

ADDENDUM NO. 1

To: All Prospective Bidders
From: James W. Davidson, P.E., Centurion Planning and Design, LLC.
CC: Lenny Llerena, Victoria Regional Airport
Date: August 17, 2026
Subject: **Victoria Regional Airport, Airport Sweeper Acquisition, Addendum No. 1**

Attention of all Prospective Proposers is directed to the following modifications to referenced Bidding Documents and Technical Specifications. This Addendum becomes a part of Contract Documents and modifies original Contract Documents dated August 2026. Please find attached the required addendum for the above-mentioned project. Below are the listed changes made.

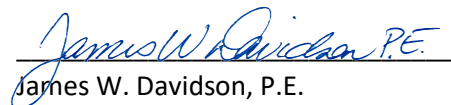
1. Attachment A contains the Questions and Answers Memo addressing questions submitted during project advertisement.
2. Attachment B contains the revised project bid documents. These documents replace Section 6 – Airport Pavement Sweeper Specifications contained in pages 29 to 39 of the original bid documents.
3. Attachment C contains the revised Specifications Checklist contained in Attachment B of the original bid documents (sheets 1-12).

Attachments:

Attachment A – Questions and Answers Memo

Attachment B – Revised Bid Document Section 6 – Airport Pavement Sweeper Specifications

Attachment C – Revised Bid Document Specifications Checklist


James W. Davidson, P.E.

Attachment A

QUESTIONS AND ANSWERS

To: All Prospective Bidders
From: James W. Davidson, P.E., Centurion Planning and Design, LLC.
CC: Lenny Llerena, Victoria Regional Airport
Date: August 17, 2026
Subject: **Victoria Regional Airport, Airport Sweeper Acquisition,
Bidder Questions and Answers**

Attention of all Prospective Proposers is directed to the following questions that were brought to the Engineers attention during project advertisement. Below each question is the provided answer in an attempt to provide clarity to the project. Please find the list of questions and answers below.

Submitted Questions

Q1: Is the project to be funded using FAA Funding

A1: Yes, FAA funding is being utilized for sweeper acquisition.

Q2: The performance requirements in Section 3.3.4 (including Sections 3.3.4.1 and 3.3.4.6) appear to be based primarily on testing procedures contained in outdated and cancelled specifications. Because these specifications are obsolete, manufactures generally do not maintain independent third-party testing with these legacy test procedures. Can these specifications be removed from the bid requirements?

A2: Yes, section 3.3.4 has been updated (including removal of Sections 3.3.4.1 to 3.3.4.6) in the bid specifications. In lieu of these requirements, performance certification testing in compliance with FAA Advisory Circular 150/5210-24A has been added into Section 3.3.4. Please see the updated bid items in Attachment B and Attachment C of Addendum No. 1.

Q3: Does the sweeper need to have dual steering (left and right sides)?

A3: Sweeper only needs to have single-side steering. No dual steering is required.

Attachment B

SECTION 6 – AIRPORT PAVEMENT SWEEPER SPECIFICATIONS

1. GENERAL SPECIFICATIONS

1.1. GENERAL

The specification herein states the minimum requirements of the proposed airfield sweeper. All bids must be regular in every aspect. Unauthorized conditions, limitations, or provisions shall be cause for rejection. Bids will be considered as “irregular” or “non-responsive” if the bid is not prepared and submitted in accordance with the bid document and specification, or any bid lacking sufficient technical literature to enable 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 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.

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 County of Victoria and Victoria Regional Airport. A blanket statement that equipment proposed will meet all requirements will not be sufficient to establish equivalence. **The “New Airport Pavement Sweeper Specifications Checklist” (Attachment B) and the original manufacturer’s brochures of the proposed unit are to be submitted with the proposal.**

All modifications made to the standard production unit described on 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.

The Airport 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.

The Airfield Sweeper shall be as manufactured by Tymco Model HSP Regenerative Air Airport Pavement Sweeper, or Owner approved equal.

1.2. OPERATION AND MAINTENANCE MANUALS

1.2.1. Operation and Maintenance Manuals

Operations and Maintenance Manuals shall be provided. Manual shall be presented to the owner on or before the delivery date. The manual shall be updated by supplement to reflect any field changes, equipment changes due to warranty, etc., that are made during the warranty period of the system so that the manuals shall reflect “as-built” information.

The Manuals shall include at minimum the following information:

1. Normal system start-up and shutdown procedures
2. Detailed description of operation and troubleshooting of the Sweeper
3. Recommended Spare Parts List

The Operation and Maintenance manuals shall be bound and supplied in four (4) complete copies.

