This specification is a product of the Texas Department of Transportation (TxDOT). This specification may not be sold for profit or monetary gain. If this specification is altered in any way, the header, and any and all references to TxDOT must be removed. TxDOT does not assume nor accept any liability when this specification is used in the procurement process by any other entity.

PART I
GENERAL CLAUSES AND CONDITIONS

1. Respondent shall provide the information requested in the right-hand column of Parts II and III of this specification document. Failure by the respondent to fully complete Parts II and III and return the document with the bid package will disqualify the respondent from further consideration.

2. The equipment furnished under this specification shall be the latest improved model in current production, as offered to commercial trade, and shall be of quality workmanship and material. The respondent represents that all equipment offered under this specification shall be new. USED, SHOPWORN, DEMONSTRATOR, PROTOTYPE, REMANUFACTURED, RECONDITIONED, OR DISCONTINUED MODELS ARE NOT ACCEPTABLE.

3. Respondent should submit with the solicitation the latest printed literature and detailed specifications on equipment the respondent proposes to furnish. This literature is for informational purposes only.

4. The unit shall be completely assembled and adjusted, and all equipment including standard and supplemental equipment shall be installed and the unit made ready for continuous operation upon delivery.

5. All parts not specifically mentioned which are necessary for the unit to be complete and ready for operation or which are normally furnished as standard equipment shall be furnished by the vendor. All parts shall conform in strength, quality and workmanship to the accepted standards of the industry.

6. The unit provided shall meet or exceed all federal and State of Texas safety, health, lighting and noise regulations and standards in effect and applicable to equipment furnished at the time of manufacture.

7. It is the intent of TxDOT to purchase goods, equipment and services having the least adverse environmental impact, within the constraints of statutory purchasing requirements, TxDOT need, availability, and sound economic considerations. Suggested changes and environmental enhancements for possible inclusion in future revisions of this specification are encouraged.

* This specification supersedes specification No. TxDOT 765-64-13 February 2017
PART II

SPECIFICATIONS

1. **SCOPE:** This specification describes a diesel-powered, self-propelled, aggregate (chip) spreader designed and constructed to apply aggregate accurately and uniformly to roads and streets, with an effective variable spreading width. Units furnished to this specification shall meet or exceed all requirements.

   **EXAMPLES:**
   - Etnyre Self-Propelled Chip Spreader
   - LeeBoy Rosco Model CSV
   - BearCat Stealth Chipper
   - Or TxDOT approved equal.

**NOTICE TO BIDDERS:** Any example shown is listed to show type and class of equipment desired. Bidders are cautioned to read the specifications carefully, as there may be special requirements not commonly offered by the equipment manufacturer. Do not assume your standard equipment meets all detailed specifications merely because it is listed as an example. Bidders are cautioned that units delivered to the FOB points which do not meet specifications in every aspect will not be accepted.

2. **LIQUID-COOLED DIESEL ENGINE:** Unit shall be equipped with a liquid-cooled, turbocharged diesel engine meeting, but not limited to, the following:

   2.1. Minimum 250 gross HP at governed RPM.

   2.2. A 12V or 24V electrical system consisting of a starter and heavy duty alternator which shall be highest rated available from the manufacture. The alternator shall be capable of fully powering all electrical components simultaneously, including accessories, while they operate under maximum load.

   2.3. Sealed, spill-proof (no free electrolyte) maintenance-free type battery with spiral wound cells and sufficient cold cranking amperes (CCA) total battery rating to reliably start the unit in zero degree Fahrenheit weather. Shall be covered by minimum 12 month full replacement warranty and minimum 36 month prorated warranty. Replacement battery shall be furnished by vendor during 12 month initial warranty period at no cost (including shipping or environmental fees) to TxDOT.

   **EXAMPLE:** Optima YellowTop
   - or TxDOT approved equal

3. **INSTRUMENTATION:** The unit shall be equipped with, but not limited to, the following gauges, indicators and alarms. Wherever gauges are specified, indicator lights are not acceptable. If an electronic monitoring system is furnished which monitors at least the following operating conditions, it is acceptable. All instrumentation shall be easily visible to the operator and labeled in English or show a universally recognized symbol for each specific gauge, indicator, or alarm function. Units equipped with instrumentation gauges shall have non-glare lights for nighttime visibility.

