GENERAL BIDDING GUIDELINES:

If bid specification is met than place a check in the column marked “YES”. If it is necessary to bid alternate equipment or to take exceptions to the specifications as set forth, this must be checked as “NO”.

The Basis of Award shall be dependent on the most responsible bid submitted. Consideration will be given to cash flow, purchase price, delivery dates, equipment service guarantees, parts and service availability, parts and service location, analyses and comparison of equipment specification details, and any other items of concern to the City of Laurel.

The purchaser reserves the right to reject any or all bids, to waive any informality in bids, or to accept in whole or part such a bid as may be in the best interest of the City of Laurel.

The purchaser also reserves the right to reject the vehicle at the time of final inspection if the vehicle does not meet any and/or all requirements of the final contract according to the personnel acting on behalf of the department at the time of final inspection. These requirements include, but are not limited to: performance, workmanship, service, quality and operation of the vehicle.

Please state the estimated delivery time after receipt of order in days: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**BID SPECIFICATIONS FOR ROLL-OFF CHASSIS**

y N

FOR NEW MODEL YEAR 2022 CAB AND CHASSIS

ALL STANDARD CAB/CHASSIS OPTIONS TO BE INCLUDED ENGINE:

13-Liter @ 375 horsepower, 2100 rpm 1450 lb-ft torQue

E.AA 2014-e Illis-5 ia.o..1'we.I

ENGINE EQUIPMENT:

Single stage air cleaner; hood-mounted air intake 1240 sq. in., 2-core radiator

Extended life antifreeze to -34 (Fahrenheit) Electronic viscous fan clutch

Delco Remy 12V 39 MTHD Starter

(3)-CCA maintenance free 12V batteries, 1950 CCA 1Vtanual battery disconnect main switch

18.5 gallon LH frame-mounted Diesel Exhaust Fluid (DEF) tank Compact DPF mounted RH side under cab, frame-mounted SCR Cab-mounted vertical, 10-ft aluminized stainless steel stack Dual engine-mounted fuel filters with water separator

12V Electric fuel heater

Wabco 31.8 CFM compressor

Phillips 120V 1500W LH receptacle block heater Engine break

Prep for front engine PTO - for 1350/1450 flange

TRANSMISSION:

6 -speed automatic transmission direct drive premium shifter Synthetic transmission lubricant

Water to oil trans cooler in radiator

Spicer life driveline with XL U-joints; upgrade driveline two sizes 17" single plate dampened organic clutch (no clutch pedal}

FRONT AXLE:

14,600 pound front springs

Front brake Bendix Spicer, Cast S-cam, standard lube; size = 16.5 x 5 Cast iron front brake drum, outboard-mounted

Brake lining material front, Bendix Spicer ES-600 Front brake dust shields

Iron preset front axle hub Conmet Plus front oil seal

Wheel nut type- lock tab front spindle nuts Stemco visible cap with drain

Synthetic front axle lubricant

TRW THP60 integral power steering gear; sealed drag link Parabolic leaf front suspension

Front shock absorbers REAR AXLE:

Meritor MT-40-14X4D Hypoid (heavy-duty housing} 40K lb capacity

3.55 rear axle ratio lnteraxle differential lock

40K lb 2-leaf firm ride parabolic spring suspension, 54" spacing Rear shock absorbers

Rear brake Bendix Spicer, Cast S-cam, standard lube; size 16.5 x 7 Cast iron drive axle brake drum, outboard mounted

Rear brake dust shields

Brake lining material drive, Bendix Spicer ES-600 Iron preset drive axle hub

Wheel nut type- lock tab drive spindle nuts Conmet Plus drive oil seal

Chevron Delo gear lubricant ESI SAE 80W-90 Haldex brake adjuster- front, rear, and pusher

AUXILIARY AXLE:

Hendrickson Composilite ST 13k steerable pusher axle, factory installed Spacing 60" ahead of FWD drive axle