The Contractor / Vendor shall develop and provide to the Owner, written documentation on recommended preventative maintenance actions.

The Contractor / Vendor shall develop and provide to the Owner, written documentation on recommended cleaning procedures, including solvent types and tools.

The Contractor / Vendor shall develop and provide to the Owner, written documentation on regularly scheduled maintenance inspection procedures. A focus on sensitive equipment and schedule timelines shall be included in the documentation.

1.2.2. Operation and Maintenance Training

For self-propelled, mechanical FOD removal equipment, the Contractor / Vendor shall provide trained personnel at the time of delivery to adequately train airport staff in the operation and maintenance of the equipment.

Training must include written operating instructions that depict the step by step operational use of the equipment. Written instruction must include, or be supplemented by, materials which can be used to train subsequent new operators.

Training topics shall include troubleshooting and problem solving, in the form of theory and hands-on training, for personnel designated by the purchaser.

A minimum of 4 hours of training for every airport personnel and technician on the purchaser's maintenance staff must be provided by the Contractor / Vendor.

Training time per day must not exceed 8-hour shifts, unless otherwise specified. It is understood that the times and durations of the classes may involve irregular hours in order to provide training operation and maintenance personnel on different shifts.

Upon completion of training, the Contractor / Vendor shall issue each participant a Certificate of Completion.

1.3. WARRANTY

The Manufacturer's warranty shall, at a minimum, meet the following requirements:

- Two (2) year/unlimited mileage complete coverage on chassis, engine, and drive train
- One (1) year complete coverage on entire sweeper

All warranty items include required parts and labor, shipping costs, and any other cost associated with the work to repair a warranty item at the Airport.

Bidders submitting literature stating warranties which do not fully comply with the 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 to be deemed "non-responsive" and rejected without further review.

1.4. EXCEPTIONS AND DEVIATIONS

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

1.5. DELIVERY AND BASIS OF PAYMENT

The Contractor / Vendor shall deliver the proposed sweeper to the Victoria Regional Airport, Victoria, Texas in first class operating condition. The Contractor / Vendor shall be responsible for unloading the sweeper. Acceptance shall be subject to the inspection and approval of the Victoria Regional Airport.

Payment shall be one (1) each and fully compensate the Contractor / Vendor for manufacture, delivery, and required training and manuals for the proposed Airport Sweeper. Payment shall be made under the following item:

Airfield Sweeper – per each

2. CHASSIS

2.1. CHASSIS

- 2.1.1. Chassis shall be International MV607, Freightliner M2 or Owner approved equal
- 2.1.2. Chassis shall be conventional design with a minimum GVWR adequate to support the completed sweeper.
- 2.1.3. The vehicle shall be equipped with a single fuel tank with a minimum capacity of 51 gallons. The fuel tank shall be shared by the vehicle engine and sweeper engine. The tank shall be easily accessible without raising or shifting any components. An in-cab fuel gauge shall be supplied.
- 2.1.4. The vehicle shall be equipped with a minimum of two (2) tow hooks on the front of the vehicle.
- 2.1.5. The exterior finish of the vehicle and sweeper shall be painted a standard color and meet the requirements described in AC 150/5210-5 (most recent version). The equipment shall be primed in accordance with accepted industry standards for heavy-duty industrial equipment for outdoor use.

2.2. CHASSIS ENGINE

- 2.2.1. The Chassis Engine shall be manufacturer standard diesel with a service center located within the Victoria County, Texas area.

2.3. TRANSMISSION

- 2.3.1. The transmission shall be manufactured by Allison or Owner approved Equal.
- 2.3.2. The transmission shall be automatic (forward & reverse), with overdrive.

2.4. OPERATION POSITION AND CHASIS CONTROLS

- 2.4.1. The vehicle shall be operated from the manufacturer standard driver position of the conventional cab chassis.
- 2.4.2. The steering system shall be manufacturer standard full power steering and the steering column shall be fully adjustable with tilt and telescopic capabilities.
- 2.4.3. The vehicle shall be equipped with independent gauge cluster for operator usage.

2.5. BRAKES

- 2.5.1. The brakes shall be manufacturer standard, Anti-lock Braking System (ABS), full air breaks, and shall come equipped with automatic slack adjustment.
- 2.5.2. The vehicle shall be equipped with manufacturer standard parking brake.

2.6. WHEELS & TIRES

- 2.6.1. The vehicle shall be equipped with 22.5" x 8.25" wheels on both front and rear axles.
- 2.6.2. Tires shall be tubeless radial tires, or Owner approved equal, with a load rating adequate for carrying the full load of the sweeper with maximum stability.
- 2.6.3. Front and rear wheels and tires shall be interchangeable.

