



REQUEST FOR PROPOSAL

8 CUBIC YARD CLEAN DIESEL REGENERATIVE AIR SWEEPER

RFP # 201819-01

Federal Aid Project CMLNI-5157(105)

October 29, 2018

1. INSTRUCTIONS AND CONDITIONS

- A. No bid proposal will be considered for award unless submitted on the bid form included in this Request for Proposal (RFP). The bid must be fully complete and executed. Bidders shall send four (4) copies of the completed proposals which will include; three (3) bound and one (1) unbound copies with a copy of this RFP attached to the front of each proposal, with appropriate responses included.

Format: Proposal should be 8 ½ x 11 inches, printed two-sided on recycled paper with removable bindings, bound in a single document and organized in sections. Binding can be as simple as a staple. Original and copies may be submitted in one envelope/package.

Each bid proposal, consisting of the original and copies as directed above, must be submitted in a sealed envelope addressed to Rosa Hernandez, Procurement Services Manager, City of Madera, Purchasing Department, 1030 South Gateway Drive, Madera, California 93637, and delivered prior to the time and date specified in this document. Each sealed envelope containing a bid proposal must have, on the outside, the name of the bidder, bidder's address and the statement "DO NOT OPEN UNTIL THE TIME OF BID OPENING" and in addition, must be plainly marked on the outside as follows:

Bid: 8 CUBIC YARD CLEAN DIESEL REGENERATIVE AIR SWEEPER

RFP: 201819-01

Federal Aid Project: CMLNI-5157(105)

Filing Deadline: Tuesday, November 27, 2018 - 3:00 PM

Proposals shall be received as set forth in the advertisement. Proposals received after the scheduled time for opening will be returned to the proposer unopened. The opening of any proposal shall **NOT** be considered as acceptance of the Proposal as a responsive proposal.

- B. The Bid Documents consist of this Request for Proposal and any addenda which may have been issued. Bidder shall thoroughly examine and be familiar with all Bid Documents. Submission of a bid shall constitute bidder's acknowledgment upon which the City may rely that bidder has thoroughly examined and is familiar with the Bid Documents. Failure or neglect of bidder to receive or examine all or part of the Bid Documents shall in no way relieve the bidder from any obligations with respect to this RFP or any resultant award. No claim for additional compensation will be allowed which is based upon a lack of knowledge of any part of the Bid Documents.
- C. Attention of bidders is especially directed to the specifications which, in addition to the bid proposal and these instructions, are the basis for evaluation and will be part of any agreement with the successful bidder. Any deviations from the specifications in this notice shall be proper reason for rejection of all of any part of the bid proposal.
- D. The City reserves the right to reject or accept any or all bids or parts thereof, and to accept or reject the alternatives individually or jointly, for any reason.
- E. The City reserves the right to consider any minor deviations from the specifications and determine the acceptance or rejection of such deviation.

Any proposal may be withdrawn at any time prior to the hour fixed for the opening, provided that a request in writing executed by the proposer or his/her duly authorized representative, for the withdrawal of such proposal is filed with Purchasing-Central Supply. The withdrawal of a proposal shall not prejudice the right of a proposer to file a new proposal prior to the time and date set for the opening. After the expiration of the time and date for receipt of proposals, a proposal may not be withdrawn or altered.

- F. The City of Madera recognizes its policy of providing equal opportunity to all qualified persons and reaffirms its commitment that there shall be no discrimination against qualified applicants, or employees on the basis of race, gender, color, national origin, religion, age, disability, sexual orientation or marital status. The City also specifically encourages interested Disadvantaged Business Enterprises to apply.
- G. The City reserves the right to seek supplementary information from any proposer at any time after official proposal opening and before the award. Such information will be limited to clarification or amplification of information asked in the original proposal.
- H. Issuance of the RFP and receipt of proposals does not commit the City to make an award. The City reserves the right to postpone the RFP process for its own convenience, to accept or reject any or all proposals received in response to this RFP, to negotiate with other than the selected company should negotiations with the selected company be terminated, or to cancel any section of this RFP.
- I. An award will be made as soon as possible after the opening of bids. Bid proposals

shall remain valid for at least sixty (60) days after the opening of bids. No bid proposal may be withdrawn after the bid opening.

- J. Contract shall be in the form of a City of Madera Purchase Order and attachments, including the Request for Proposal and response thereto which shall be a part thereof as though fully set forth therein. The Purchase Order will be very similar in content to Attachment A "Draft" Purchase Order which is provided for information purposes only and to help clarify City intent relevant to this RFP.
- K. There is no expressed or implied obligation for the City to reimburse responding firms for any expenses incurred in preparing proposals in response to this request.
- L. Bidder's Proprietary Information: Upon award, all documents provided by the successful bidder shall become public record. All documents provided by any bidders, other than the successful bidder, shall become public record in their entirety and subject to disclosure, unless said documents are retrieved by the bidder within ten (10) business days of the award. This shall also include but is not limited to documents for projects for which all proposals are rejected and projects for which an award is not made for any reason. In the event that one or more proposals are returned to the bidding parties, it is the intent of the City that such documents shall not become public records of the City unless required by the California Public Records Act or other provisions of law.
- M. The City reserves the right to modify RFP at any time. In the event it becomes necessary to modify or revise the RFP, a written amendment or addenda issued by City's Purchasing-Central Supply Division is the only method which should be relied on with respect to changes to the RFP. Bidder is responsible to contact City's Purchasing-Central Supply Division prior to submitting a bid to determine if any amendments were made to the RFP. Documents, amendments, addenda, etc. will be posted to the Purchasing page of the City's website at <http://www.cityofmadera.ca.gov/purchasing> under Bid Announcement and Results.

