

Lot 2 - Platform Bodies

		Estimated Quantity	Unit Price	Estimated Extended Price	Days ARO
1	Body, Platform, 8 Ft.	4	\$2,160.00	\$8,640.00	30
	Vendor Product Number	PVMXS-83C			
	INSTALLATION OF BODY AND HOIST SYSTEMS	Add:	\$1,020.00		
	HOIST SYSTEM - TO CONVERT TO PLATFORM DUMP BODY	Add:	\$2,100.00		
	40" HIGH STAKE SIDES & REARS	Add:	\$1,000.00		
	TOOL BOX, UNDER BODY, 36" X 18" X 18", WITH INSTALLATION	Add:	\$425.00		

		Estimated Quantity	Unit Price	Estimated Extended Price	Days ARO
2	Body, Platform, 9 Ft.	6	\$2,880.00	\$17,280.00	30
	Vendor Product Number	PMVXS-93C			
	INSTALLATION OF BODY AND HOIST SYSTEMS	Add:	\$1,085.00		
	HOIST SYSTEM - TO CONVERT TO PLATFORM DUMP BODY	Add:	\$2,885.00		
	40" HIGH STAKE SIDES & REARS	Add:	\$1,300.00		
	TOOL BOX, UNDER BODY, 36" X 18" X 18", WITH INSTALLATION	Add:	\$425.00		

		Estimated Quantity	Unit Price	Estimated Extended Price	Days ARO
3	Body, Platform, 12 Ft.	6	\$3,150.00	\$18,900.00	30
	Vendor Product Number	PVMXS-123C			
	INSTALLATION OF BODY AND HOIST SYSTEMS	Add:	\$1,400.00		
	HOIST SYSTEM - TO CONVERT TO PLATFORM DUMP BODY	Add:	\$2,885.00		
	40" HIGH STAKE SIDES & REARS	Add:	\$1,890.00		
	TOOL BOX, UNDER BODY, 36" X 18" X 18", WITH INSTALLATION	Add:	\$425.00		

		Estimated Quantity	Unit Price	Estimated Extended Price	Days ARO
4	Body, Platform, 12 Ft. Heavy Duty	6	\$3,450.00	\$20,700.00	30

	Vendor Product Number	PVMXS-123HD			
	INSTALLATION OF BODY AND HOIST SYSTEMS	Add:	\$1,400.00		
	HOIST SYSTEM - TO CONVERT TO PLATFORM DUMP BODY	Add:	\$2,885.00		
	40" HIGH STAKE SIDES & REARS	Add:	\$1,890.00		
	TOOL BOX, UNDER BODY, 36" X 18" X 18", WITH INSTALLATION	Add:	\$425.00		

		Estimated Quantity	Unit Price	Estimated Extended Price	Days ARO
5	Body, Platform,14 Ft. Heavy Duty	6	\$3,780.00	\$22,680.00	30
	Vendor Product Number	PVMXS-143HD			
	INSTALLATION OF BODY AND HOIST SYSTEMS	Add:	\$1,490.00		
	HOIST SYSTEM - TO CONVERT TO PLATFORM DUMP BODY	Add:	\$2,985.00		
	40" HIGH STAKE SIDES & REARS	Add:	\$2,180.00		
	TOOL BOX, UNDER BODY, 36" X 18" X 18", WITH INSTALLATION	Add:	\$425.00		

		Estimated Quantity	Unit Price	Estimated Extended Price	Days ARO
6	Body, Platform Dump, 14 Ft.	4	\$8,985.00	\$35,940.00	30
	Vendor Product Number	LTE14/HD			
	INSTALLATION OF BODY AND HOIST SYSTEMS	Add:	\$3,285.00		
	40" HIGH STAKE SIDES & REARS	Add:	\$2,180.00		
	TOOL BOX, UNDER BODY, 36" X 18" X 18", WITH INSTALLATION	Add:	\$425.00		

SPECIFICATIONS FOR BODY PLATFORM, 8-14 FT.