2.7. CAB

- 2.7.1. The vehicle shall be equipped with grey, vinyl seating, that is adjustable fore and aft. All seats shall be equipped with a Type 2 seat belt assembly (i.e. 3-point retractable restraint).
- 2.7.2. The vehicle shall be equipped with two (2) exterior, door mounted mirrors with minimum 8" down view mirror. The mirrors shall be heated and shall be remote control adjustable.
- 2.7.3. Cab interior environment shall be fully air conditioned, including a fresh air heater/ventilator/defroster.
- 2.7.4. The vehicle shall be equipped with electrically powered windshield wipers. The wiper arms and blade will be of sufficient length to clear the windshield area described by the Society of Automotive Owners (SAE) J198, Windshield Wiper Systems – Trucks, Buses, and Multipurpose Vehicles.

- 2.7.5. The vehicle shall be equipped with a powered windshield washer system, including an electric fluid pump, a minimum of one (1) gallon fluid container, washer nozzles mounted to wiper arms (wet arms), and a momentary switch.
- 2.7.6. The vehicle shall have a warning sign that states "Occupants must be seated and wearing a seat belt when apparatus is in motion" clearly visible from each seat position.
- 2.7.7. Interior of cab shall have acoustical insulation for low operating noise, automotive type trim, and center sweeper console.
- 2.7.8. All glass shall be tinted safety glass.
- 2.7.9. Each operator position shall have adjustable sun visor.
- 2.7.10. Doors shall be key-locked.
- 2.7.11. Door windows shall be roll down type.
- 2.7.12. Cab shall have auxiliary 12V power outlet.
- 2.7.13. Cab shall have functional audio system. The audio system shall include at a minimum, an AM/FM radio, speakers, and antenna.
- 2.7.14. Side windows shall have defogger.

2.8. Electrical

- 2.8.1. Chassis shall have two (2) maintenance-free batteries rated at not less than 1,400 CCA, 12 volt.
- 2.8.2. Batteries should be located in an enclosed accessible compartment.
- 2.8.3. Chassis engine shall have a 12V, 160-amp alternator.
- 2.8.4. Chassis lighting system shall include sealed, multi-beam headlights, stop lights, tail lights, backup lights, license plate lights, clearance lights, signal lights, illuminated gauges and instrument panel, and directional lights with hazard switch.
- 2.8.5. Additional chassis lighting shall include Emergency Light Bar mounted to the cab roof. Light Bar shall be a minimum of 48" in length and have both Amber and White LED strobe light bulbs. Light Bar shall have multiple flash patterns and shall have control panel within the cab interior.
- 2.8.6. All lights shall be controlled from within the cab.
- 2.8.7. Two (2) floodlights shall be required. The floodlights shall be cab mounted, forward facing with in-cab controls.

3. SWEEPER MODULE

3.1. SWEEPER ENGINE

- 3.1.1. The sweeper module shall be equipped with a 4-cylinder, turbocharged diesel engine with a minimum displacement of 275 cubic inches (John Deere 4045T or equal).

- 3.1.2. The sweeper module shall have a minimum horsepower rating of 99 HP at 2,200 RPM.
- 3.1.3. The sweeper module shall produce a minimum net torque of 315 ft-lbs at 1,600 RPM.
- 3.1.4. The sweeper module shall follow Tier IV standards as described by the Environmental Protection Agency.
- 3.1.5. Engine shall be protected by dual safety element dry type air cleaner and restriction indicator that indicates it is time to service the filter element.
- 3.1.6. Engine shall be filled with 50/50 mixture anti-freeze/water for cold weather storage and operation.
- 3.1.7. The sweeper engine shall share the fuel tank with the chassis engine.
- 3.1.8. The sweeper engine shall have a 12-volt ignition, electric starter, and minimum 90 am alternator with charge indicator gauge mounted in the cab.
- 3.1.9. An auxiliary shutdown shall be included which protects against damage when either low oil pressure or high coolant temperature conditions occur.

3.2. BLOWER

- 3.2.1. The blower shall be constructed of rubber coated aluminum alloy.
- 3.2.2. The blower hosing shall be abrasion resistant and have a replaceable liner.
- 3.2.3. The blower housing shall have an inspection door for quick and safe inspection.

3.3. PICKUP HEAD

- 3.3.1. The sweeper shall be equipped with a pickup head and left and right gutter brooms. The pickup head shall have a minimum inside width of 87 inches.
- 3.3.2. The pickup head shall be supported with tungsten carbide skids.
- 3.3.3. The pickup head shall be raised and lowered hydraulically by a rocker switch on the control panel inside the cab
- 3.3.4. The sweeper shall be capable of performing and meeting the operational requirements as described in FAA Advisory Circular 150/5210-24A, Airport Foreign Object Debris (FOD) Management. The sweeper shall demonstrate compliance through third-party certified testing in accordance with FAA AC 150/5210-24A.