No prior, current, or post award verbal conversations or agreements with any officer, agent, or employee of the City shall affect or modify any terms or obligations of this RFP, or any contract resulting from this procurement.

No questions or inquiries should be directed to any individual(s) at the locations detailed in this document. All inquiries should be submitted in writing per the process described in this document.

Questions and suggestions concerning the RFP must be submitted in writing no later than 3:00 P.M. Monday, November 19, 2018. Written questions or inquiries should be e-mailed, mailed or faxed to:

Rosa Hernandez
Procurement Services Manager
City of Madera City

Purchasing-Central Supply
1030 South Gateway Drive
Madera, CA 93637

rhernandez@cityofmadera.com

FAX: (559) 661-0760

- N. Letters of Objection: Any Proposer believing that any part of the RFP, including the specifications and/or the bidding and evaluation procedures, is discriminatory against the Proposer or precludes the Proposer from being given reasonable consideration in the procurement process, must submit a letter ten (10) days prior to the scheduled filing deadline to City's Procurement Services Manager clearly stating the specific objection and the areas of concern to the Proposer and including a proposed method for resolution of such objections. Proposers are cautioned that any such objections not timely raised in the manner specified herein shall not be considered.

2. SPECIFICATIONS

INTENT:

It is the intent of these specifications to describe a conventional chassis which is sufficiently rated to transport a full load of sweeping debris at speeds up to 55 MPH. The chassis shall be equipped with dual steering and operator controls and an automatic transmission. All tires shall be the same size and have dual tires on each side of the rear axle (six-wheel configuration).

These specifications are intended to describe the type, size and quality of one (1) 8 Cubic Yard Clean Diesel Regenerative Air Sweeper which will best meet the needs of the City of Madera. Any bid received that does not contain a bid for diesel equipment will be rejected.

The unit shall be new of current manufacture. No prototype, demo, used, vacuum type, or mechanical type sweepers will be accepted.

All parts not specifically mentioned which are necessary to provide a complete street sweeper shall be included in the bid and shall conform in strength, quality of materials, and workmanship to what is normally provided to the trade in general.

The Owner reserves the right to consider "or equal" components that are substantially equal or better in every respect to that so indicated or specified in the sweeper specifications. Decisions of or equal or equivalency will be at the sole interpretation of the City of Madera.

TERMS:

All equipment furnished under this contract shall be new, unused, and the same as the

manufacturer's current production model. Accessories not specifically mentioned herein, but necessary to furnish a complete unit ready for use, shall also be included. Unit shall conform to the best practice known to the body trade in design, quality of material and workmanship. The equipment furnished shall conform to all ANSI Safety Standards. Extra Heavy Duty (E.H.D.) as applied in this bid is interpreted to mean that the item to which it applies shall exceed the usual quality, capacity, strength and/or durability of standard productions items as required in street sweeper service.

The City reserves the right to reject any or all proposals or portions thereof. The right is also reserved to waive any minor irregularities ion the RFP. The City will Award to the lowest responsible Bidder whose proposal is the most advantageous to the City from the standpoint of suitability to purpose, quality, service, previous experience, price, date of delivery, and to accept the bid that is in the best interest of the City.

INFORMATION FOR BIDDERS:

All equipment must be PM-10 certified. All equipment must be legal to use on Federal and State Highways, must conform in all respects to the State of California Industrial Safety Orders, the Motor Vehicle Code, California Highway Patrol Regulations and must meet all Environmental Protection Agency Standards and Regulations.

Completed unit to be delivered to the City of Madera, City Yard, 1030 South Gateway Drive, Madera, California, 93637.

Prices quoted shall exclude all Federal Excise Tax.

Prices quoted shall include applicable State tax.

Bids must be submitted on the forms supplied by the City of Madera and include all applicable taxes and charges. It is required that the manufacturer's complete measurements and specifications be submitted and made a part of the bid.

Supplier shall keep records of parts used in the manufacture of the specified equipment and shall provide two copies to the City, of any improvement or modification that may improve the specified equipment.

Minimum requirements are detailed in these specifications. All dimensions, sizes, dates, and expressions of quality are minimum specifications, unless otherwise stated.

