

**BID SUBMITTAL FORM**  
**Alabama County Joint Bidding Program**  
**BID ITEM – HEAVY DUTY DUMP CHASSIS OPTION D**

Company Name: Capital Volvo

Address: 185 West Blvd.

Montgomery, AL 36108

Bid Submitted by: Bill Maxwell  
(Name of company representative)

Title: Sales e-mail address: Billmaxwell@Capitalvolvo.com

Phone: 334-850-5447 Fax: \_\_\_\_\_

By submitting this bid, we agree:

Initials

That the equipment model number identified below meets the bid specs for this bid item

Bm

That the bid price will be honored for all counties for the period from Jan. 1, 2020 to Dec. 31, 2020.

Bm

That the equipment will be delivered at the bid price to all counties participating in the joint bid program

Bm

That the company representative listed above will be the contact person for purchasing this bid item under the joint bid program

Bm

That the bid is accompanied by a current catalog or model specification document for the model number identified below

Bm

That the bid is accompanied by a copy of the manufacturer's standard warranty as required in the bid specifications

Bm

That the bid includes the e-verify documentation required by Alabama law

Bm

That, if awarded the bid, a performance bond will be provided upon request

Bm

That an option sheet with individual pricing is attached

Bm

Total Bid Price including options: \$ 124,851.12

Equipment Model #: VHD64F300

Description: Volvo Vocational Day Cab

Signature of company representative submitting bid: Bill Maxwell

Title: Sales

## OPTION COST SHEET FOR HEAVY DUTY DUMP TRUCK CHASSIS OPTION D

### Option

### Option Price

Allison 4500-RDS-6 six speed Automatic  
Transmission

\$ 9791.84

**NOTE:** Award will be made on the basis of the total cost of the truck chassis with the option included. However, a county may, at its discretion, deduct the above-referenced option from the truck chassis, and in such event, the cost of the option as stated on the bid shall be deducted from the total cost of the truck chassis. There shall be no other deductions and no additions made to the truck chassis by the purchasing county or by the vendor.

Equipment Model #: VHD64F300

Description: Volvo Vocational Day Cab

Signature of company representative submitting bid: Bill Maxwell

Title: Sales

# **BID SPECIFICATIONS FOR HEAVY DUTY DUMP TRUCK CHASSIS - OPTION D**

## **GENERAL**

These specifications shall be construed as the minimum acceptable standards for a heavy duty dump truck chassis. Should the manufacturer's current published data or specifications exceed these standards, the manufacturer's standards shall be considered minimum and shall be furnished. All integral parts not specifically mentioned in the scope of these specifications that are necessary to provide a complete working unit shall be furnished. Additionally, the machine offered for bid shall include all standard manufacturers' equipment.

The use of specific names or numbers in the specifications is not intended to restrict the bidder or any seller or manufacturer, but is intended solely for the purpose of indicating the type, size, and quality of equipment considered best adapted to the uses of counties participating in this joint bid.

Note all units offered for bid must be of manufacturer's current production model and must be fully compliant with EPA standard US17 without the use of EPA engine credits. Chassis should be equipped with the appropriate diesel particulate filter and SCR after treatment system.

## **BID SUBMITTAL FORM**

Each bidder must submit his or her bid on the Bid Submittal Form included in the invitation to bid package. All written warranties to be submitted shall be attached to the Bid Submittal Form.

## **BID PRICE**

The price bid shall include all destination charges, delivery charges, title fees, rebates and all other applicable costs and refunds.

## **REPLACEMENT PARTS AVAILABILITY**

Parts must be available for 5 years or 500,000 miles of use for the piece of equipment bid.

## **WARRANTY**

Bidders shall submit a copy of the manufacturer's standard warranty along with a complete explanation of the warranty with their bid. Warranty must be transferable. Warranty must include the following minimum coverage:

Basic Vehicle: 1 Year or 100,000 miles

Diesel Engine: 2 year or 250,000 miles. However, counties will have the option to purchase additional coverage (an extended warranty) if negotiated between the purchasing county and successful bidder within the first 9 months of truck purchase.