3.4. HOPPER

- 3.4.1. The hopper shall have a minimum volumetric capacity of 7.3 cubic yards and a minimum useable capacity of 6 cubic yards.
- 3.4.2. All seams shall be full length welded and airtight.
- 3.4.3. A full load indicator shall be mounted in the cab on the control panel
- 3.4.4. Dumping shall be accomplished by hydraulically raising the hopper.

- 3.4.5. The hopper door shall be opened and closed hydraulically and included an automatic locking mechanism.
- 3.4.6. The hopper shall be maintained airtight through the use of rubber seals on all doors and openings.
- 3.4.7. The hopper shall include at least one (1) inspection door.

3.5. GUTTER BROOM

- 3.5.1. The sweeper shall be equipped with dual gutter brooms with a minimum diameter of 43-inches
- 3.5.2. The gutter broom bristles shall be poly filled digger type.

3.6. DUST SEPARATOR

- 3.6.1. The sweeper module shall be equipped with a high-efficiency dust separator which keeps dust and fine material inside the hopper. The separator shall be designed so that it will not plug with regular debris.
- 3.6.2. The dust separator shall be equipped with a minimum of one (1) exterior inspection door, which allows for the inspection and cleaning of the dust separator interior.
- 3.6.3. The dust separator housing shall be abrasion resistant with a replaceable, wear resistant liner.

3.7. DUST CONTROL SYSTEM

- 3.7.1. The sweeper shall be equipped with a spray water system. The spray water system shall have a water reservoir constructed with corrosion resistant material and have a minimum capacity of 220 gallons.
- 3.7.2. The sweeper shall be equipped with a fill hose with NST coupling. The fill hose shall have a minimum length of 20-feet.
- 3.7.3. The sweeper shall be equipped with a low water shut-off. The shut-off feature shall be coupled with a low water warning indicator within the cab.
- 3.7.4. All water lines shall be color coded for easy identification.
- 3.7.5. The water filter must be easy to access and clean 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.
- 3.7.6. All water piping shall be external to the operator cab. No water lines capable of leaking or bursting shall be within the cab.

3.8. HYDRAULIC SYSTEM

- 3.8.1. The hydraulic system shall be adequate for use within the design requirements of the sweeper.

- 3.8.2. Hydraulic pump shall be a gear-driven, gear-style pump for maintenance free operation, having a flow capacity adequate for use within the design requirements of the sweeper.
- 3.8.3. Reservoir capacity shall not be less than 25 gallons and shall have an exterior sight gauge.
- 3.8.4. There shall be a 10-micron, spin-on hydraulic filter. Exchange of the filter must be possible without tilting the hopper. A 10-micron breather filter will also be installed to cleanse the air moving in and out of the hydraulic reservoir.

3.9. ELECTRICAL SYSTEM

- 3.9.1. Sweeper electrical system shall be independent from the chassis electrical system.
- 3.9.2. Sweeper engine shall have one (1) 925 CCA, 12-volt battery.
- 3.9.3. Sweeper engine shall have a 90-amp alternator.
- 3.9.4. Sweeper shall have an electronic back-up alarm for additional warning and safety when chassis is in reverse.
- 3.9.5. Sweeper lighting shall include rear identification lights, side broom, and rear clearance lights.
- 3.9.6. Two strobe lights shall be provided with harness, mountings, and light guards. Both lights are to be mounted on the rear of the hopper at each corner.
- 3.9.7. The sweeper shall come equipped with a minimum of 2 cameras. One camera shall be used as a backup camera and shall provide a full view directed away from the rear of the vehicle. The second camera shall be installed in a manner that will allow the pick up head to be monitored during operation. The images from the cameras shall be displayed on a monitor from within the cab of the chassis and shall be adjustable for viewing from the left or right side operator's position.

3.10. OPERATING CONTROLS

- 3.10.1. All sweeper controls shall be mounted on a stationary central console that allows for use from either right or left positions.
- 3.10.2. The controls shall include all sweep, spray water, and lighting functions.
- 3.10.3. The controls for sweep, spray water, and lighting functions shall be conventional rocker switches.
- 3.10.4. Controls for auxiliary engine ignition and throttle, side broom down pressure, and manual reset circuit breakers shall be located in the control console.
- 3.10.5. Sweeper engine instruments shall include an auxiliary engine air intake restriction indicator, a "raised" hopper indicator, and a "full" hopper indicator to notify the operator of hopper load and hopper rear door conditions.