SCDOT Spec. No. B105.36 - 07/07/20

DESCRIPTION: The platform bodies shall be medium and heavy-duty units designed and constructed for highway maintenance applications over a very long life-cycle (15 + years). Five sizes of body are covered in this specification.

CAPACITY: Five sizes, measured in nominal length: 8 ft., 9 ft., 12 ft., 12 ft. (heavy-duty), and 14 ft. (heavy-duty).

DIMENSIONS: Length, width, and other dimensional and structural features shall meet the minimum requirements in the chart below:

Body Size

Requirement	8 Ft.	9 Ft.	12 Ft.	12 Ft. (HD)	14 Ft.(HD)
Truck type	3/4 – 1 ton	3/4 – 1 Ton	1-ton	1 1/2-ton	2-5-ton
CA	56"	60"	84"	84"	102-108"
Length (nom.)	96"	108"	144"	144"	168"
Width	84-94"	94"	94-96"	94-96"	94-96"
Long sills	4"	4"	5"	7"	7"
Cross sills	4"	4"	4"	5"	5"
Side channel	4"	4"	4"	5"	5"
Floor	10ga	10 ga.	10 ga.	3/16"	3/16"
Sides (ht.)	32-38"	32-38"	40-42"	40-42"	40-42"
Rows of slats	3	3	4	4	4
Weights, lbs. min.	700	800	1050	1400	1650

CONSTRUCTION: The platform body shall consist of a frame, one piece floor, sides, and other components. Floor shall be a minimum 50,000 psi steel. The frame shall consist of two (2) full-length longitudinal structural steel channels. Crossmembers (cross sills) shall be full-width "C" section or structural steel channels. Crossmembers shall be spaced at 12 inch centers. Crossmembers shall be supported by triangular gusset plates at the longitudinal sills. End and side rails shall be "C" section, structural, or special shape steel channels.

The floor shall be smooth steel plate. A front DOT bulkhead shall be provided 40 " high, complete with pre-punched visibility opening minimum 60"Wx 20"H. Expanded metal visibility openings are not acceptable. Bulkhead shall have side gussets and shall be fixed or bolt on type. The sides and rear shall be provided with stake pockets to accept universal sides. Successful bidder shall have sides available in-stock.

Mounting locations for lights shall provide a recessed opening or shall be protected by channel shape. Lights shall be the shock-mounting type and recessed in rubber grommets.

A complete lighting package shall be furnished with lights and reflectors to meet South Carolina motor vehicle laws, as well as FMVSS and DOT requirements. Mounting locations (recessed) shall be pre-punched and drilled. Lights shall be the shock-mounting type. Lights, reflectors, and wiring harness shall be provided with all wiring in plastic loom.

TRUCK CHASSIS-CAB: The truck chassis-cab shall be furnished by the Department. If installation is required, the successful bidder will take delivery of the Department's truck at the SCDOT Equipment Depot, 1500 Shop Road, Columbia, South Carolina. The body vendor shall deliver the truck to his facility from the Department's Equipment Depot and return it after installation of the body. The body shall be mounted on the truck in accordance with the specifications. The vendor shall accept full responsibility and liability in transporting the truck, relieving the Department of any loss, liability, or claim whatsoever incurred enroute.

SPECIFICATIONS FOR BODY PLATFORM, 8-14 FT.

During the contract period for bodies, it is expected that the separate state contracts for truck chassis-cabs will result in different year models, manufacturers, and vehicle models. These changes should not significantly affect the body contract.

EQUIPMENT: The unit shall be complete with all standard equipment and accessories normally furnished. In addition, equipment shall be furnished as follows:

1. The unit shall meet all applicable OSHA requirements.
2. Completed body shall be undercoated with petroleum based undercoating.
3. Lighting package with lights, reflectors, and wiring harness to meet DOT/FMVSS regulations and South Carolina Motor vehicle laws.
4. Fuel filler cap(s) support bracket(s). No interference or inefficiency in fuel filler lines is allowable.

EQUIPMENT/SERVICES (OPTIONAL): When requested during the contract term, the following optional equipment and/or services shall be provided.