   3.1. Engine coolant temperature gauge.

   3.2. Engine oil pressure gauge.
3.3. Torque-converter oil-temperature gauge or torque-converter oil-pressure gauge, if torque converter is provided.  
  Yes □ No □

3.4. Ammeter or voltmeter.  
  Yes □ No □

3.5. Hourmeter, either of the following types are acceptable.  
  3.5.1. OEM, integrated into an electronic instrument display system.  
  Yes □ No □
  3.5.2. Aftermarket, electric quartz, shock proof, totally sealed case, with readout up to 9,999.9 hours. Three screw or flush mount to accommodate equipment system voltage range between 10-80V.  
  EXAMPLE: Hobbs Model 85001-02 or TxDOT approved equal  
  Yes □ No □

3.6. Fuel quantity gauge.  
  Yes □ No □

3.7. Audible alarm and warning light for the following engine conditions:  
  3.7.1. High engine coolant temperature.  
  Yes □ No □
  3.7.2. Low engine oil pressure.  
  Yes □ No □

4. DRIVE TRAIN: The unit shall be equipped with, but not limited to, the following:  
  4.1. Hydrostatic or power shift transmission providing travel speeds from zero to not less than 16 mph.  
  Yes □ No □
  4.2. Front wheel drive  
  Yes □ No □

5. HYDRAULIC SYSTEM: System(s) as normally provided by the manufacturer shall be of size, type, and capacity to perform all required operations simultaneously.  
  Yes □ No □

6. WHEELS AND TIRES:  
  6.1. Unit shall be equipped with steel disc wheels and highway tread type tires.  
  Yes □ No □
  6.2. Tire and wheel minimum size shall be 385/65R 22.5 L tires.  
  Yes □ No □

7. BRAKES: The unit shall be equipped with either a hydraulic or air service brake system, secondary brake system, and a parking brake system as defined in the performance requirements of the current SAE J/ISO 3450 standard.  
  Yes □ No □

8. STEERING: Full hydraulic power steering.  
  Yes □ No □

9. TRUCK HITCH: The unit shall be equipped with a hitch latch and release button to engage and disengage the supply truck from the Chip Spreader.  
  9.1. Hitch will include the capability for the operator to raise or lower the hitch from the operator’s console.  
  Yes □ No □
  9.2. The hitch cylinder will hold the hitch at a given height.  
  Yes □ No □
  9.3. Vertical articulation shall be provided to allow up and down movements between the truck and the chip spreader.  
  Yes □ No □
10. **AGGREGATE RECEIVING HOPPER:** The unit shall be equipped with an aggregate receiving hopper meeting, but not limited to, the following:

10.1. Folding bat wing receiving hopper. **Yes □ No □**
10.2. Minimum inside opening 108”. **Yes □ No □**
10.3. Struck capacity of at least 3.5 cubic yards. **Yes □ No □**
10.4. Adjustable feed control system for each conveyor belt. **Yes □ No □**
10.5. Rubber skirting at receiver end of hopper to prevent spillage. **Yes □ No □**
10.6. Hydraulically controlled wings on receiving hopper controlled from operator’s station. **Yes □ No □**

11. **CONVEYOR**

11.1. System shall utilize two each minimum 20-inch wide conveyor belts. Units with flat conveyors shall have full length side skirting and hooded adjustable deflectors at head of each conveyor to prevent spillage. **Yes □ No □**
11.2. Conveyor belts shall be powered by hydraulic motors with independent variable speed control, directly coupled to the head pulley. **Yes □ No □**
11.3. Automatic conveyor control system shall automatically start and stop the conveyor belts for controlling the aggregate level in the spread hopper. Belts shall be controlled simultaneously or independently. System shall be furnished with an override control at the driver operator’s station to start and stop each conveyor. **Yes □ No □**
11.4. Design shall allow for convenient adjustment of belts. **Yes □ No □**

12. **AGGREGATE SPREAD HOPPER:** Hoppers shall spread aggregate evenly at a specified rate. **Yes □ No □**