4. OPTIONAL EQUIPMENT

4.1. HAND HOSE EQUIPMENT

- 4.1.1. An auxiliary hydraulic hand hose shall be provided for cleaning areas and catch basins.
- 4.1.2. The auxiliary hand hose shall be a minimum of 8-inch diameter, 10-feet long, and have a 42-inch-long aluminum nozzle and serrated ring.
- 4.1.3. The auxiliary hand hose shall be suspended from a hydraulic boom to allow easier maneuvering and controlled by a handheld pendant.
- 4.1.4. The auxiliary hand hose system shall utilize a separate electric hydraulic pump and a separate hydraulic valve.
- 4.1.5. The electric hydraulic pump shall also be capable of operating other hydraulic functions, including dumping, without running auxiliary engine.

4.2. HOPPER DELUGE SYSTEM

- 4.2.1. A hopper deluge system consisting of a special V-shaped nozzle assembly in the hopper rear door for easy washing out of the hopper shall be supplied. The standard equipped water fill hose can be connected to a hydrant and the washout nozzle in the hopper door to allow pressurized water to clean the hopper interior. Alternate designs may be submitted to the Owner for review and approval.
- 4.2.2. All water pumps shall be electrical self-priming.

4.3. LATERAL AIR FLOW

- 4.3.1. A lateral airflow nozzle shall be fitted between the front and rear axle on the left side of the unit.
- 4.3.2. By means of cab-operated control, a diverter gate shall be opened, allowing the full exhaust of the blower to be redirected through the airflow nozzle. A steel transition will replace the blower size mounted urethane transition to allow proper mounting of diverter gate.
- 4.3.3. The nozzle shall be 360-degrees directional and nozzle air exhaust orifice shall be adjustable.
- 4.3.4. Air velocity shall be adequate to move deposits after sand and dust storms, puddles of water after heavy rainfalls, snow, grass cuttings laterally a minimum of 60-feet in a single pass.

4.4. MAGNET ASSEMBLY

- 4.4.1. A permanent type magnet having a minimum length of 84" shall be mounted forward and parallel to the front axel of the vehicle.
- 4.4.2. The height of the magnet shall be adjustable in the rang of 2-inches to 4-inches (two positions minimum) above ground with the first position located 2 ¼-inch maximum above ground and second position located 3-inches above ground.

- 4.4.3. A provision shall be made for raising magnet hydraulically to a traveling position with ground clearance of 10-inch minimum.
- 4.4.4. Minimum strength of the magnet shall be as follows:
 - 4.4.4.1. 2-inch ground clearance 500 gauss magnetic strength.
 - 4.4.4.2. 3-inch ground clearance 300 gauss magnetic strength.
 - 4.4.4.3. 4-inch ground clearance 200 gauss magnetic strength.
- 4.4.5. The magnetic assembly shall have means for releasing or dumping debris from magnet.
- 4.4.6. All controls for magnet assembly shall be located in the operator's cab.
- 4.4.7. The magnetic assembly shall be mounted such that mount or dismount of assembly shall require not more than two man hours with the use of a lifting device and common hand tool.
- 4.4.8. A height indicator shall be located in the cab.

4.5. MISCELLANEOUS OPTIONS

- 4.5.1. Fire extinguisher, refillable, dry chemical unit, DOT approved, shall be cab mounted.
- 4.5.2. Hydrant wrench shall be furnished. Wrench shall be securely mounted in cab.
- 4.5.3. Slow moving vehicle emblem, reflective triangular emblem, shall be rear mounted.
- 4.5.4. Spare tire and wheel to match tires and wheels on truck shall be furnished
- 4.5.5. Variable Broom Speed Automatic Lubrication System shall be included.
- 4.5.6. High-pressure wash-down with 24-inch hand lance and 30-feet of hose.
- 4.5.7. The Airfield Sweeper shall be equipped with the following "in-cap" mounted, 2-way communication radios
 - 4.5.7.1. Icom Model IC-A120 Air Band, or equal, with roof top antenna, cable, transceiver speaker assembly, microphones.

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Attachment C

NEW AIRPORT PAVEMENT SWEEPER

SPECIFICATIONS CHECKLIST

1.0 GENERAL SPECIFICATIONS

1.3 Warranty

Is warranty information provided and updated as required by the specifications?

Yes _____ No _____ Proposed _____
Alternative _____

2.0 CHASSIS

2.1 Chassis

Is the chassis an International MV607, Freightliner M2-106, or Owner approved equal?