1. Sides and rear shall be stake-type, inserted into stake pockets. The sides shall be built in removable (lift-out) sections, with interlocking latches. The stakes shall be made of formed steel and have positive lock for each section to prevent accidental fall out.. The slats shall be made of corrugated or formed steel, with four rows of slats. Each section of stake sides shall be removable by the efforts of a single worker. Sides shall be 40" high.
2. Body optional equipment additions, deletions and/or substitutions of equipment as may be required by this specification, based on terms found under special conditions of the bid invitation.
3. Installation of bodies and associated hardware as may be required during the contract term. Installation, if required, shall be in accordance with the following specifications:

No welding on truck frames or drilling of frame flanges is allowable. Full length support contact with the truck frame is required. The truck will be released to the successful bidder with full fuel tanks, and must be completely refueled prior to return. Fuel filler lines must provide adequate drop or fall from cap opening to tank. Some trucks may be equipped with dual tanks. The body must be adequately attached to the truck frame with U-bolts or brackets.

4. 2 or 3 step retractable access ladder with grab handle and positive latch to secure ladder while in horizontal stowed position. Godwin Hide-A-Step Model HAS or equal.

HOIST (Optional): The hoist shall be manufacturer's latest standard conversion (NTEA Class C), and shall include hoist assembly, pump, control valve assembly, cab control for hoist, hinges, body guides, and standard length steel sub-frame. The hydraulic system shall be filled with hydraulic oil, or adequate oil furnished in bulk to fill system. The hoist assembly shall be suitable for installation on 8 ft. to 12 ft. platform body, completely assembled, and ready for operation.

The hoist shall be single cylinder, minimum 5" cylinder, with mounting inside furnished sub-frame assembly. The sub-frame cross-member used to attach the base of the hoist cylinder shall be of box construction, utilizing minimum 3/8" steel, and approximately 5" x 7" in size. Welded braces or gussets shall be used where the cross-member joins the frame. Welded braces or gussets shall be used where the hoist sub-frame joins the truck frame.

The body hinges shall be integrated by welding into a sub-frame rear cross-member. The rear cross-member shall have a minimum of 3.50 square inches cross sectional area. The hinges, brackets, and pins shall be heavy-duty in design and construction. The body hinges shall be suitable for welding the hinge to the body.

SPECIFICATIONS FOR BODY PLATFORM, 8-14 FT.

The hoist rating shall be NTEA Class C (minimum) and not less than 6.5 tons with 12 ft. body and 18" overhang. The hoist manufacturer shall be a current member of the National Truck Equipment Association.

The maximum dumping angle shall be not less than 47 degrees.

The design of the gear type pump shall be such that in its relation to the hoist cylinder there will be no high pressure oil line on which any swivel action occurs. Renewable wearing plates shall be furnished.

Safety devices as required by OSHA Regulations Sect. 1926.601 (6), (10), (11), and (12) shall be furnished. Two (2) body safety props, one on each side, shall be provided.

Additional safety equipment shall include PTO warning light, body raised warning light, and OSHA-type lever lock for the body control lever.

SERIAL NUMBER: Each unit shall be provided with a manufacturer's serial number, unique to each unit, permanently attached by plate or engraving, and easily identified. The serial number shall be used by the Department and the manufacturer to identify units for recall, to aid in recovery of stolen units, to establish ownership, and for other similar reasons.

COLOR: The unit shall be painted or powder coated gloss black. The unit shall be cleaned and primed prior to application of the finish paint. Primer not required for powder coating. Serial and data plates shall be protected from being painted over. Complete body shall be undercoated with petroleum based undercoating.

All manufacturer's standard warning, safety, instructional, and identification decals shall be provided; however, there shall be no vendor or dealer identification or advertising decals allowed.

WARRANTY: The unit shall be warranted against defects in materials and workmanship for a period of not less than twelve (12) months. The warranty start date shall be based on the unit's in-service date as established by its issue from the Department's Equipment Depot to the using field custodian, and the vendor shall perform all the administrative work necessary to accomplish this following notification by the Department.