12.1. Computer controlled and manual gate openings from the operators station **Yes □ No □**
12.2. The variable hopper width minimum shall not be more than 9’ and a maximum of no less than 15’. **Yes □ No □**
12.3. Electric hopper vibrators to facilitate continuous aggregate flow from the hopper. Vibrators shall be controlled at the operator’s station. **Yes □ No □**

13. **SPREAD HOPPER REJECT SCREEN:** Full-width (rod type) reject screen with minimum 1-1/2 inch openings shall be provided for all sizes and types of spread hoppers. **Yes □ No □**

14. **OPERATORS STATION AND CONTROLS**

14.1. The operator station controls shall allow operation from either right or left side. **Yes □ No □**
14.2. All stations shall be equipped with the required controls for operation of the unit. Application rate control system, for fixed and variable hopper systems. **Yes □ No □**
14.3. The application rate computer shall monitor the actual speed of the chip spreader and automatically vary the gate openings in order to maintain the set application rate, in pounds or square yards, of selected aggregate, regardless of the speed of the unit with accuracy to ± two percent.

14.3.1. The application rate may be varied as desired during the operation of the unit.

14.3.2. Automatic conveyor on and off controls shall be available at the operators console.

14.3.3. The operator station shall allow operation of individual 1' gates with individual power switches.

15. **BASIC DESIGN AND DIMENSIONS:** Unit shall be equipped with:

15.1. Maximum wheelbase 159-inches.

15.2. Inside turning radius not more than 22 feet 3 inches.

15.3. Heavy-gauge welded steel frame.

15.4. Non-skid surfaces on all walkways and at operator's station(s).

15.5. Handrails around all walkways.

15.6. Safety steps with toe stops, or access ladder on each side.

15.7. Seat, cushioned, adjustable, shock absorbing type or equal, with padded backrest, and seat belt meeting the SAE J386, latest revision. Seats shall be furnished at operator's station(s).

16. **LIGHTING:** Unit shall be equipped with, but not limited to, the following:

16.1. Two white halogen sealed-beam or LED headlights.

16.2. Two amber flashing warning lamps mounted on the front of the unit. The lamps shall be the four-way flasher type for off, flash-left, flash-right, flash both lights. Lamps shall be used as turn signal and warning lamps. Lamps shall be mounted at the same level and as widely spaced laterally as possible.

16.3. Two combination stop and tail lamps displaying a red color, and two red reflectors mounted at the rear of the unit. Lamps and/or reflectors may be incorporated into a single unit. The lamps shall have an approximate lens diameter of 5 inches and be used as turn signal, warning and stop lamps.

16.4. A metal license-plate holder with white light shall be mounted on rear of unit.

16.5. All electrical wiring shall be insulated and enclosed in a fibrous loom, plastic loom or flexible conduit for protection from external damage and short circuits. Wiring shall be securely fastened at sufficient intervals to prevent sagging and insure clearance of mechanical parts. Routing of the wiring through the sub-frame, operator's platform or the like shall be in such a manner as not to interfere with the normal operation and use or present a safety hazard. A sealed, splice-free modular wiring harness is acceptable. Rubber grommets shall be used wherever wire or harness pass through metal.
17. **RADIO FREQUENCY (RF) INTERFERENCE SUPPRESSION**: The vehicle and all equipment and components mounted to the chassis shall incorporate RF interference suppression so as to provide RF interference immunity to and from land mobile radio transceivers operating in the following bands: High Frequency (2 to 30 MHz), Low band (30 to 50 MHz), high band (140 to 174 MHz), UHF band (440 to 512 MHz) and the 700/800/900 MHz band (700 to 975 MHz) and comply with the following requirements:

17.1. Typical land mobile radio transceivers will utilize a 3dB gain antenna with up to a 125 watt RF power output. Antennas will be mounted on the roof, front fender, and/or rear fender of the unit

17.2. **VEHICLE COMPONENT RF SUPPRESSION**: All equipment electronic circuits shall be designed to suppress, bypass or otherwise prevent interference from affecting the radio transceiver. The RF immunity requirement shall apply to all vendor supplied equipment and components thereof including, but not limited to, ignition, AM/FM radio receivers, computers, emission controls, fuel pumps, wiper motors, alternative fuel electronic components, air bag systems, and ABS controllers, etc.