Auxiliary axle brake size 15 x 4 Cast iron auxiliary brake drum

Pusher brake Bendix Spicer, Cast S-cam, standard lube Pusher brake lining material,Eaton EES-600

Aux. axle control- up/down switch inside cab only Iron preset auxiliary axle hubs

Chicago Rawhide Plus XL auxiliary oil seals Wheel nut type- lock tab auxiliary spindle nuts

CHASSIS:

Frame-mounted SCR (Selective Catalytic Reduction)

LH battery box, 3-capacity; DEF tank mounted behind battery box 291" wheelbase, SS" overhang

Meritor Wabco air dryer, 1200UP w/ heater and coalescing oil filter Steel air tanks; manual pull cord on all tanks

Frame rail- 11.81" x 4.13" x .44" straight steel rails Steel construction 3-piece bumper

Two front towing devices; two rear tow hooks (frame-mounted) CAB (OUTSIDE):

High-strength steel day cab with B-pillar mounted exhaust Air-ride cab suspension with lateral dampeners

Stationary front grill; bug screen behind grill Dual trumpet air horns mounted under cab

Black vocational heated, power axis mirrors with long arms Auxiliary down-view mirror over passenger door

Fiberglass exterior sun visor with LED marker lamps Electric backup alarm

Complete body builder kit, ECU dash to chassis; connections back of cab Halogen headlamps; daytime running lights; dual w/ integral backup lights

CAB (INSIDE):

18" Steering wheel,adjustable steering column Driver-side SRS air bag

Safety belt indicator and audible reminder

Bendix anti-lock brake system; traction control w/ limited disable

National Comfort air suspension high back driver seat, fabric Inboard driver seat armrest

Stationary tool box high back passenger seat, fabric Integral air-conditioner with heater- manual controls

Netted overhead storage (both sides) w/ CB mounting and aux switches 10-gauge instrument cluster w/ premium driver information display Enhanced diagnostics display in cluster (for basic and OBD fault codes) AM/FM, CD, MP3, Bluetooth radio; Speakers in dash

Marker and headlamp interrupt, radio, phone controls in steering wheel Self-cancelling turn signal switch

Dash-mounted CB hold down

Multi-purpose antenna 48" LH mirror mounted (AM/FM/CB)

Manual window lift; Manual door locks; 4 basic unique keys provided One 12-volt electrical dash outlet

5-pound ABC dry type rechargeable fire extinguisher, mounted in cab Auxiliary safety- triangle reflector kit

Instep lamp on driver side door Interior illumination- LED lighting

New two-way radio to City of Laurel Specifications to be installed by Industrial

Communications, Billings, MT

TIRES AND WHEELS

12R22.5H Bridgestone R250F (14,780 lbs. GAWR) front tires

22.5 x 8.25 Accuride steel powder coat white 286B 5 HH hub piloted, front wheels 11R22.5G Bridgestone M770 (23,360 lbs. GAWR) rear tires

22.5 x 8.25 Maxion powder coat white 286BC 5 HH hub piloted, rear wheels 275/70R22.5J Bridgestone R250ED (14,000 lbs. GAWR) auxiliary tires

22.5 x 8.25 Maxion steel powder coat white 286BC 5 HH hub piloted, aux wheels One spare 11R22.5 Bridgestone tire mounted on white steel 22.5 x 8.25 wheel

PAINT:

Cab single color paint- Glacier White Chassis single color paint- Black Bumper color- Glacier White

MANUALS:

All parts and service manuals

STATE BASE WARRANTY COVERAGES:

Engine:, \_ Transmission:. \_

DESCRIPTION TYPE STRUCTURAL

### CONTROLS

HYDRAULICS

CYLINDERS

PERFORMANCE

LIGHTING

lv11NIMUM REQUIREMENTS

### Chain ASA 200 50,000 lb. or more

MlUn Hoist Frame Tensile Strength 58,000 PSI

Container Guides 11.'' Steel Plate with Replaceable *W'* Abrasion Resistant Wear Strips

Located in cab within reach of

### driver to allow engaging, loading,

& unloading of container \'\'ithout leaving cab. Hoist up Warning Light.