In the event there is not an authorized parts and service dealership within a reasonable distance of the unit's place of assignment, there shall be a procedure for the Department to make a claim for recovering the cost of parts and labor incurred in performing repairs which otherwise

would have been covered by the warranty. Instructions and forms needed for warranty claims should be attached to the bid.

The unit shall be furnished with a copy of the warranty statement and any necessary cards, booklets, or certificates needed to receive warranty repairs at a dealership.

SERVICE LITERATURE: An illustrated parts book and installation instructions manual shall be furnished with each hoist and body. CD format is preferred and shall be provided if available. Two (2) additional copies shall be furnished to the South Carolina Department of Transportation's Director of Supply and Equipment at the time of delivery of the initial order.

SALES LITERATURE, SPECIFICATIONS, AND QUESTIONNAIRE: It is the bidder's responsibility to ensure sales literature, specifications, questionnaire, and deviations (if any) submitted with the bid are accurate, complete and sufficiently clear as these will be used to evaluate the bid. Each bidder shall attach to his bid illustrated catalog data sheets with manufacturer's complete printed specifications covering the class or type of equipment covered by the bid. This material shall show

SPECIFICATIONS FOR BODY PLATFORM, 8-14 FT.

reasonable evidence of having been printed and publically available over the internet before publication of the bid notice and shall be sufficiently detailed to permit the Department's engineers and/or staff to properly evaluate the bid. Each bidder shall attach to his bid a completed questionnaire. Any deviation from these specifications must be clearly pointed out; otherwise it will be considered that items offered are in strict compliance with these specifications, and the successful bidder will be held responsible therefore. Deviations must be explained in detail on separate attached sheet(s).

PILOT MODEL: A body and hoist shall be furnished for installation by the Department as a pilot model to verify dimensional and other requirements. This installation shall be used to determine mounting details or minor changes needed. All subsequent units shall be manufactured and furnished to match the approved pilot model and the approved changes. Should the pilot model be found unacceptable to the Department, the contract may be terminated upon written notification.

GENERAL: The body and hoist shall be of the latest design and in current production. It shall operate efficiently in dumping the body of maximum dimensions specified herein and will form a satisfactory unit in connection with the body and truck chassis. The right is reserved to reject any and all bids proposing to furnish equipment which in the opinion of the Department's engineers and/or staff is not satisfactory for the Department's use in the proposed application.

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SPECIFICATIONS FOR BODY, PLATFORM DUMP, 14 FT.

SCDOT Spec. No. B106.43- 07/07/20

DESCRIPTION: Platform body, heavy-duty, and with dump hoist designed and constructed for handling stone, dirt, and asphalt in highway maintenance applications over a very long life-cycle (15+ years).

DIMENSIONS: The outside width of the body shall be approximately 95 inches and the length 166-172 inches.

MATERIAL: The body shall be constructed of not lighter than 3/16" high tensile sheet steel. Steel shall be mill certified minimum 50,000 psi yield. The side posts shall be steel, and side boards shall be wood.

CAB SHIELD/BULKHEAD: The body shall be equipped with a 48" fixed or bolt on, all steel, full-width, DOT type bulkhead, strongly constructed of not less than 10-gauge steel and adequately braced with wingback supports (reinforcement posts). There shall be a pre-punched visibility opening minimum 60"W x 18" H. Expanded metal visibility opening not acceptable.

BODY: The body shall be all steel, with smooth steel deck, 4 inch steel channel cross-members on 12 inch centers and 7 inch structural steel longitudinal members. The body shall have formed sides made of 10gauge high tensile 50,000 psi mill certified.

The front of the body shall be equipped with the bulkhead. There shall be standard size and shape stake pockets on the sides and rear of the body. Stake pockets shall be located inside the side members.

A lighting package shall be furnished with lights, reflectors, and wiring harness to meet South Carolina motor vehicle laws, as well as FMVSS and DOT requirements. Mounting locations shall be pre-punched and drilled. Lights shall be the shock-mounting type and recessed in rubber grommets. Custom one piece sealed wiring harness shall be furnished with wiring in protective loom. All lights shall be LED.