17.3. **VEHICLE COMPONENT RF IMMUNITY**: The vehicle electronic equipment including, but not limited to, ignition, AM/FM radio receivers, computers, emission controls, fuel pumps, wiper motors, alternative fuel electronic components, air bag systems, and ABS controller, shall not be adversely affected in operation, safety, or control by radio frequency (RF) energy generated and radiated by the transmitter portion of installed transceivers (up to 125 watt output).

17.4. When available from the OEM, Dealer shall provide OEM's RFI ordering code designation with their bid response.

17.5. Vendor will be assessed any and all charges associated with the testing and remediation of vehicles which fail to meet RFI requirements at any time during the warranty period.

18. **SAFETY AND SPECIAL EQUIPMENT**: Unit shall be equipped with, but not limited to, the following safety and special equipment items:

18.1. A horn and backup alarm system distinguishable from the surrounding noise level. Backup alarm shall meet the requirements of the current SAE J994 standard.

18.2. Vandalism protection group shall be provided to include as a minimum locking filler caps for the fuel tank, hydraulic tank, oil supply and radiator. Filler caps located behind a locking panel(s) are acceptable in lieu of individual locking caps.

18.2.1. Lockable engine side-panels. This requirement may be deleted if the manufacturer’s unit does not normally have lockable engine side panels. However oil fill, dipstick and radiator fill shall be protected by lockable covers.

18.2.2. Lockable battery box cover(s) shall be provided, if battery(ies) is not mounted inside lockable engine side-panels.
18.2.3. All lockable panels and compartments shall be equipped with an integrated locking system, keyed alike, or padlocks. If padlocks are furnished, two brass keys per lock shall be provided. All padlocks shall be keyed alike. The padlocks furnished shall be of quality construction greater than or equal to a Master Lock #3.

Yes ☐ No ☐

18.3. One operator's canvas umbrella or metal shade canopy. Size and type of shade shall be as normally recommended and offered by the manufacturer.

Yes ☐ No ☐

18.4. Slow moving emblem mounted base-down on the rear of the unit with unobstructed view and not less than 3 feet or more than 5 feet above the road surface.

Yes ☐ No ☐

18.5. Fire extinguisher, rechargeable, dry chemical, minimum 5 pounds with a U/L rating of 3-A: 40-B:C, mounted in a location easily accessible to the operator.

Yes ☐ No ☐

18.6. Four corner amber LED warning lights shall be readily visible with no line of site obstructions.

Yes ☐ No ☐

19. WEIGHT CENTERLINE: The weight centerline, computed with the unit in the stowed position, full fuel tank(s) without operator, shall be clearly marked on each side of the unit with a green vertical line 3 inches wide and 5 inches high, for safe loading on trailers.

Yes ☐ No ☐

20. TIE DOWNS: Four tie-down points shall be furnished for safely securing the unit during trailer transport. One tie-down point shall be located as close as practicable to each of the unit’s lower four corners. The tie-down points shall have an aggregate rated strength of at least 1-1/2 times the unit’s gross weight. If lashing (D) rings are provided, the rings shall accommodate 1/2 inch, grade 80, grab hooks.

Yes ☐ No ☐

21. INSTRUCTION ON SAFETY, OPERATION AND PREVENTIVE MAINTENANCE: The vendor shall provide the services of a competent factory trained technician thoroughly trained in the use and operation of the unit to TxDOT for a minimum eight hours instruction on safety, operation and preventive maintenance of the unit. The service shall be provided after the unit has been delivered and is ready for operation but prior to payment.

Yes ☐ No ☐

22. SAFETY PLAQUES OR DECALS

22.1. Product safety plaques or decals shall be furnished and affixed at the operator’s station and at any hazardous area. The safety plaques or decals shall describe the nature of the hazard, level of hazard seriousness, how to avoid the hazard, and the consequence of human interaction with the hazard. Permanent plaques are preferred to decals. Type, size and location of product safety plaques or decals shall be in accordance with current ANSI Z525.4 standard.