Transmission: 3 Year or 300,000 miles

Rear Carriers: 3 Year or 300,000 miles



Yes ☒ No ☐  
Page # \_\_\_\_\_  
or  
Attachment 1

### **ASSEMBLY AND DELIVERY**

The truck chassis will be purchased for use with a 16' dump body and optional body equipment that is to be bid separate and apart from the truck chassis. The dump body company will be responsible for assembly and installation of the dump body and related optional equipment, including the cost of the same. The selling truck chassis dealer will be responsible for delivery of the chassis to the dump Body Company for installation and for delivery of the complete dump truck unit to the county following installation and assembly of the dump body and related options onto the truck chassis. Freight to and from the Dump Body Company will be included in the truck bidder's proposal. Dump body installation and assembly costs will be included in the dump body bidder's proposal.

### **DOT INSPECTION AND SAFETY EQUIPMENT**

Prior to delivery each unit shall be DOT inspected and include the appropriate documentation and decal. In addition each unit shall be equipped with the required fire extinguisher and reflective triangle kit.

### **ENGINE AND RELATED COMPONENTS**

Shall be an in line 6 design 13-liter, overhead cam, turbo charged diesel engine capable of developing 455HP with a torque rating of 1740 FT#.

Yes ☒ No ☐  
Page # 3

Engine shall have full wet replaceable cylinder liners, fuel injection system to be electronic common rail injection.

Attachment II  
1017X8

Yes ☒ No ☐  
Page # \_\_\_\_\_

Air intake system shall have a single dry element with a restriction indicator.

Yes ☒ No ☐  
Page # 3 & 10

Turbo air shall flow through a chassis mounted charge air cooler, engine cooling system to have a minimum 930 square inches of frontal area, aluminum core radiator with silicone hoses throughout and coolant protection to -34 degrees F.

Exceeds spec.  
Attachment III

Yes ☒ No ☐  
Page # 3

Fan drive to be electronically modulated multi-speed viscous type with a poly V Belt with automatic tension control.

See specs.

Yes ☐ No ☐  
Page # 3

Single vertical B-Pillar mounted exhaust, providing a clean BOC, with bright finish Heat shield, elbow and stack.

Yes ☒ No ☐  
Page # 3 & 4

DPF element/SCR catalyst combined in a single unit mounted on passenger side frame rail under passenger door.

Yes ☒ No ☐  
Page # 3

Factory installed integral Engine Brake.

Yes ☒ No ☐  
Page # 4

Engine electronics to have:

Full diagnostic capability

Yes ☒ No ☐  
Page # 5

Road Speed limiting and Cruise control feature

Yes ☒ No ☐  
Page # 4 + 5

Shutdown capabilities for critical engine functions

Yes ☒ No ☐  
Page # 5

#### STARTING AND ELECTRICAL SYSTEM

12-Volt system fuse/circuit breaker protected

Attachment IV  
Fuse & Relay Locations

Yes ☒ No ☐  
Page #       

12V gear reduction starter, 12V 135-amp alternator (24si)

Yes ☒ No ☐  
Page # 3

(2) 12V maintenance free batteries with 1000 cold cranking amps each, batteries to be mounted in a single steel box with polished aluminum cover.

Yes ☒ No ☐  
Page # 3

#### TRANSMISSION AND DRIVELINE

Automated manual twelve (12) speed Volvo or equivalent I-shift transmission overdrive design with a minimum first gear reduction of 17 to 1.

Attachment V + VI  
270708 Spec

Yes ☒ No ☐  
Page #       

Transmission should have oil cooler with dash mounted temperature gauge, left and right side PTO access gears with appropriate clearance.

Attachment V  
270708

Yes ☒ No ☐  
Page #       

Volvo Sachs 17-inch Single plate dampened organic or Equivalent.

Attachment V + VI

Yes ☒ No ☐  
Page #       

Main drivelines Spicer with greaseable XL U-Joints

Yes ☒ No ☐  
Page # 4

## CAB EXTERIOR

Cab to be Class 8 design welded high strength steel cab shell for construction and vocational applications.