HOIST: The hoist shall be manufacturer's latest standard telescopic (NTEA Class E), and shall include hoist assembly, pump, control valve assembly, cab control for hoist, hinges, and body guides. The hydraulic system shall be filled with hydraulic oil, or adequate oil furnished in bulk to fill system. The hoist assembly shall be completely assembled and ready for operation.

The hoist shall be twin, minimum, 5" cylinders with mounting inside or outside the truck frame. Welded braces or gussets shall be used where the cylinder nest joins the frame. Hoist frame to be constructed of 100,000 psi mill certified steel.

The body hinges shall be integrated by welding into a sub-frame rear cross-member. The rear cross-member shall be engineered to accommodate the capacity of the hoist system. The hinges, brackets, and pins shall be heavy-duty in design and construction. The body hinges shall be suitable for welding the hinge to the body.

The hoist rating shall be NTEA Class E (minimum) and not less than 14 tons with 14 ft. body. The hoist manufacturer shall be a current member of the National Truck Equipment Association and the hoist system shall be listed on the current NTEA Dump Body & Conversion Hoist Chart.

The maximum dumping angle shall be not less than 47 degrees.

The design of the gear type pump shall be such that in its relation to the hoist cylinder there will be no high pressure oil line on which any swivel action occurs. Renewable wearing plates shall be furnished. Hydraulic pump shall be air shift type air toggle valve allowing full feathering of load and suitable for dash mount.

SPECIFICATIONS FOR BODY, PLATFORM DUMP, 14 FT.

Safety devices as required by OSHA Regulations Sect. 1926.601 (6), (10), (11), and (12) shall be furnished. Two (2) body safety props, one on each side, shall be provided.

Additional safety equipment shall include PTO warning light and body raised warning light.

TRUCK CHASSIS-CAB: The body and hoist shall be furnished for subsequent installation by the South Carolina Department of Transportation. The truck chassis-cab application shall be as follows:

14 ft. platform dump body: Current Model Ford F-650/750 102-108" CA, 190" WB, with Allison Model 3500 RDS transmission.

During the contract period for bodies, it is expected that the separate state contracts for truck chassis-cabs will result in different year models, manufacturers, and vehicle models. These changes should not significantly affect the body contract.

EQUIPMENT: The unit shall be complete with all standard equipment and accessories normally furnished. In addition, equipment shall be furnished as follows:

- 1- The unit shall meet all applicable OSHA requirements.
- 2- Muncie power-take-off (PTO). CS24 Series w/ drag brake
- 3- Lighting package with lights, reflectors, and wiring harness to meet DOT/FMVSS regulations and South Carolina motor vehicle laws.
- 4- PTO warning light.
- 5- Body raised warning light.
- 6- All necessary mounting materials and hardware.
- 7- Complete body shall be undercoated with petroleum based undercoating.

EQUIPMENT/SERVICES OPTIONAL: When requested during the contract term, the following optional equipment and/or services shall be provided.

- 1- Body optional equipment additions, deletions and/or substitutions of equipment as may be required by this specification, based on terms found under special conditions of the bid invitation.
- 2- Installation of bodies and associated hardware as may be required during the contract term.
- 3- 2 or 3 step retractable access ladder with grab handle and positive latch to secure ladder while in horizontal stowed position. Godwin Hide-A-Step Model HAS or equal.

SERIAL NUMBER: Each unit shall be provided with a manufacturer's serial number, unique to each unit, permanently attached by plate or engraving, and easily identified. The serial number shall be used by the Department and the manufacturer to identify units for recall, to aid in recovery of stolen units, to establish ownership, and for other similar reasons.

COLOR: The unit shall be painted or powder coated gloss black. All oil, grease, dirt, etc. shall be removed chemically or whatever means necessary and primed prior to application of the finish paint. All dump body surfaces (top, underneath, inside and outside perimeter) to

SPECIFICATIONS FOR BODY, PLATFORM DUMP, 14 FT.

be 100% abraded by sandblasting or shot blasting to remove all surface rust and mill scale/slag. Any blast media residue shall be removed before painting. Partial abrading of inside and outside corners only is not acceptable. All surfaces shall be abraded to a SP-10 finish. Serial and data plates shall be protected from being painted over.