Bidders must indicate compliance for each item throughout the bid by writing "YES" or "NO". Failure to do so may be cause to reject the bid. All "NO" answers must be fully explained on the Exception to Specification Form and be attached to and submitted with bid. Failure to explain "NO" answers may be cause to reject bid.

SECTION A - CHASSIS

CHASSIS (2018 or newer Model Year Freightliner M2 (Dual) OR EQUAL):

Compliance

- _____ 1. Chassis will be conventional design with a minimum 33,000 GVW rating. State chassis make, model and point of manufacture
- _____ 2. Wheelbase shall not exceed 176 inches.
- _____ 3. Cab to axle shall be not more than 106 inches.
- _____ 4. 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. Two frame mounted front tow hooks shall be provided
- _____ 6. One- (1) 25-gallon fuel tank shall be provided for single engine models. Dual engine models shall share one 50-gallon fuel tank. All tanks shall be easily accessible without raising or shifting any components. A fuel gauge, in cab, shall be supplied. Sight tube is not acceptable.
- _____ 7. Diesel emissions shall be EPA 2018, with on-board diagnostics (OBD) and have a minimum capacity of 6 U.S. gallons diesel emissions fluid

CHASSIS ENGINE:

- _____ 1. Truck engine shall be 2018 California Air Resources Board Emission Compliant, Cummins ISB 6.7-200 or equivalent, turbocharged diesel, 200 HP @ 2300 RPM, 520ft-lbs. @ 1600 RPM.
- _____ 2. Truck engine shall be equipped with a single vertical exhaust system. Exhaust shall not extend above top of sweeper housing.
- _____ 3. Engine shall be equipped with block heater.
- _____ 4. Radiator fan shall be viscous drive type.

AUXILIARY ENGINE: (OPTIONAL)

- _____ 1. If equipped, auxiliary engine to be mounted on sweeper for easy access and to minimize noise levels in cab during sweeping operation.
- _____ 2. The sweeper power unit shall be a diesel fueled, water cooled, CARB tier 4 Final emissions certified, industrial engine. Engine output shall not be less than 275 lb./ft of torque, developing not less than 99 HP @ 2400 RPM.
- _____ 3. If equipped, auxiliary engine shall incorporate a diesel fuel system that is B20

diesel compatible.

- _____ 4. 12 volt ignition, electric starter and minimum 95 amp alternator with charge indicator gauge mounted on control console in cab.
- _____ 5. Electric linear actuator/revolution limiter for power unit throttle control.
- _____ 6. A suitable size work platform will be provided to allow safe access to auxiliary engine area if the auxiliary engine placement, chassis wheelbase, and sweeper configuration provides sufficient area to allow a work platform to be installed.
- _____ 7. Access will be accomplished from the ground level by steel steps covered with anti-skid grating and proper size grab handle to insure maximum safe entry and exit from work platform.
- _____ 8. Work platform, if installed, will have suitable safety rails to provide a safe work area.

TRANSMISSION, AXLES, WHEELS & BRAKES:

- _____ 1. An Allison 2500 RDS series (or approved equal) automatic transmission shall be provided.
- _____ 2. Sweeper shall include a rear axle having a gear ratio properly suited for engine/chassis configuration and capable of maintaining speeds appropriate for maximum sweeping efficiency.
- _____ 3. Front axle shall be minimum 12,000 lb. and be equipped with taperleaf front suspension and shock absorbers.
- _____ 4. The rear axle shall be 21,000 lb. or greater.
- _____ 5. For safety, and to allow the emergency interchange of tires at a job site, the front and rear tires and rims shall be interchangeable.
- _____ 6. Tires shall be tubeless radial tires 14 ply 11R 22.5 "G" load rated. The rear axle shall include dual tires for load capacity; singles will not be acceptable.
- _____ 7. Rims shall be 10 hole steel hub piloted 22.5 x 8.25
- _____ 8. Parking brake shall be spring applied rear wheel drum and shoe.
- _____ 9. Brakes shall be full air brakes S Cam with 18.7 CFM capacity compressor, with automatic slack adjusters and ABS.
- _____ 10. Air system shall include a Bendix AD-9 air dryer with heater.

CAB:

- _____ 1. Maximum visibility, forward line of sight from the chassis front bumper to the point on the ground visible to the operator shall not exceed 8 feet for an SAE 98th percentile size operator.
- _____ 2. Steering shall be full power with dual operator controls.
- _____ 3. Seats shall be adjustable, high back, covered with cloth for air circulation and include 3 point seat belts. Seats shall be air ride on both sides.
- _____ 4. Sweeper shall include two (2) heated and remote control, outside west coast type mirrors with lower 8 inch convex lens for easy viewing of the side broom during sweeping.
- _____ 5. To maximize operator visibility of the curb and sweeping gear, a 12" outside RH and LH fender mirror shall be mounted forward of the front wheels.
- _____ 6. For safety during night sweeping, switches shall be illuminated so that they can be readily identified without the use of the cab dome light.
- _____ 7. Switches shall be clearly identified by name and symbol.
- _____ 8. Cab interior environment shall be fully air-conditioned including a fresh air heater/ventilator/defroster.
- _____ 9. Cab shall have full flow through ventilation for optimal temperature control and operator comfort.
- _____ 10. Wipers shall have intermittent feature.
- _____ 11. Interior of cab shall have acoustical insulation for low operating noise, automotive type trim, and center sweeper console.
- _____ 12. All glass shall be tinted safety glass.
- _____ 13. Each operator position shall have adjustable sun visor.
- _____ 14. Doors shall be equipped with keyed alike locks.
- _____ 15. Door windows shall be roll up type.
- _____ 16. Side windows shall have defogger.
- _____ 17. Cab shall include two 12V power supplies
- _____ 18. Radio shall be factory AM/FM with standard speakers.
- _____ 19. Dual Electric horns shall be provided.

