronic back-up alarm for additional warning and safety when chassis is in reverse.   | _____ | _____ |
| 14.3 | Sweeper lighting shall include rear identification lights, side broom and rear clearance lights.   | _____ | _____ |
| 14.4 | Sweeper wiring harnesses shall be color-coded and hot stamped with appropriate word designation labeled every four inches, i.e. "Ignition", "Side Broom" on each wire. | _____ | _____ |
| 14.5 | For safety, all electrical circuits must be protected by circuit breakers or fuses.  | _____ | _____ |
| 14.6 | Sweeper electrical system shall be independent from the electrical system of the chassis.  | _____ | _____ |
| 14.7 | Sweeper engine shall have one (1) 925 CCA, 12 volt battery.  | _____ | _____ |
| 14.8 | Sweeper engine shall have a 120 amp alternator.  | _____ | _____ |

- |       |  |     |     |
|-------|--|-----|-----|
| 14.9  | Sweeper shall have an electronic back-up alarm for additional warning and safety when chassis is in reverse.   | ___ | ___ |
| 14.10 | Sweeper lighting shall include rear identification lights, side broom and main broom spot lights and rear clearance lights.  | ___ | ___ |
| 14.11 | Sweeper warning lights shall include hydraulic filter restriction, air filter restriction, low spray water, hopper up, hopper full load and voltage.   | ___ | ___ |
| 14.12 | Sweeper wiring harnesses shall be color-coded and hot stamped with appropriate word designation labeled every four inches, i.e. "Ignition", "Side Broom" on each wire.   | ___ | ___ |
| 14.13 | For safety and to avoid damage to the main broom, side broom and elevator, all sweeping components shall automatically raise when transmission is put into reverse.  | ___ | ___ |
| 14.14 | For safety, all electrical circuits must be protected by circuit breakers or fuses.  | ___ | ___ |
| 14.15 | A special metal construction shall be supplied to protect the rear beacon or strobe light.   | ___ | ___ |
| 14.16 | Dual rear flood lights shall be included.  | ___ | ___ |
| 14.17 | A hopper mounted LED beacon with light protector shall be provided.  | ___ | ___ |
| 14.18 | A rear and left hand side camera with a LCD monitor mounted in the cab shall be included.  | ___ | ___ |
| 14.19 | LED rear brake, turn, and tail lamps provide a high degree of lamp visibility as well as significantly longer service life. These LED lamps are designed to have a usable life of up to 100,000 hours. Sealed beam lamps are not acceptable. | ___ | ___ |

**15.0 CONTROLS**

**COMPLY**  
**Yes No**

- |      |   |     |     |
|------|---|-----|-----|
| 15.1 | All sweeper controls shall be mounted on a fixed central console located between the left and right operators position.                                 | ___ | ___ |
| 15.2 | The controls shall include all sweep, hopper, elevator, and lighting functions and shall all be located on the fixed operator control console.          | ___ | ___ |
| 15.3 | The controls for sweep, spray water, and lighting functions shall be conventional rocker switches. 'Membrane' or touch pad switches are not acceptable. | ___ | ___ |

**16.0 SWEEPER INSTRUMENTS**

**COMPLY**  
**Yes No**

- |      |   |     |     |
|------|---|-----|-----|
| 16.1 | Sweeper engine instruments shall include tachometer, hour meter, oil pressure gauge and lamp, low coolant level lamp, voltage, auxiliary engine running lamp, | ___ | ___ |
|------|---|-----|-----|

coolant temperature gauge and lamp, air filter restriction indicator for complete information for the operator on the condition of the auxiliary engine.

16.2 Sweeper instruments shall include a hopper full indicator, main broom down pressure, hydraulic filter restriction indicator, sweeper out of level indicator, no spray water indicator, a "raised" hopper indicator and a "full" hopper indicator to notify the operator of hopper conditions. \_\_\_\_\_ \_\_\_\_\_

16.3 Two in-cab sweeper console mounted gauges that indicate the air pressure being used to hold the side brooms in its down position shall be supplied. There shall be one gauge for each side broom. \_\_\_\_\_ \_\_\_\_\_

**17.0 PAINT**

**COMPLY**  
**Yes No**

17.1 All visible exterior metallic surfaces shall be coated prior to assembly with polyester powder coat. The paint must be a minimum of 2 mils thick. The uses of acrylic enamels and/or polyurethane's are not acceptable. \_\_\_\_\_ \_\_\_\_\_