See Specs

Yes ☒ No ☐  
Page # 3

Cab doors should also be of high strength steel and have high visibility windows. In addition, both doors shall have power window controls and door locks.

Brochure VII

Yes ☒ No ☐

Page # \_\_\_\_\_

Cab mounting should be air suspended at rear on dual air bags mounted outside the frame rails.

See Specs

Yes ☒ No ☐  
Page # 8

Cab should feature:

Dual air horns in addition to the standard electric signal horn

See Specs

Yes ☒ No ☐  
Page # 9

Bright finish power heated West Coast mirrors with 8" convex mirrors mounted below the West Coast mirrors. Mirrors to be mounted on break away brackets to protect door skin.

Yes ☒ No ☐  
Page # 9

Painted molded aerodynamic visor with clear led marker lights

Attachment VIII

Yes ☒ No ☐  
Page # 7

Cab glass to be safety tinted

Attachment X

Yes ☒ No ☐  
Page # 4

Cab to have interior grab handles of both sides of cab

Brochure

Yes ☒ No ☐  
Page # 42

Cab exterior and chassis to have all required DOT and ICC lighting (turn signal indicators, emergency flashers, rear stop, tail, turn and backup lighting.)

Yes ☒ No ☐  
Page # 10

Hood is to be a full tilting fiberglass design with safety latch to include bright finished grill, and bright finish full hood surround. Hood to have in cab release.

Attachment XI

Yes ☒ No ☐  
Page # \_\_\_\_\_

Cab and hood paint color to be selected from manufacturer's standard non-metallic paint chart.

See Specs.

Yes ☒ No ☐  
Page # 11



## CAB INTERIOR

Cab interior to include the following:

Storage tray on back wall of cab and in overhead console Attachment XII Yes ☒ No ☐  
43XDIX Page # 11

Cab interior is to be mid-grade level fully groomed with headliner, back wall and windshield pillar post and door panels covered Brochure Yes ☒ No ☐  
Page # 56

Cab should have interior sun visors on both sides of cab. Attachment X Yes ☒ No ☐  
Page # 5

Cab floor should be covered with black polyurethane mat. Exceeds Spec. XIII Yes ☒ No ☐  
31XK2X Page #       

Dash features to include:

Metallic Hex Appearance Yes ☒ No ☐  
Page # 9

Center mount console with cup holders Attachment XV Yes ☒ No ☐  
Page #       

Full adjusting tilt and telescopic steering column Yes ☒ No ☐  
Page # 10

Transmission oil temperature gauge Yes ☒ No ☐  
Page # 11

Cab seats should be:

Driver national seat high back with back cyclor Yes ☒ No ☐  
Page # 9

Passenger seat to be fixed design Yes ☒ No ☐  
Page # 9

Both seats to have fabric covering with required lap and shoulder belts. Yes ☒ No ☐  
Page # 9

Factory installed integral air conditioning with R134A refrigerant and rotary type air conditioner compressor. Yes ☒ No ☐  
Page # 9

AM/FM/CD radio with clock, weather band and Blue Tooth capability, two- way radio power leads with mounting plate installed in the dash with dual mirror mounted antennas.

Attachment XVI  
S90014

Yes ☒ No ☐  
Page # 11

Two additional dash mounted power outlets to be furnished.

Brochure

Yes ☒ No ☐  
Page # 12

Windshield wipers to be two (2) speed electric with washer and intermittent feature.

Attachment VII

Yes ☒ No ☐  
Page #

### AIR BRAKES

Brake system to be full dual antilock air design with heated air dryer.

Yes ☒ No ☐  
Page # 349

Air compressor should have 18.7CFM capacity and increased air reservoir capacity for the local installation of a pusher style third axle.

Yes ☒ No ☐  
Page # 4

System to include an in cab control valve for rear service brakes.

Brochure

Yes ☒ No ☐  
Page # 13

### FRAME/BUMPER/FUEL TANKS

Steel 120,000 PSI steel frame rails 11.81" x 4.13" x 0.44" with a section modulus of 26.3 and a RBM per rail of 3,160,000.