_____ 20. Adjustable tilt steering wheel

INSTRUMENTS:

- _____ 1. 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.
- _____ 2. Chassis right side operator instrument panel shall be chassis OEM, full vision illuminated with tachometer, speedometer, fuel gauge, water temperature gauge, oil pressure gauge, transmission temperature gauge, air pressure gauge, and volt gauge.
- _____ 3. Chassis engine instruments shall include warning light and chime for low coolant level, low oil level, and high coolant temperature to warn the operator of a potential problem before any damage to the engine occurs.
- _____ 4. Console shall have left/right primary driver switch.
- _____ 5. Hydraulic functions shall be controlled by rocker switches located in the cab mounted control panel.
- _____ 6. Truck instruments shall include warning lights for battery.
- _____ 7. All console switches including transmission controls and all gauges shall be illuminated.
- _____ 8. Intake mounted air restriction indicator with graduations.

ELECTRICAL:

- _____ 1. Batteries should be located in an enclosed accessible environment for long life and ease of service.
- _____ 2. Chassis shall have two (2) maintenance free batteries rated at not less than 1850 CCA total, 12 volt.
- _____ 3. Chassis engine shall have a 160 amp alternator
- _____ 4. 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. Chassis lighting shall include gutter broom spot light on each side, and two rear mounted work lights.

OTHER CAB ACCESSORIES:

- _____ 1. Unit to include 17” Catwalk behind cab to facilitate access to auxiliary engine, if applicable.

SECTION B – SWEEPER MODULE:

SWEEPER GENERAL:

Compliance

- _____ 1. Sweeper shall be new PM-10 certified regenerative air street sweeper.
- _____ 2. The sweeper shall be equipped with a variable speed device (Single engine models only) approved at 560 ft-lb of input torque and 240 (179 kW) of input power. The variable speed device uses the chassis engine to power the chassis propulsion and the sweeper components.
 - _____ a. The variable speed device shall be located between the chassis engine and the transmission for maximum efficiency.
 - _____ b. The variable speed device shall be capable of directly driving hydraulic pumps without the use of auxiliary Power Take Off's (PTO's) or belt drive systems.
 - _____ c. The variable speed device shall be a planetary gearbox design; varies the input to output ratio. The system provides variable sweep speed operation through the chassis transmission and also directs engine powered PTO for the sweeper components.
 - _____ d. The variable speed device "speed" control pump shall operate directly off the chassis engine coupling in all modes - "Work Mode" or "Road Mode". This pump shall provide variable operating flow - managing the ratio of input to output - for the variable speed device. The system shall include an electronic control module which manages pump flow.
 - _____ e. The variable speed device shall operate directly off of the chassis engine coupling in all modes - "Work Mode" or "Road Mode". For the sweeper, the variable speed device PTO shall power a blower drive and sweeper pump through a conventional drive shaft.
- _____ 3. To accommodate both easy access and sound attenuation, the front cowling shall be enclosed on both sides by two access doors, one on each side of the sweeper body. These doors provide access to serviceable items without tilting the hopper.

- _____ 4. Front cowling and access doors shall use Quiet Pak™ acoustical insulation to sustain minimal ambient noise levels.

BLOWER:

- _____ 1. Blower shall be hydraulically or belt driven. Hydraulically driven blowers shall be directly coupled to its motor to maximize efficiency. Minimum operating speed of the fan must be at least 3,300 RPM. Belt driven blowers shall be driven by a five (5) "V" groove power belt for maximum performance and simplicity of construction, with manual tension adjustment not requiring repositioning of the engine.
- _____ 2. The blower housing shall be constructed of 10 gauge steel and lined with Linatex (or equal) for maximum extended wear in abrasive environments.
- _____ 3. Blower housing shall have an inspection door for quick inspections without removing the blower housing or looking into the air exhaust opening.
- _____ 4. Blower housing shall not be an integral part of the hopper. Replacement of the blower housing must be possible without any cutting and/or welding of the housing and or hopper.
- _____ 5. The blower must not be directly exposed or open to the dust separator to preclude carry-over of material from the separator into the blower and blower housing.
- _____ 6. The (optional) single-engine system, driven by the variable speed device, shall provide all horsepower for blower speed to effectively convey the bulk of material into the debris hopper; debris types such as but not limited to trash, sand, gravel, dirt, leaves and other organics.
- _____ 7. Blower shall be a closed face turbine type, constructed of steel for optimal combination of hardness and abrasion resistance for maximum service life. An open-faced blower is not acceptable.
- _____ 8. The blower shall be mounted and supported on both sides by heavy-duty greasable bearings. Greasing of the bearings must be possible from ground level, without tilting the hopper. Only greasable bearings are capable of tolerating the blower speeds required to produce simultaneous high air flow and high vacuum levels.