Yes _____ No _____ Proposed _____
Alternative _____

Is the chassis conventional cab design with GVWR adequate for the completed sweeper?

Yes _____ No _____ Proposed _____
Alternative _____

Does the auxiliary engine share a diesel fuel tank with the chassis engine?

Yes _____ No _____ Proposed _____
Alternative _____

Is fuel tank capacity at least 51 gallons with an in-cab fuel indicator?

Yes _____ No _____ Proposed _____
Alternative _____

Is the fuel tank readily accessible without moving the hopper or major components?

Yes _____ No _____ Proposed _____
Alternative _____

Is the chassis frame manufacturer standard high-strength steel suitable for the sweeper body?

Yes _____ No _____ Proposed _____
Alternative _____

Are at least two front tow hooks or standard front towing provisions provided?

Yes _____ No _____ Proposed _____
Alternative _____

Are the chassis and sweeper painted in accordance with AC-150/5210-5D?

Yes_____ No_____ Proposed
Alternative_____

2.2 Chassis Engine

Is the chassis engine manufacturer standard diesel?

Yes_____ No_____ Proposed
Alternative_____

Is chassis engine horsepower adequate for the completed sweeper and airport operations?

Yes_____ No_____ Proposed
Alternative_____

Does the chassis engine meet applicable current EPA, CARB, GHG, emissions, and OBD requirements?

Yes_____ No_____ Proposed
Alternative_____

Is the cooling system protected to not less than -10 degrees F?

Yes_____ No_____ Proposed
Alternative_____

Is authorized chassis parts, warranty, and maintenance support available?

Yes_____ No_____ Proposed
Alternative_____

2.3 Transmission

Is the transmission a manufacturer standard automatic by Allison or equal?

Yes_____ No_____ Proposed
Alternative_____

Does the transmission provide forward and reverse operation for fully loaded sweeper service?

Yes_____ No_____ Proposed
Alternative_____

Does the transmission include standard controls, cooling, and diagnostic provisions?

Yes_____ No_____ Proposed
Alternative_____

2.4 Operator Position and Chassis Controls

Is the vehicle operated from the standard driver position of the conventional cab?

Yes _____ No _____ Proposed _____
Alternative _____

Is the steering system manufacturer standard full power steering?

Yes _____ No _____ Proposed _____
Alternative _____

Does the steering column include standard tilt and/or telescopic adjustment when available?

Yes _____ No _____ Proposed _____
Alternative _____

Do chassis gauges/warnings show engine, transmission, fuel, air, electrical, and vehicle information?

Yes _____ No _____ Proposed _____
Alternative _____

Are sweeper controls arranged in the cab for convenient operator access and visibility?

Yes _____ No _____ Proposed _____
Alternative _____

2.5 Brakes

Are brakes manufacturer standard air brakes or equal, sized for completed GVWR?

Yes _____ No _____ Proposed _____
Alternative _____

Does the braking system include ABS?

Yes _____ No _____ Proposed _____
Alternative _____

Does the braking system include automatic or manufacturer standard adjustment provisions?

Yes _____ No _____ Proposed _____
Alternative _____

Is the vehicle equipped with manufacturer standard parking brake?

Yes _____ No _____ Proposed _____
Alternative _____

2.6 Wheels and Tires

Are wheels and tires sized by the chassis manufacturer for completed GVWR?

Yes _____ No _____ Proposed _____
Alternative _____

Are wheels 22.5-inch diameter unless otherwise approved?

Yes _____ No _____ Proposed _____
Alternative _____

Are tires tubeless radial tires with adequate load rating for the completed sweeper?

Yes _____ No _____ Proposed _____
Alternative _____

Are front and rear tire sizes manufacturer standard for the proposed chassis?

Yes _____ No _____ Proposed _____
Alternative _____

Are tires suitable for paved runways, taxiways, aprons, and roadways?

Yes _____ No _____ Proposed _____
Alternative _____

2.7 Cab

Is the cab a manufacturer standard conventional day cab or approved equal?

Yes _____ No _____ Proposed _____
Alternative _____

Does the cab include adjustable driver and passenger seating with standard seat belts?

Yes _____ No _____ Proposed _____
Alternative _____

Are exterior rear-view mirrors provided on both sides?

Yes _____ No _____ Proposed _____
Alternative _____

Do mirrors include convex or down-view provisions for side visibility?

Yes _____ No _____ Proposed _____
Alternative _____

Does the cab include heater, ventilator, defroster, and air conditioning?

Yes_____ No_____ Proposed
Alternative_____

Are powered windshield wipers and windshield washer system provided?