Yes ☒ No ☐  
Page # 8

222"-226" wheelbase with a 135"-139" cab to axle and a 194"-201" load platform.

Yes ☒ No ☐  
Page # 7

Heavy-duty back to back channel cross members with huck bolt fasteners throughout.

Attachment XVII

Yes ☒ No ☐  
Page #

Front Bumper Polished stainless-steel clad aluminum 3 piece with recessed tow hooks and HD Chrome plated steel radiator guard

Yes ☒ No ☐  
Page # 8-9

Fuel tank(s) to be aluminum with a minimum of 75-gallon capacity.

Specs.

Yes ☒ No ☐  
Page # 7

### FRONT AXLE

20,000 Reverse Elliot design steel I beam axle with 20,000# multi leaf suspension and shock absorbers

Attachment XVIII  
370407

Yes ☒ No ☐  
Page # 6



20,000# integral power steering

Yes ☒ No ☐  
Page # 6

Maximum of 34.5" spring centers

Attachment XVIII  
370407

Yes ☒ No ☐  
Page #         

**SET FORWARD** front axle position only.

Attachment XIX

Yes ☒ No ☐  
Page #         

Unitized sealed (maintenance free) front wheel hubs.

Yes ☒ No ☐  
Page # 6

Sealed tapered kingpins and bearings.

Attachment XVIII

Yes ☒ No ☐  
Page #         

Meritor "S" cam design 16.5" x 6" Q+ brakes with:  
Outboard mounted drums and Dust Shields

Yes ☒ No ☐  
Page # 6

Automatic slack adjusters

Yes ☒ No ☐  
Page # 6

Front wheels to be Aluminum ten (10) hole bud style, hub piloted 22.5" x 12.25".

Yes ☒ No ☐  
Page # 11

Front tires to be 18 ply 425/65R22.5 radials Bridgestone M854, Goodyear G296MSA or Michelin XZY3.

Exceeds specs.

Yes ☒ No ☐  
Page # 11

### **REAR AXLE**

46,000# capacity (4.19-4.30) ratio double reduction design tandem rear axle with top loaded carriers and 46,000# multi leaf rear suspension with anti-sway springs, transverse torque rod and bronze center bushings. Leaf over walking beam design with bronze center bushings will be accepted as a substitute, however no Reyco, air ride suspensions will be accepted.

Exceeds Specs.

XX  
XXI

Yes ☒ No ☐  
Page # 6

In cab Power divider lock out valve with warning light and buzzer.

Yes ☒ No ☐  
Page # 6

Meritor "S" cam design 16.5" x 7" Q+ brakes with:  
Outboard drums and dust shields

Yes ☒ No ☐  
Page # 6

Driver controlled inter wheel differential locks for both rear axles with manual valve and warning light.

Yes ☒ No ☐  
Page # 6

Automatic slack adjusters

Yes ☒ No ☐  
Page # 7

Brake chambers shall be 30/30 or 24/30 style chambers with raised chambers.  
on rear axle

Yes ☒ No ☐  
Page # 7

Rear wheels to be Alum Disc (10) hole bud style, hub piloted 24.5x 8.25 inside and out.

Yes ☒ No ☐  
Page # 11

Rear tires to be 14 ply traction radials Bridgestone M770, Goodyear G622RSD,  
or Michelin XDS2.

Yes ☒ No ☐  
Page # 11

### **OPTIONS**

In addition to the above options related to the tri axle or heavy-duty dump truck chassis, the bid must also include the cost for each of the following options, itemized separately on the bid:

Furnish, as an alternate transmission to the Automated Manual 12 speed Volvo I shift in the base bid, an Allison 4500-RDS-6 six speed automatic over drive.

I shift Specs VI

Yes ☒ No ☐  
Page # 4

**NOTE:** Award will be made on the basis of the total cost of the truck chassis with all options included. However, a county may, at its discretion, deduct the above-referenced option from the truck chassis, and in such event, the cost of the option as stated on the bid shall be deducted from the total cost of the truck chassis. There shall be no other deductions and no additions made to the truck chassis by the purchasing county or by the vendor.