PICKUP HEAD:

- _____ 1. The pickup head is a spring-supported, all steel fabricated pickup head with separated upper and lower chambers where pressurized air is blasted from the upper chamber through an elongated blast orifice, to the lower vacuum chamber.
- _____ 2. The pickup head shall not be less than 90 inches wide and 30 inches long for a

total area of 2700 square inches.

- _____ 3. The pickup head shall have a minimum of 14 inch diameter pressure hose that connects the blower outlet with the pickup head.
- _____ 4. The pickup head shall have a minimum 12 3/4 inch diameter suction hose with a quick disconnect coupling at the lower end near the pickup head. The quick disconnect enables the operator to inspect the suction hose as well as the inlet area of the pickup head without tilting the hopper.
- _____ 5. The pressure side shall be equipped with a pressure relief valve/vacuum enhancer/leaf bleeder, for optimum leaf and light debris sweeping.
- _____ 6. The front and rear debris curtains shall be removable without removing the pickup head from the unit.
- _____ 7. Sweeping paths: Pickup head only = 90 inches
One side broom and pickup head = 117 inches
Two side brooms and pickup head = 144 inches
- _____ 8. The pickup head shall be equipped with side mounted adjustable steel runners with carbide inserts with a minimum width of 1 1/8 inches for long life
- _____ 9. The pickup head shall be raised and lowered hydraulically by a rocker switch on the control panel inside the cab.

BROOMS:

- _____ 1. The right and left side broom shall be a free floating trailing arm design intended to prevent damage when sweeping and encountering a fixed obstacle.
- _____ 2. The side brooms shall be 42-inch diameter minimum, with hydraulically driven rotation.
- _____ 3. Brooms shall be pneumatically or hydraulically raised, lowered and suspended.
- _____ 4. Adjustable down pressure shall be controlled by the operator from the cab in order to maintain proper surface contact consistently during vertical broom travel.
- _____ 5. The broom hydraulic motor drive shall provide not less than 6045 in-lbs. of torque for superior digging power and speed.
- _____ 6. The side broom assemblies shall have greasable pivot pins.
- _____ 7. The side broom assemblies shall be held in the storage position by a positive means to support broom during travel.

- _____ 8. Each side broom shall be controlled from in the cab by rocker switches.
- _____ 9. When extended, brooms shall not exceed 60 inches from center of **FRONT** hub to center of broom head as measured along a line between the front and rear hubs oriented perpendicular to the front and rear axles.
Note: No exception to specification will be accepted for this item.

HOPPER:

- _____ 1. Volumetric capacity shall be approximately 8 cubic yards class hopper.
- _____ 2. Hopper shall be constructed of 10 gauge steel sides, and ¼ in. steel floor.
- _____ 3. The hopper floor angle when dumping shall be a minimum of 50°. Dumping shall be accomplished by tilting the hopper. Dump cylinder must have capacity to tilt and dump with full hopper.
- _____ 4. The hopper floor angle shall be a minimum of 10 ° to assist in easy dump off of debris.
- _____ 5. The hopper shall have an external hopper prop. No exception to this feature shall be accepted.
- _____ 6. The hopper rear door shall be hinged at the top and opened by means of a hydraulic cylinder. The hopper door shall open first prior to tilting the hopper. The hopper rear door should open at a minimum angle of 90 ° and be perpendicular to the hopper opening for maximum dumping action.
- _____ 7. Hydraulic cylinder movement shall be controlled by two hydraulic valve levers located on the right-hand side of the hopper to view discharging of debris out of the hopper during dumping for maximum safety.
- _____ 8. The rear hopper door shall have an external door prop. No exception to this feature shall be accepted.
- _____ 9. 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. 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.
- _____ 11. Two 34½" x 43½" screens, for a total screen area 3000 square inches, of not less than 11 gauge steel shall be installed to allow air to move freely from the hopper into the centrifugal dust separator. The hopper screens shall be hinged and easily lowered for cleaning and inspection without tools or pin's removal.

DUST SEPERATOR:

- _____ 1. Dirt separation from the air stream shall be accomplished by means of a Labyrinth style dust separator that is installed at the air outlet of the hopper. The separator shall be designed so that it will not plug with debris.
- _____ 2. To allow inspection and cleaning of the separator interior, the dust separator shall have minimum of two hinged inspection doors. Both doors are self-opening when tilting the hopper.
- _____ 3. To allow automatic discharge of debris when tilting the hopper, the dust separator shall have a self-opening door made of abrasion resistant steel. Cable or other manual/mechanical means required for discharging the separator are not allowed.