Yes ☐ No ☐

22.2. A permanent lubrication plaque shall be furnished and visible from the outside of the unit. The plaque shall note all recommended fluids, lubrication points and recommended periodic oil changes and lubrications intervals.

Yes ☐ No ☐
23. **PAINTING:** The unit shall be painted with lead free standard manufacturers paint except for glass, rubber and those accessories or fixtures constructed of rust-resistant or plated material not normally painted. ROPS/FOPS structures may be painted manufacturers standard black color.

Yes ☐ No ☐

24. **MANUAL(S):** Original manual(s) in paper format shall be delivered with the unit. It is requested but not required that the manual be printed on recycled paper. Manuals shall include:

- 24.1. An illustrated parts list(s) covering all components of the unit identifying parts by part number, description and component location.

Yes ☐ No ☐


Yes ☐ No ☐

- 24.3. Electrical schematics.

Yes ☐ No ☐

- 24.4. All necessary operating instructions and maintenance procedures for the unit and engine(s).

Yes ☐ No ☐

- 24.5. The following additional information shall be provided by the vendor at time of delivery if not included in the manual required above.

Yes ☐ No ☐

  - 24.5.1. Manufacturer's recommended service and preventive maintenance intervals.

Yes ☐ No ☐

  - 24.5.2. Recommended fluids, lubricating and their SAE/API equivalents.

Yes ☐ No ☐

25. **SERVICE POINT ACCESSIBILITY:** All lubrication and frequent service items shall be readily and easily accessible to the operator or technician.

Yes ☐ No ☐

26. **REPLACEMENT FILTERS AND BELTS:** A complete replacement set of filters and belts shall be provided for each unit furnished to this specification (not required for cab and chassis). Each filter and belt shall be labeled with the equipment manufacturer's part number as shown in the manufacturer's parts book and shall be furnished at the time of delivery. ONLY OEM FILTERS AND BELTS ARE ACCEPTABLE. The part numbers provided on the form shall correspond with the part numbers found in the parts manual for the equipment.

Yes ☐ No ☐

- 26.1. The set of filters shall include, but not be limited to the air, fuel, oil, and hydraulic filters used on the equipment.

Yes ☐ No ☐

- 26.2. The set of belts shall include, but not be limited to the alternator, water pump, and power steering belts used on the equipment.

Yes ☐ No ☐

- 26.3. The Filter and Belt Identification Forms should be completed and submitted in duplicate for informational purposes only. The form can be found at:


Yes ☐ No ☐

27. **MANUFACTURER'S STATEMENT OF ORIGIN (MSO):** Vendor shall furnish MSO to the receiving district with each unit at time of delivery. TxDOT WILL NOT ACCEPT THE UNIT AND PROCESS PAYMENT WITHOUT THE MSO.

Yes ☐ No ☐

28. **TITLE APPLICATION FORM:** Vendor shall furnish a completed State of Texas Form 130-U, Application for Texas Title and/or Registration, to the receiving district with each unit at time of delivery. The Form 130-U must be the most current version available. TxDOT WILL NOT ACCEPT THE UNIT AND PROCESS PAYMENT WITHOUT THE COMPLETED FORM 130-U.

Yes ☐ No ☐
29. **DATA SHEET(S):** The Data Sheet(s) should be completed and submitted in duplicate for informational purposes only. Yes □ No □

**PART III
WARRANTY**

1. **WARRANTY:** The unit shall be warranted against all defects in material and workmanship for a period of not less than 12 months or 1,200 hours of use, whichever comes first, and shall cover 100% parts and labor for the unit. If the manufacturer's standard warranty period exceeds 12 months or 1,200 hours, then the standard warranty period shall be in effect. The warranty begins on the date the unit is determined to meet specifications and accepted into TxDOT’s fleet.

   Warranty
   ———Months
   ———Hours
   whichever comes first

2. **INTENT:** During the warranty period the vendor shall be responsible for labor, materials, and other costs as outlined below associated with required warranty repair. It is the intent of this warranty that the vendor performs warranty repair work. At TxDOT’s option, TxDOT may perform minor warranty repairs to the unit at the vendor's expense.