There shall be a zinc/epoxy primer used that is to be certified for a minimum of 3000 hours in an SAE B-117 salt spray test. The finish paint shall be certified for 1000 hours for this same test. The undercoating is to be certified for 800 hours for the salt test.

A zinc rich epoxy primer shall be applied to accommodate a 3000 hour certification. (If using a liquid primer a sealer must be applied to prevent out gassing and pinholes in finish paint.)

A black high gloss top coat shall be applied to accommodate a 100 hour certification. It shall have a gloss rating of 90% or higher.

The underneath of the dump bed shall have paintable water based rubberized undercoating applied to accommodate an 800 hour certification.

The combined paint system finish shall pass an SAE B-117 accelerated salt spray test for no less than 4000 hours. Any methods, practices, or products must abide and be certified to meet this specification prior to bid opening. Paint systems and material certification must be made available upon request.

All manufacturer's standard warning, safety, instructional, and identification decals shall be provided; however, there shall be no vendor or dealer identification or advertising decals allowed.

WARRANTY: The unit shall be warranted against defects in materials and workmanship for a period of not less than twelve (12) months. The warranty start date shall be based on the unit's in-service date as established by its issue from the Department's Equipment Depot to the using field custodian, and the vendor shall perform all the administrative work necessary to accomplish this following notification by the Department.

In the event there is not an authorized parts and service dealership within a reasonable distance of the unit's place of assignment, there shall be a procedure for the Department to make a claim for recovering the cost of parts and labor incurred in performing repairs which otherwise would have been covered by the warranty. Instructions and forms needed for warranty claims should be attached to the bid.

The unit shall be furnished with a copy of the warranty statement and any necessary cards, booklets, or certificates needed to receive warranty repairs at a dealership.

SERVICE LITERATURE: An illustrated parts book and installation instructions manual shall be furnished with each hoist and body. CD format shall be provided, if available. Two (2) additional copies shall be furnished to the South Carolina Department of Transportation's Director of Supply and Equipment at the time of delivery of the initial order.

SALES LITERATURE, SPECIFICATIONS, AND QUESTIONNAIRE: It is the bidder's responsibility to ensure sales literature, specifications, questionnaire, and deviations (if any) submitted with the bid are accurate, complete and sufficiently clear as these will be used to

SPECIFICATIONS FOR BODY, PLATFORM DUMP, 14 FT.

evaluate the bid. Each bidder shall attach to his bid illustrated catalog data sheets with manufacturer's complete printed specifications covering the class or type of equipment covered by the bid. This material shall show reasonable evidence of having been printed and publically available over the internet before publication of the bid notice and shall be sufficiently detailed to permit the Department's engineers and/or staff to properly evaluate the bid. Each bidder shall attach to his bid a completed questionnaire. Any deviation from these specifications must be clearly pointed out; otherwise it will be considered that items offered are in strict compliance with these specifications, and the successful bidder will be held responsible therefore. Deviations must be explained in detail on separate attached sheet(s).

PILOT MODEL: A body and hoist shall be furnished for installation by the Department as a pilot model to verify dimensional and other requirements. This installation shall be used to determine the requirements. This installation shall be used to determine the lengths of the two pump driveshaft sections and other mounting details or minor changes needed. All subsequent units shall be manufactured and furnished to match the approved pilot model and the approved changes. Should the

pilot model be found unacceptable to the Department, the contract may be terminated upon written notification.

GENERAL: The body and hoist assembly shall be of the latest design and in current production. It shall operate efficiently in dumping the body of maximum dimensions specified herein and must form a satisfactory unit upon installation on the truck chassis. The right is reserved to reject any and all bids proposing to furnish equipment which, in the opinion of the Department's engineers and/or staff, is not satisfactory for the Department's use in the proposed application.

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