SPRAY WATER SYSTEM:

- _____ 1. The water tank shall be a removable, 240 gal. total capacity. Constructed of rust-proof polyethylene.
- _____ 2. A 16 ft. 8 inch fill hose with NST coupling with strainer shall be supplied.
- _____ 3. A water level gauge shall be provided on the control console within the cab.
- _____ 4. All water lines shall be color coded for easy identification.
- _____ 5. The water filter must be accessible and cleanable from ground level without tilting the hopper. A ball valve must be provided at the filter inlet to allow cleaning of the filter without the loss of water from the water tank.
- _____ 6. All water piping shall be external to the operator cab. No water lines capable of leaking or bursting shall be within the cab.
- _____ 7. Three (3) water spray nozzles are located at each side broom for optimal dust control. A pivoting bracket is provided to allow for optimum positioning of the side broom spray nozzles.
- _____ 8. Seven (7) easily removable water spray nozzles are located inside the pickup head. Water spray nozzles that spray only on the outside of the pickup head are not acceptable.
- _____ 9. Three (3) removable water spray nozzles are located at the lower portion of the suction hose for lubrication of the suction hose and to further enhance dust control.
- _____ 10. Two electric 12 volt, diaphragm type pumps will provide a capacity for 8 GPM @ 40PSI to the pickup head, the suction hose and the side brooms.

- _____ a. One water pump is dedicated to supplying water to the pickup head and the suction hose for dust control.
- _____ b. One water pump is dedicated to the side brooms for dust control.
- _____ 11. Each water pump must have two flow rates, selectable by the operator from within the cab and capable of running dry without damage.

HYDRAULIC SYSTEM:

- _____ 1. Hydraulic pump shall be a gear driven, gear style pump for maintenance free operation, having a minimum flow capacity of 22.5 GPM @ 3400 RPM. This shall be used for the sweeper brooms, hopper dump, and pickup head raise/lower system.
- _____ 2. Reservoir capacity shall be not less than 23 gallons and have an exterior sight gauge. The reservoir must be located for quick inspections without tilting the hopper.
- _____ 3. All hydraulic circuits shall have quick disconnect pressure check ports for ease of maintenance.
- _____ 4. Hydraulic oil cooler shall be standard to provide adequate cooling with fresh air intake and accessible without raising the hopper. The hydraulic system shall operate below 200°F.
- _____ 5. To minimize the hazards of potential leakage, all high pressure fittings shall be O-Ring Face Seal (ORFS) type.
- _____ 6. Hydraulic system shall have 10 micron spin on filter.

PNEUMATIC SYSTEM:

- _____ 1. There shall be a PR4 protector type pressure protector for the chassis air system
- _____ 2. A separate air tank for the sweeper air components shall be provided.
- _____ 3. All pneumatic cylinders shall be interchangeable.
- _____ 4. Each cylinder shall be controlled by a single, two position, solenoid valve mounted on a manifold with common input and exhaust.
- _____ 5. There shall be a filter with a polycarbonate bowl to filter out contaminants down to 5 microns to prevent contamination in the air system.

ELECTRICAL SYSTEM:

- _____ 1. Sweeper shall have an electronic back-up alarm for additional warning and safety when chassis is in reverse.
- _____ 2. Sweeper shall have a top beacon, four corner strobes, and a Whelen Model TACF85 traffic advisor with control head.
- _____ 3. Sweeper lighting shall include rear identification lights and rear clearance lights.
- _____ 4. Sweeper warning lights shall include hopper up, hopper door open and hopper full load.
- _____ 5. Sweeper wiring harnesses shall be color-coded and "function stamped" with appropriate circuit name every four inches, i.e. "Ignition", "Side Broom" on each wire.
- _____ 6. All electrical circuits must be protected by automotive style blade fuses.
- _____ 7. All lights should be LED style.

CONTROLS:

- _____ 1. All sweeper controls shall be mounted on a stationary central console that allows for use and visibility from either right or left positions.
- _____ 2. The controls shall include sweep, spray water and lighting functions.
- _____ 3. The controls for sweeping, spray water, and lighting functions shall be rocker switches.
- _____ 4. Controls for sweep system shall include sweep/resume feature; allowing the automatic raise of side brooms and pickup head when chassis transmission gear selector is put into reverse, or with push of one button in cab.

INSTRUMENTS:

- _____ 1. If applicable, 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, visible from both operator positions.
- _____ 2. Sweeper engine instruments shall include an auxiliary engine air intake restriction gauge for ease of maintenance.
- _____ 3. Sweeper instruments shall include diagnostic information for the sweeper engine and sweeper functional information to include water level, sweeping mode and

transport mode.

- _____ 4. Sweeper instruments shall include a "raised" hopper indicator, an "open" hopper door indicator and a "full" hopper indicator to notify the operator.