   2.1. **EXCLUSIONS:** TxDOT will assume the expense for replacement tires and tubes, tire repairs, lubricating oils, hydraulic fluids, greases, filters, fuel, antifreeze, batteries, lights, hoses, belts, cleaning, painting and other minor items normally consumed in day-to-day operations. TxDOT will assume responsibility for cost of repairs resulting from collision, theft, vandalism, operator negligence or acts of God.

   2.2. **EQUIPMENT MAINTENANCE:** It is TxDOT’s practice to maintain the equipment in accordance with the manufacturer's published recommendations.

   2.3. **MINOR WARRANTY REPAIRS:** It is the intent of this warranty that the vendor performs minor warranty repairs; however, at TxDOT's option, warranty repairs deemed by TxDOT to be minor in nature may be performed by TxDOT at the vendor's expense. Parts required for repairs made by TxDOT will be OEM parts and obtained from the vendor or any commercial source, at no cost to TxDOT. Only the actual time required for repairs will be reimbursed. Mechanic's travel time, diagnosis time, etc. will not be included. Reimbursement by the vendor to TxDOT for the cost of warranty repairs will be computed as follows:

   2.3.1. **Labor:** Labor for warranty repairs will be calculated at the composite rate for the mechanic in effect at the time of the warranty repairs. Labor rate will not exceed $40.00 per hour. The time allowed for each repair will be determined by the manufacturer's standard time schedule. Manufacturer's time schedule shall be furnished to the receiving district with the unit at the time of delivery (if available). If a manufacturer's time schedule is not available, the actual time for repairs, as noted above, will be used.

   2.3.2. **Warranty Repair Claims:** Warranty repairs will be accumulated electronically on TxDOT Repair Orders using Fleet Management software and will be billed from same, unless the vendor prefers to have claims processed on the vendor's standard forms.

   2.3.3. **Parts:** Replaced parts will be held by TxDOT for 30 calendar days and will be available for inspection by the vendor or vendor’s authorized representative. Copies of invoices for all parts will be provided to the vendor. The cost of parts other than those furnished to TxDOT at no cost by the vendor will be billed at actual cost.
2.3.4. **Billing and Payment for Warranty Repair Expenses:** Costs for minor warranty repairs will be accumulated, including labor and replacement parts (if not provided). Reimbursement payment shall be made within 30 calendar days of the billing date.

2.4. **MAJOR WARRANTY REPAIRS:** When major warranty repairs are required, TxDOT will notify a representative of the vendor's Texas dealer by telephone at the location and the telephone number designated by the vendor on Data Sheet as the point of contact. Major warranty repair work for the purpose of this specification means major repairs to the engine, transmission, hydraulic system, drive train, frame assembly and major repairs to any other components of the unit. Diagnosis of the actual repairs required shall be the responsibility of the vendor. The unit will be made available at a TxDOT facility within a 100-mile radius of the FOB point shown on the purchase order. The repair work may be performed by the vendor or his authorized representative.

2.4.1. At the vendor's option, the unit may be taken by the vendor to a commercial repair facility. The vendor shall be responsible for the cost of the round trip transportation of the unit to and from that location.

2.4.2. If mutually agreed upon between the vendor and TxDOT, TxDOT may transport the unit to the vendor's location or authorized repair facility, within the boundaries of the state of Texas. The cost of equipment and manpower necessary to haul the unit for the round trip will be billed back to the vendor at the rental rate of the equipment and composite hourly rate for the driver in effect at the time for the equipment required. The composite hourly rate for the driver will not exceed $30.00 per hour. Rental rate for the truck and trailer will not exceed $0.80 per mile for the truck and $8.00 per hour for the trailer.

3. **RESPONSE TIME:** Warranty repair action shall begin within two working days after notification is made to the vendor for need of warranty repairs. A representative of the vendor's Texas dealer will be notified by telephone at the location and telephone number designated by the vendor on Attachment A as the point of contact. The vendor shall notify TxDOT immediately of any changes in this location and telephone number. The warranty repairs should be completed and the unit returned to TxDOT, or picked up by TxDOT at the vendor's expense as outlined above within a reasonable period of time. For the purpose of the specification eight working days is defined as a reasonable period of time. Excessive delays incurred for the performance of warranty repairs by the vendor may adversely affect the vendor's status as a qualified respondent.