Yes_____ No_____ Proposed
Alternative_____

Does the cab include driver sun visor provisions?

Yes_____ No_____ Proposed
Alternative_____

Are cab doors key-lockable?

Yes_____ No_____ Proposed
Alternative_____

Are door windows manufacturer standard manual or power-operated type?

Yes_____ No_____ Proposed
Alternative_____

Does the cab include a 12V auxiliary power outlet or USB/auxiliary power provision?

Yes_____ No_____ Proposed
Alternative_____

Does the cab include a functional audio system or standard radio provision?

Yes_____ No_____ Proposed
Alternative_____

2.8 Electrical

Is the chassis electrical system 12-volt negative ground?

Yes_____ No_____ Proposed
Alternative_____

Do batteries provide at least 1,400 total CCA and adequate capacity for completed sweeper service?

Yes_____ No_____ Proposed
Alternative_____

Are batteries located in an accessible, protected compartment?

Yes_____ No_____ Proposed
Alternative_____

Is the chassis alternator rated not less than 160 amps?

Yes_____ No_____ Proposed
Alternative_____

Does chassis lighting include all standard road, signal, clearance, backup, and instrument lights?

Yes_____ No_____ Proposed
Alternative_____

Are all chassis lights controlled from within the cab?

Yes_____ No_____ Proposed
Alternative_____

Are additional safety and work lights provided as required for the completed sweeper?

Yes_____ No_____ Proposed
Alternative_____

Are standard body-builder wiring/interface provisions provided for sweeper integration?

Yes_____ No_____ Proposed
Alternative_____

3.0 SWEEPER MODULE

3.1 Sweeper Engine

Is the sweeper equipped with a John Deere 4045 four-cylinder turbocharged Final Tier 4 diesel or equal?

Yes_____ No_____ Proposed
Alternative_____

Is auxiliary engine displacement at least 275 cubic inches?

Yes_____ No_____ Proposed
Alternative_____

Does the auxiliary engine produce at least 99 HP at 2,200 RPM?

Yes_____ No_____ Proposed
Alternative_____

Does the auxiliary engine produce at least 315 lb-ft torque at 1,600 RPM?

Yes _____ No _____ Proposed _____
Alternative _____

Does the engine include heavy-duty air cleaner, pre-cleaner, scavenge hose, and in-cab restriction gauge?

Yes _____ No _____ Proposed _____
Alternative _____

Does the engine include a spin-on, full-flow remote oil filter?

Yes _____ No _____ Proposed _____
Alternative _____

Does the auxiliary engine share diesel fuel with the chassis engine?

Yes _____ No _____ Proposed _____
Alternative _____

Does the auxiliary engine include a dedicated DEF tank with 5.4 gal volumetric and 3.8 gal usable capacity?

Yes _____ No _____ Proposed _____
Alternative _____

Does the engine include protection, WIF sensor, fuel filtration, and OCV filtration?

Yes _____ No _____ Proposed _____
Alternative _____

3.2 Blower

Is a high-volume, open-face, rubber-coated aluminum alloy turbine blower provided?

Yes _____ No _____ Proposed _____
Alternative _____

Is the blower supported by two sealed lifetime-lubricated anti-friction bearings?

Yes _____ No _____ Proposed _____
Alternative _____

Is the blower housing bolt-on steel with abrasion-resistant replaceable liner?

Yes _____ No _____ Proposed _____
Alternative _____

Is the blower driven by a heavy-duty power band for continuous runway sweeping service?

Yes _____ No _____ Proposed _____
Alternative _____

3.3 Pick-up Head

Is a dual-chamber pick-up head provided for high-speed runway and pavement sweeping?

Yes _____ No _____ Proposed _____
Alternative _____

Is pick-up head inside width at least 87 inches?

Yes _____ No _____ Proposed _____
Alternative _____

Is the pick-up head supported by long-life carbide skids?

Yes _____ No _____ Proposed _____
Alternative _____

Does the pick-up head include a cable-operated pressure bleeder?

Yes _____ No _____ Proposed _____
Alternative _____

Sweeper is capable of completing the tests outlined in FAA AC 150/5210-24A?

Yes _____ No _____ Proposed _____
Alternative _____

3.4 Hopper

Is hopper capacity at least 7.3 cubic yards volumetric and 6.0 cubic yards usable?

Yes _____ No _____ Proposed _____
Alternative _____

Is the hopper welded steel plate with integral stiffeners?

Yes _____ No _____ Proposed _____
Alternative _____

Is dumping hydraulically operated with a raker bar?

Yes _____ No _____ Proposed _____
Alternative _____

Does the hopper dump to the rear of the vehicle?