PAINT:

- _____ 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.
- _____ 2. Exterior color of cab and sweeper shall be factory white and the interior grey.
- _____ 3. Vehicle shall have an accent color of Grey or Black on the components and lower portions of the unit.

MANUALS:

- _____ 1. Two (2) copies of the operation manual shall be provided.
- _____ 2. A parts manual shall be provided (chassis, packer, hydraulic, electric systems).
- _____ 3. Maintenance manual, preferably in CDROM format if available.
- _____ 4. Two (2) copies of the lubrication chart.

WARRANTY:

- _____ 1. Manufacturer's warranty shall be not less than one (1) year on entire sweeper, including all parts and labor.
- _____ 2. Manufacturer's warranty shall be not less than three (3) years on chassis engine, including all parts and labor.
- _____ 3. Manufacturer's warranty shall be not less than lifetime protection against rust-through of the water tank.
- _____ 4. Documentation of all Warranty & Extended Warranties offered

SERVICE AND TRAINING:

- _____ 1. Vendors shall have a full parts and service facility within a reasonable distance from the City of Madera. State location and distance.
- _____ 2. A qualified technician shall provide complete training to City of Madera personnel at the City of Madera Public Works yard. Training shall include safety, operation,

maintenance and service.

DELIVERY:

- _____ 1. Sweeper shall be delivered F.O.B. City of Madera in operating condition.
- _____ 2. Acceptance shall be subject to the inspection and approval by the City.

QUALITY:

- _____ 1. Sweeper shall be manufactured by a company with a registered quality standard no less than ISO 9001.

OPTIONAL ITEMS:

The City of Madera may choose, at its sole discretion, to add any or all of the optional items to this purchase. Bidder shall state the amount to be added to the Bidder's Proposal, should each item be selected.

Cost

- \$_____ 1. Life Liner – hopper liner guaranteed for life of machine.
- \$_____ 2. Front spray bar
- \$_____ 3. Backup Camera
- \$_____ 4. Auxiliary hydraulic pump

3. 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. 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 sweeper manufacturer's brochures must have written chassis manufacturer approval 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.

4. FORM OF BIDS

- A. Purchase price shall include all costs, options and delivery or freight charges. In addition to the bid page included in this RFP, proposer shall attach a detailed breakdown of costs.
- B. Price should not include any Federal Excise Taxes, if they can be identified. An exemption certificate will be provided, if necessary.

DELIVERY: Prior to delivery, merchandise shall be inspected by the dealer.

Approximate Delivery Date: _____

TITLE SHALL PASS AT POINT OF DELIVERY. FOR ITEMS DELIVERED TO CITY OF MADERA, SALES TAX IS 8.25%.

5. NOTICE TO CONTRACTOR OF SPECIAL PROVISIONS

Energy Conservation Requirements

Energy Conservation - The contractor agrees to comply with mandatory standards and policies relating to energy efficiency which are contained in the state energy conservation plan issued in compliance with the Energy Policy and Conservation Act.

No Obligation by the Federal Government

The Purchaser and Contractor acknowledge and agree that, notwithstanding any concurrence by the Federal Government in or approval of the solicitation or award of the underlying contract, absent the express written consent by the Federal Government, the Federal Government is not a party to this contract and shall not be subject to any obligations or liabilities to the Purchaser, Contractor, or any other party (whether or not a party to that contract) pertaining to any matter resulting from the underlying contract.

Suspension and Debarment

1. This contract is a covered transaction for purposes of 49 CFR Part 29. As such, the contractor is required to verify that none of the contractor, its principals, as defined at 49 CFR 29.995, or affiliates, as defined at 49 CFR 29.905, are excluded or disqualified as defined at 49 CFR 29.940 and 29.945.
2. The contractor is required to comply with 49 CFR 29, Subpart C and must include the requirement to comply with 49 CFR 29, Subpart C in any lower tier covered transaction it enters into.
3. By signing and submitting its bid or proposal, the bidder or proposer certifies as follows:
4. The certification in this clause is a material representation of fact relied upon by **City of Madera**. If it is later determined that the bidder or proposer knowingly rendered an erroneous certification, in addition to remedies available to **City of Madera**, the Federal Government may pursue available remedies, including but not limited to suspension and/or debarment. The bidder or proposer agrees to comply with the requirements of 49 CFR 29, Subpart C while this offer is valid and throughout the period of any contract that may arise from this offer. The bidder or proposer further agrees to include a provision requiring such compliance in its lower tier covered transactions.

Disadvantaged Business Enterprises

This contract is subject to the requirements of Title 49, Code of Federal Regulations, Part 26, *Participation by Disadvantaged Business Enterprises in Department of Transportation Financial Assistance Programs*. The national goal for participation of Disadvantaged Business Enterprises (DBE) is 10%. The agency's overall goal for DBE participation is **0 %**. A separate contract goal **has not** been established for this procurement.