4. **BILLING AND PAYMENT FOR WARRANTY REPAIR EXPENSES:** Cost will be accumulated for transportation of the unit by TxDOT to the vendor's location or authorized repair facility. Payment for transportation costs as provided for in this section shall be made within 30 calendar days of the billing date.

5. **PARTS AND SERVICE:** The manufacturer of the equipment furnished shall have an authorized dealer within the state of Texas. The authorized dealer shall have factory-trained personnel available for warranty repairs and the performance of service. The dealer shall also maintain an inventory of high-usage parts and a quick source for low-usage parts.
Optional equipment is not required unless identified on the solicitation.

1. **OPTION NO 1: REVERSING ENGINE RADIATOR FAN:** Reversing engine radiator fan with a controller at the operators’ station.

2. **OPTION NO 2: VARIABLE FRONT HEIGHT HOPPER:** Variable front height hopper, Hydraulically driven hopper to raise and lower the hopper a minimum of 10.5” and maximum 20.5”

3. **OPTION NO 3: FRONT AXLE FENDERS:** Fixed front full length fenders.

4. **OPTION NO 4: FRONT TIRE WATER SPRAY SYSTEM:** Water spray system for front axle to help keep tires clean.

5. **OPTION NO 5: FOUR WHEEL DRIVE:** Propulsion system shall consist of hydrostatic four wheel drive capability.

6. **OPTION NO 6: POWERED SLIDING OPERATOR STATION:** Operators station shall have powered sliding controls instead of standard manual sliding operator’s station.

7. **OPTION NO 7: VARIABLE WIDTH AGGREGATE SPREAD HOPPER:** In lieu of standard variable width hopper Ref.,12.2, the variable hopper width minimum shall be no less than 11’ and a maximum of no less than 22’.
SPECIFICATION NO.
TxDOT 765-64-13*
REVISED: October 2017

SPREADER, AGGREGATE, SELF-PROPELLED
DATA SHEET

Respondent should insert the requested information and return two copies for informational purposes only.

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<tr>
<th>Solicitation No.</th>
<th>Opening Date</th>
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<tr>
<th>Make</th>
<th>Model</th>
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<tr>
<th>Fixed Spread Hopper Size</th>
<th>Variable Spread Hopper Size (min- max)</th>
<th>Receiving Hopper Size (cu. yd.)</th>
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<tr>
<th>Wheelbase (inches)</th>
<th>Shipping Weight Lbs.</th>
<th>Operating Weight in lbs.</th>
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<tr>
<th>Engine Make</th>
<th>Model</th>
<th>Displacement (cu. in.)</th>
<th>Fuel Type</th>
<th>Crankshaft Balanced (Y or N)</th>
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<th>Engine Model Yr.</th>
<th>Tier Rating</th>
<th>Gross HP at Governed RPM</th>
<th>Engine Turbo Charged (Yes- No)</th>
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<tr>
<th>SAE J1349 (Net) HP at Governed RPM</th>
<th>SAE Net Torque Lbs./Ft.</th>
<th>Engine After Cooled (Air to Air or Air to Water)</th>
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<th>Battery (CCA)</th>
<th>Dry Type Air Cleaner</th>
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<thead>
<tr>
<th>Transmission Make</th>
<th>Model</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<table>
<thead>
<tr>
<th>Travel Range, From MPH to MPH</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Wheel base (inches)</th>
<th>Inside Turning Radius (feet and inches)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Type of Steering</th>
<th>No. of Drive Wheels</th>
<th>Location of Drive Wheels</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Front Tires Size</th>
<th>Ply Rating</th>
<th>Type</th>
<th>Front Tire Track Width</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</table>

<table>
<thead>
<tr>
<th>Rear Tire Size</th>
<th>Ply Rating</th>
<th>Type</th>
<th>Rear Tire Track Width</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Type of Service Brakes Braking System Meets Current SAE J/ISO 3450 standard</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Backup Alarm Meets Current SAE J994 Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