Yes _____ No _____ Proposed _____
Alternative _____

Does the hopper include inspection doors on each side?

Yes _____ No _____ Proposed _____
Alternative _____

3.5 Gutter Broom

Is the sweeper equipped with twin gutter brooms?

Yes _____ No _____ Proposed _____
Alternative _____

Is each gutter broom driven by a constant-speed, non-reversible hydraulic motor?

Yes _____ No _____ Proposed _____
Alternative _____

Are gutter brooms adjustable for down pressure, pattern, and wear?

Yes _____ No _____ Proposed _____
Alternative _____

Is gutter broom down pressure automatically controlled?

Yes _____ No _____ Proposed _____
Alternative _____

Does each gutter broom include an anti-damage swing-away relief feature?

Yes _____ No _____ Proposed _____
Alternative _____

Is each gutter broom at least 43 inches diameter?

Yes _____ No _____ Proposed _____
Alternative _____

Are two LED floodlights provided at the gutter broom area?

Yes _____ No _____ Proposed _____
Alternative _____

3.6 Dust Separator

Is a high-capacity dust separator with cyclonic centrifugal separation provided?

Yes _____ No _____ Proposed _____
Alternative _____

Is the dust separator located adjacent to the blower within the hopper?

Yes _____ No _____ Proposed _____
Alternative _____

Is an exterior-access inspection door provided for separator inspection, cleaning, and maintenance?

Yes _____ No _____ Proposed _____
Alternative _____

Is the separator housing abrasion resistant with a replaceable wear-resistant liner?

Yes _____ No _____ Proposed _____
Alternative _____

3.7 Dust Control System

Is a dust control water spray system provided for sweeping operations?

Yes _____ No _____ Proposed _____
Alternative _____

Is the water pump electric diaphragm type?

Yes _____ No _____ Proposed _____
Alternative _____

Are polyethylene water reservoirs provided with at least 220 gallons total capacity?

Yes _____ No _____ Proposed _____
Alternative _____

Does the water system include an 80-mesh in-line filter cleanable without tilting the hopper?

Yes _____ No _____ Proposed _____
Alternative _____

Does the system include low-water safety shut-off with audible and visual cab indicators?

Yes _____ No _____ Proposed _____
Alternative _____

Is a fill hose at least 20 feet long provided with NST coupling?

Yes _____ No _____ Proposed _____
Alternative _____

3.8 Hydraulic System

Does the hydraulic system operate gutter brooms, hopper dump functions, and pick-up head functions?

Yes _____ No _____ Proposed _____
Alternative _____

Is the hydraulic system adequately designed for required sweeper operations?

Yes _____ No _____ Proposed _____
Alternative _____

Is the hydraulic pump gear driven from the auxiliary engine?

Yes _____ No _____ Proposed _____
Alternative _____

Is reservoir capacity at least 25 gallons with exterior sight gauge?

Yes _____ No _____ Proposed _____
Alternative _____

Does the hydraulic system include 10-micron spin-on vent filters?

Yes _____ No _____ Proposed _____
Alternative _____

Is hydraulic temperature shutdown with in-cab gauge provided?

Yes _____ No _____ Proposed _____
Alternative _____

Is auxiliary hydraulic capacity provided for optional attachments and maintenance functions?

Yes _____ No _____ Proposed _____
Alternative _____

3.9 Electrical System

Are at least two alternating LED rear flashers provided?

Yes _____ No _____ Proposed _____
Alternative _____

Is a rear-view camera system provided?

Yes _____ No _____ Proposed
Alternative _____

Is an electronic back-up alarm provided?

Yes _____ No _____ Proposed
Alternative _____

Is an SAE Class 1 / California Title 13 amber LED beacon with limb guard provided?

Yes _____ No _____ Proposed
Alternative _____

3.10 Operating Controls

Does the control system operate sweeper and auxiliary engine functions?

Yes _____ No _____ Proposed
Alternative _____

Is a pedestal-mounted touchscreen display provided in the cab?

Yes _____ No _____ Proposed
Alternative _____

Does the display show auxiliary engine data and sweeper operating data?

Yes _____ No _____ Proposed
Alternative _____

Does the display include hour meters for auxiliary engine, gutter brooms, pick-up head, blower, and water pump?

Yes _____ No _____ Proposed
Alternative _____

Does the display include trip/total hours, curb miles, sweeping hours, reminders, warnings, winterization guide, and OBD?

Yes _____ No _____ Proposed
Alternative _____

Does the sweeper come with a minimum of 2 cameras – 1 reverse camera and 1 pickup head camera?

Yes _____ No _____ Proposed
Alternative _____