Breaches and Dispute Resolution

Disputes - Disputes arising in the performance of this Contract which are not resolved by agreement of the parties shall be decided in writing by the authorized representative of the City's Project Manager. This decision shall be final and conclusive unless within [ten (10)] days from the date of receipt of its copy, the Vendor mails or otherwise furnishes a written appeal to the Project Manager. In connection with any such appeal, the Vendor shall be afforded an opportunity to be heard and to offer evidence in support of its position. The decision of the Project Manager shall be binding upon the Vendor and the Vendor shall abide by the decision.

Performance During Dispute - Unless otherwise directed by City, Vendor shall continue performance under this Contract while matters in dispute are being resolved.

Claims for Damages - Should either party to the Contract suffer injury or damage to person or property because of any act or omission of the party or of any of his employees, agents or others for whose acts he is legally liable, a claim for damages therefor shall be made in writing to such other party within a reasonable time after the first observance of such injury or damage.

Remedies - Unless this contract provides otherwise, all claims, counterclaims, disputes and other matters in question between the City and the Vendor arising out of or relating to this agreement or its breach will be decided by arbitration if the parties mutually agree, or in a court of competent jurisdiction within the State in which the City is located.

Rights and Remedies - The duties and obligations imposed by the Contract and incorporated documents and the rights and remedies available thereunder shall be in addition to and not a limitation of any duties, obligations, rights and remedies otherwise imposed or available by law. No action or failure to act by the City or Vendor shall constitute a waiver of any right or duty afforded any of them under the Contract, nor shall any such action or failure to act constitute an approval of or acquiescence in any breach thereunder, except as may be specifically agreed in writing.

Non-Collusion Affidavit to be Executed by Bidder and Submitted with Bid

The undersigned [Contractor] certifies, to the best of his or her knowledge and belief, that:

1. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
2. If any funds other than Federal appropriated funds have been paid or will be paid to any person for making lobbying contacts to an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form--LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions [as amended by "Government wide Guidance for New Restrictions on Lobbying," 61 Fed. Reg. 1413 (1/19/96). Note: Language in paragraph (2) herein has been modified in accordance with Section 10 of the Lobbying Disclosure Act of 1995 (P.L. 104-65, to be codified at 2 U.S.C. 1601, *et seq.*.)]
3. The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31, U.S.C. § 1352 (as amended by the Lobbying Disclosure Act of 1995). Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

[Note: Pursuant to 31 U.S.C. § 1352(c)(1)-(2)(A), any person who makes a prohibited expenditure or fails to file or amend a required certification or disclosure form shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such expenditure or failure.]

The Contractor, _____, certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, the Contractor understands and agrees that the provisions of 31 U.S.C. A 3801, *et seq.*, apply to this certification and disclosure, if any.

_____ Signature of Contractor's Authorized Official
_____ Name and Title of Contractor's Authorized Official
_____ Date

**NONLOBBYING CERTIFICATION
FOR FEDERAL-AID CONTRACTS**

The prospective participant certifies, by signing and submitting this bid or proposal, to the best of his or her knowledge and belief, that:

- (1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
- (2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure of Lobbying Activities," in conformance with its instructions.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by Section 1352, Title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

The prospective participant also agrees by submitting his or her bid or proposal that he or she shall require that the language of this certification be included in all lower tier subcontracts, which exceed \$100,000 and that all such subrecipients shall certify and disclose accordingly.

* * * * *

**CITY OF MADERA
BID PROPOSAL
8 CUBIC YARD CLEAN DIESEL REGENERATIVE AIR SWEEPER
RFP #201819-01
Federal Aid Project CMLNI-5157(105)**

Bidder hereby proposes to deliver to the City of Madera, 1030 South Gateway Drive, Madera, California, new equipment in accordance with the published specifications for the following prices.

MANUFACTURER _____ MODEL _____

Purchase Price		\$ _____
	Subtotal	\$ _____
	Applicable Taxes	\$ _____
	TOTAL PURCHASE PRICE	\$ _____

ADDENDA

This Proposal is submitted with respect to the changes to the contract included in addenda number/s

(Fill in addenda numbers if addenda have been received and insert, in this Proposal, any Engineer's Estimate sheets that were received as part of the addenda.)

**CITY OF MADERA
BID PROPOSAL AUTHORIZATION
8 CUBIC YARD CLEAN DIESEL REGENERATIVE AIR SWEEPER
RFP #201819-01
FEDERAL AID PROJECT CMLNI-5157(105)**

DATE _____

COMPANY NAME _____

STREET ADDRESS _____

CITY / STATE / ZIP _____

PHONE NUMBER _____

EMAIL _____

PERSON PREPARING BID _____

POSITION _____

SIGNATURE _____

(THE BIDDER'S EXECUTION ON THE SIGNATURE PORTION OF THIS PROPOSAL SHALL ALSO CONSTITUTE AN ENDORSEMENT AND EXECUTION OF THOSE CERTIFICATIONS WHICH ARE A PART OF THIS PROPOSAL)