17.2 Color shall be the manufacture's standard color of "White". \_\_\_\_\_ \_\_\_\_\_

17.3 Vehicle shall have an accent color of Grey on the lower portions of the unit. \_\_\_\_\_ \_\_\_\_\_

**18.0 MANUALS**

**COMPLY**  
**Yes No**

18.1 An operation manual shall be provided. \_\_\_\_\_ \_\_\_\_\_

18.2 A parts manual shall be provided. \_\_\_\_\_ \_\_\_\_\_

18.3 A sweeper service manual shall be provided. \_\_\_\_\_ \_\_\_\_\_

18.4 A Chassis operator's manual shall be provided. \_\_\_\_\_ \_\_\_\_\_

**19.0 WARRANTY**

**COMPLY**  
**Yes No**

19.1 Manufacturer's warranty shall be not less than one (1) year on entire sweeper, including all parts and labor. \_\_\_\_\_ \_\_\_\_\_

19.2 Manufacturer's warranty shall be as stated by the chassis manufacturer on the chassis including all parts and labor. \_\_\_\_\_ \_\_\_\_\_

19.3 Bidders submitting literature stating warranties which do not fully comply with warranty requirements of this specification must submit a letter from the manufacturer certifying warranty compliance as an integral part of their proposal. Failure to comply may cause the proposal shall be deemed "non-responsive" and rejected without further review. \_\_\_\_\_ \_\_\_\_\_

**20.0 SERVICE AND TRAINING**

**COMPLY**  
**Yes No**

20.1 Vendors shall have a full parts and service facility within a reasonable distance from the City. State location and distance.

\_\_\_\_\_

20.2 A qualified technician shall provide complete training to City personnel at the City Garage. Training shall include safety, operation, maintenance and service.

\_\_\_\_\_

**21.0 DELIVERY**

**COMPLY**  
**Yes No**

21.1 Sweeper shall be delivered to the City of Naples in first class operating condition.

\_\_\_\_\_

21.2 Acceptance shall be subject to the inspection and approval of the City.

\_\_\_\_\_

21.3 Bidder shall state delivery time after receipt of order:

\_\_\_\_\_

\_\_\_\_\_

**22.0 QUALITY**

22.1 Sweeper shall be manufactured by a company with a registered quality standard no less than ISO 9001.

\_\_\_\_\_

**23.0 EXCEPTIONS AND DEVIATIONS**

Bidder shall fully describe every variance, exception and/or deviation. Additional sheets may be used if required.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**BID FORM**

TO: City of Naples

The undersigned hereby declares that they have carefully examined the requirements of the specifications contained herein, and propose to furnish and deliver to the City of Naples the apparatus listed below.

**A. ONE (1) New and Unused Mechanical Street Sweeper with Belt Conveyor**

BODY MAKE \_\_\_\_\_ MODEL \_\_\_\_\_ YEAR \_\_\_\_\_

CHASSIS MAKE \_\_\_\_\_ MODEL \_\_\_\_\_ YEAR \_\_\_\_\_

PURCHASE PRICE \$ \_\_\_\_\_

(in words) \_\_\_\_\_

**B. 5-YEAR TURN KEY MAINTENANCE PLAN**

PRICE \$ \_\_\_\_\_

(in words) \_\_\_\_\_

**C. BID TOTAL: A + B = BID PRICE**

TOTAL BID PRICE \$ \_\_\_\_\_

(In words) \_\_\_\_\_

**D. OPTIONAL RETURN VALUE:**

Company Rep. Signature \_\_\_\_\_

Title \_\_\_\_\_

Company \_\_\_\_\_

Address \_\_\_\_\_

Date: \_\_\_\_\_



## CHECKLIST

Description	Enclosed
<b>References</b>	_____
<b>Vacuum Street Sweeper Bid Page</b>	_____
List of Cities using this Model	_____
Servicing and Training (location)	_____
Exceptions and Deviations	_____
<b>Mechanical Street Sweeper Bid Page</b>	_____
List of Cities using Sweeper	_____
Servicing and Training (location)	_____
Exceptions and Deviations	_____
<b>Bid Bond (if necessary)</b>	_____