35-gal. tank, truok frame mounted

with 10" clean-out port

10 micron spin-on type retmn line

### filter element

Standard **PTO:** Air over Air direct mount Direct Mount Gear Driven Hydraulic Pump Heavy-duty filter in·retum line

with shut-off valve

.A.11piping held in place by

neoprene shock absorbing clamps

### Five-inch outside truck frame mounted

Unit purchased shall be capable of loading & unloading containers where weight of the roll-off system

& 3--ax. le chassis will equal or exceed max. imum legal loads on a 3-axle unit. Unit shall be capable of fully engaging a 22 ft. container skid.

### Combination stop-tum-tail Lights -LED All lights & reflectors to confonn

to Montana Vehicle & Federal codes

-----

DESCRIPTIQN

### FENDERS

N1INTh1UM REQUIREMENrs

### Full coverage frame mounted with mud flaps both behind & ahead of rear wheels

NlISCELLANEOUS Shall meet all DOT & OSHA

regulations

Unit shall be from a standard, recognized manufacturer who has been maoufucturing roll-off units for a minimum of two years & is recognized inthe industry as such. Unit shall be of the latest manufacture.

### Two (2) complete sets of operating,

parts, & service manuals.

WET L1NE A hydraulic line shall be provided to the back of the truck to allow for connection to refuse container that require hydraulics inorder

to be dumped. All lines *to* be

### protected.

EQUJPMENT BOX Box shall have minimum dimensions

of 36" long x 18" wide x 18" deep.

Box to be constructed ofsteel with over-lapping hinged lid and shall be mounted on driver's

side of unit

### REAR CONTAINER

LOCKS Spring Loaded 'rvith 44" of travel min.

PA..INT Black

WARRANTY 12-month minimum warranty of all parts & labor, except for lubrication and filters. The City shall be furnished (a! no charge) copies of invoices for all work perfonned under warranty. They shall show all parts and labor charges.

DESCRIPTION

WARRANTY/

continued

OPTIONAL SHOW

PRICE

OPTIONAL

# MINlMUM REQUIREMENTS

### All Warranty Work shall be done by a company located in Billings. Bidder shall state name and location of warranty dealer:

Hendrickson Parnlift Ultra Self­

steering, air lift, air suspen-

sion with single tires on Hub Piloted Budd rims, suspension capacity of 10,000 *lbs.* &

axle capacity of 15,000 lbs. Unit to be installed complete ina pusher

### configuration compattble with roll-<1ff

unit. Axle layout shall be in accord-

ance with State of Montana GVW regula­ tions and shall provide aminimum of 42,000 lb. legal capacity on the rear

axles and optimum weight distribution to front axle. Controls mounted in cab.

Bidder shall show price to provide 100% 5 year warranty on tb.e Lift Cylinders.

Bidder shall show price to provide additional 12month warranty for all parts & labor except for lubri­ cation and filters.

### Roll-off truck tarp cover system operated from hydraulics ontruck. Capable of covering all height/ length containers. State brand

and model number.

All other optional equipment available shall be quoted. Use additional sheet.

# DESCRJPTION M1NIMOM REQUIREMENTS

### Bidders sbaJl include with this proposal, satisfactory evidence that there is, available inthe City of Billings, an adequate supply of

replacement parts as may be required for foe repair

& :maintenance of any unit purchased

as a result of the bid. The inability of any bidder to include such evidence shall

result inan unfuvorable consideration of this bid.

Consideration will be given incomparing proposals and awarding a contrnct not only to the amount of the proposal but also to the kind and quality of equipment.offered, its suitability forthe use in purposes intended, as well as the lowest ultimate cost to the City, and delivery date. Bidder must have recently perfonned a demonstration of model for bid to be considered. Previous history of poor performance, parts availability, and warranty service vv-ill exclude a bidder from consideration.

END SPECIFICATIONS