THE DATA SHEET(S) SHOULD BE RETURNED FOR INFORMATIONAL PURPOSES ONLY. THE DATA SHEET(S) WILL BE REQUIRED PRIOR TO AWARD. FAILURE TO PROVIDE COMPLETED DATA SHEET(S) WITH THE RESPONSE OR, WITHIN 3 WORKING DAYS OF REQUEST WILL RESULT IN THE RESPONSE BEING CONSIDERED NON-RESPONSIVE.
Warranty Period is ________________ Months

Name and address of firm nearest the FOB point that will provide warranty service and repair parts:

__________________________
Firm Name

__________________________
Address

__________________________
Telephone Number

Individual to Contact

If servicing dealer furnishes parts for minor repairs by TxDOT personnel, will this affect the warranty? __________.

If answer is "yes" please explain.______________________________________________________________

___________________________________________________________________________________________

___________________________________________________________________________________________

___________________________________________________________________________________________

___________________________________________________________________________________________

___________________________________________________________________________________________

___________________________________________________________________________________________

Name of Respondent’s Firm

__________________________
Respondent’s Signature

__________________________
Date

__________________________
Print or Type Respondent’s Name

__________________________
Respondent’s Telephone No.

__________________________
Respondent’s email address

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### Product Tab

<table>
<thead>
<tr>
<th>NIGP</th>
<th>765-64-13</th>
<th>SPREADER, AGREGATE, SELF PROPELLED</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Spec</th>
<th>Etnyre</th>
<th>Leeboy Rosco CSV</th>
<th>BearCat Stealth</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Net Engine Power, 1st gear (hp)</strong></td>
<td>Min 250 hp</td>
<td>260 hp @ 2200 RPM</td>
<td>260 or 275</td>
</tr>
<tr>
<td><strong>Receiving Hopper Capacity</strong></td>
<td>Min 3.5 CY</td>
<td>4 CY</td>
<td>3.5</td>
</tr>
<tr>
<td><strong>Conveyor Belt Width</strong></td>
<td>Min 20&quot;</td>
<td>24&quot;</td>
<td>20</td>
</tr>
<tr>
<td><strong>Spread Hopper Variable Width</strong></td>
<td>max 9' - min 15'</td>
<td>9-18 feet</td>
<td>8-16 Feet</td>
</tr>
<tr>
<td><strong>Spreader Hopper Reject Screen Opening</strong></td>
<td>Min 1.5&quot;</td>
<td>1.5&quot;</td>
<td>1.0&quot;* (1.5 available)</td>
</tr>
<tr>
<td><strong>Speed Range</strong></td>
<td>0-16 mph</td>
<td>0-19 mph</td>
<td>0-20 mph</td>
</tr>
<tr>
<td><strong>Tire Size</strong></td>
<td>385/65R 22.5 L</td>
<td>385/65R22.5-L</td>
<td>385/65R 22.5</td>
</tr>
<tr>
<td><strong>Wheelbase</strong></td>
<td>Max 159&quot;</td>
<td>138&quot;</td>
<td>155&quot;</td>
</tr>
<tr>
<td><strong>Inside Turning Radius</strong></td>
<td>Max 22' 3&quot;</td>
<td>17'-2&quot;</td>
<td>22' 3&quot;</td>
</tr>
<tr>
<td><strong>Option1: Variable Front Height Hopper</strong></td>
<td>Yes/No</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td><strong>Option2: Front Axle Fenders</strong></td>
<td>Yes/No</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Option3: Front Tire Water Spray System</strong></td>
<td>Yes/No</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td><strong>Option4: 4 Wheel Drive</strong></td>
<td>Yes/No</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Option5: Powered Sliding Operators Station</strong></td>
<td>Yes/No</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Option6: Extra Set of Manuals</strong></td>
<td>Yes/No</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Option7: Variable Aggregate Spread Hopper, max 11' - min 22'</strong></td>
<td>Yes/No</td>
<td>Yes</td>
<td>No</td>
</tr>
</tbody>
</table>