



# Bid Specifications for

## Thermo-Lay model UD 625-120



6 1/4 yard truck mounted machine with hydraulic bins & roller

### DIMENSIONS:

Body:

142" long, 78" wide, 43" high

Total Height above ground:

98"

Cab to trunion required:

138"

Wheel base required:

204" on Freightliner FL 70

Turning radius:

55' curb to curb on Freightliner FL 70

### WEIGHT:

Body weight empty:

7,220 lbs

Empty front axle weight:

6,965 lbs.

Loaded front axle weight:

7,940 lbs

Empty rear axles weight:

9,450 lbs.

Loaded rear axles weight:

33,875 lbs.

Meets Federal D.O.T. tandem axle weight limits:

Yes 19,875 lbs.

### MAIN BODY:

Hopper capacity:

6 1/4 cu. yds.

Insulation:

2"

Insulation type:

High temp solid polystyrene

Exterior insulation skin type:

Bolted, 16 ga. steel

Body construction:

3/16 H.R. Plate

Hopper slope:

45 degrees

Tool box location:

Built into left side

Tool box size:

102" long, 22" deep, 8" high

### DIMENSIONS:

Body:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

### WEIGHT:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

### MAIN BODY:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**LIGHTING SYSTEM:**

System type:

Sealed

Number of lights:

13 total

Number of large stop, turn, tail:

2

Number of red clearance lights:

7

Number of amber clearance lights:

4

Includes common junction box:

Yes

Replaceable bulbs for ALL lights:

Yes

Number of splices and tees:

NONE

Uses existing rear truck lights:

Yes

**DISPENSING SYSTEM:**

Dispensing system type:

Auger - screw conveyor

Conveyor size:

6" diameter -- 4" spaced flights

Conveyor hard surfaced:

Yes

Conveyor bearings:

Yes

Number of conveyor bearings:

2

Conveyor drive mechanism:

Hydraulic motor

Delivery chute pivots:

Yes

Delivery chute degree of pivot:

120 degrees

**CONVEYOR DRIVE MOTOR:**

Conveyor drive motor single or 2 speed:

2 speed

Conveyor drive motor automatic or manual shift:

Automatic

Conveyor drive reversible:

Yes

Conveyor drive motor displacement size:

Automatic dual displacement 24 & 12 cu. in.

Automatic shift for dual displacement:

Yes

Speeds & torque for conveyor drive motor:

7800 in/lb & 120 RPM to 3700 in/lb & 240 RPM

Bid Specifications with blanks for information fill

**LIGHTING SYSTEM:**

System type:

\_\_\_\_\_

Number of large stop, turn, tail:

\_\_\_\_\_

Number of amber clearance lights:

\_\_\_\_\_

Replaceable bulbs for ALL lights:

\_\_\_\_\_

Uses existing rear truck lights:

\_\_\_\_\_

**DISPENSING SYSTEM:**

Dispensing system type:

\_\_\_\_\_

Conveyor hard surfaced:

\_\_\_\_\_

Number of conveyor bearings:

\_\_\_\_\_

Delivery chute pivots:

\_\_\_\_\_

**CONVEYOR DRIVE MOTOR:**

Conveyor drive motor single or 2 speed:

\_\_\_\_\_

Conveyor drive reversible:

\_\_\_\_\_

Automatic shift for dual displacement:

\_\_\_\_\_

**HEATING SYSTEM:**

Main body heat system type:

Radiant heat transfer oil

Heat transfer oil capacity:

120 gallons

Total weight of heat transfer oil:

960 lbs.

Operating hours heat source:

Propane burner

Non-operating hours heat source:

9 KW electric heater

Number of thermostats used to control heat:

1

Radiant oil temperature thermometer type:

Digital 3/4" display

**PROPANE FUEL:**

Horizontal or vertical fuel container:

Horizontal

Fuel container location:

Built into the main body, drivers side

Fuel container capacity ( gallons)

34

Fuel container level indicator:

Yes

Fuel container indicator location:

Exterior, drivers side

Fuel container fill method:

Standard quick fill

Fuel container fill stop type:

Automatic 80% stop

**PROPANE BURNER:**

Number of propane burners:

1

Single or dual stage burner:

Dual

Dual stage pressures:

10 oz. & 10 P.S.I.

Burner B.T.U. output:

350,000 @ 10 P.S.I.

Burner ignition type:

Automatic 12 VDC

Pilot or pilot-less ignition:

Pilot-less

Operator input necessary for re-ignition:

NO -- automatic

Temperature drop needed for automatic re-ignition

5-10 degrees

**HEATING SYSTEM:**

Main body heat system type:

Heat transfer oil capacity:

Total weight of heat transfer oil:

Operating hours heat source:

Non-operating hours heat source:

Number of thermostats used to control heat:

Radiant oil temperature thermometer type:

**PROPANE FUEL:**

Horizontal or vertical fuel container:

Fuel container location:

Fuel container capacity ( gallons)

Fuel container level indicator:

Fuel container indicator location:

Fuel container fill method:

Fuel container fill stop type:

**PROPANE BURNER:**

Number of propane burners:

Single or dual stage burner:

Dual stage pressures:

Burner B.T.U. output:

Burner ignition type:

Pilot or pilot-less ignition:

Operator input necessary for re-ignition:

Temperature drop needed for automatic re-ignition

**Burner stops when fluid is dispensed:**

Yes

**Burner operated by:**

Same thermostat as the electric heater

**Dial or digital display on thermostat:**

Digital 3/4" LED display

**Safety shut-offs:**

High temperature, loss of flame, fluid dispensing

**Method for wiring:**

Conduit throughout

**ELECTRIC HEATER:**

**Number of electric heaters:**

1

**Heater size (KW):**

9 KW

**Voltage required:**

240 A.C.

**Single or 3 phase required:**

Single

**Heating capability above ambient:**

250 degrees

**Heater operated by:**

Same thermostat as propane burner

**Temperature drop needed to start heater:**

5-10 degrees

**Dial or digital display on thermostat:**

Digital 3/4" display

**Current used during operation:**

40 amps, 240 VAC single phase

**Uses truck current to operate:**

NO

**Method for wiring enclosure:**

Conduit throughout

**THERMOSTAT:**

**Number of thermostats:**

1

**Dial or digital type display:**

Digital 3/4" display

**Thermostat operates:**

Both propane burner and electric heater

**Thermostat accuracy:**

1% @ 500 degrees

**Includes ability to show actual temperature:**

Yes

**Radiant oil temperature thermometer type:**

Digital 3/4" display

**Radiant oil thermometer location:**

Rear mounted

**Burner stops when fluid is dispensed:**

\_\_\_\_\_

**Burner operated by:**

\_\_\_\_\_

**Dial or digital display on thermostat:**

\_\_\_\_\_

**Safety shut-offs:**

\_\_\_\_\_

**Method for wiring:**

\_\_\_\_\_

**ELECTRIC HEATER:**

**Number of electric heaters:**

\_\_\_\_\_

**Heater size (KW):**

\_\_\_\_\_

**Voltage required:**

\_\_\_\_\_

**Single or 3 phase required:**

\_\_\_\_\_

**Heating capability above ambient:**

\_\_\_\_\_

**Heater operated by:**

\_\_\_\_\_

**Temperature drop needed to start heater:**

\_\_\_\_\_

**Dial or digital display on thermostat:**

\_\_\_\_\_

**Current used during operation:**

\_\_\_\_\_

**Uses truck current to operate:**

\_\_\_\_\_

**Method for wiring enclosure:**

\_\_\_\_\_

**THERMOSTAT:**

**Number of thermostats:**

\_\_\_\_\_

**Dial or digital type display:**

\_\_\_\_\_

**Thermostat operates:**

\_\_\_\_\_

**Thermostat accuracy:**

\_\_\_\_\_

**Includes ability to show actual temperature:**

\_\_\_\_\_

**Radiant oil temperature thermometer type:**

\_\_\_\_\_

**Radiant oil thermometer location:**

\_\_\_\_\_

**TEMPERATURE TIMED CONTROL:**

Time control type  
Solid state  
Time length duration  
24 hour - 14 day  
Number of set times per day  
16  
Control type  
Independent  
Controls Day Temperature Automatically  
Yes  
Controls Night Temperature Automatically  
Yes  
Individual Thermostats for Day and Night  
Yes

**HAND TORCH:**

Heating capability (BTU):  
200,000  
Storage location:  
Right rear  
Hose size & length:  
1/4" X 15' long  
Number of on-off valves:  
2

**ASPHALT TACK OIL TANK:**

Capacity (gallons):  
120 gallons  
Type of tack oil that can be used:  
Emulsion or cut-back  
Tank location:  
Built into main body  
Tank insulation thickness:  
1"  
Tank construction material:  
14 ga. steel  
Tank heat source (working hours):  
Main body heat transfer oil  
Tank heat source (non-working hours):  
Main body heat transfer oil  
Maximum tank temperature of heat source:  
Main body heat transfer oil temperature  
Pump type:  
Gear  
Pump location:  
In insulated compartment  
Pump relief type:  
External return to tank  
Pump drive method:  
Hydraulic motor

Bid Specifications with blanks for information fill

**TEMPERATURE TIMED CONTROL:**

Time control type  
\_\_\_\_\_  
Time length duration  
\_\_\_\_\_  
Number of set times per day  
\_\_\_\_\_  
Control type  
\_\_\_\_\_  
Controls Day Temperature Automatically  
\_\_\_\_\_  
Controls Night Temperature Automatically  
\_\_\_\_\_  
Individual Thermostats for Day and Night  
\_\_\_\_\_

**HAND TORCH:**

Heating capability (BTU):  
\_\_\_\_\_  
Storage location:  
\_\_\_\_\_  
Hose size & length:  
\_\_\_\_\_  
Number of on-off valves:  
\_\_\_\_\_

**ASPHALT TACK OIL TANK:**

Capacity (gallons):  
\_\_\_\_\_  
Type of tack oil that can be used:  
\_\_\_\_\_  
Tank location:  
\_\_\_\_\_  
Tank insulation thickness:  
\_\_\_\_\_  
Tank construction material:  
\_\_\_\_\_  
Tank heat source (working hours):  
\_\_\_\_\_  
Tank heat source (non-working hours):  
\_\_\_\_\_  
Maximum tank temperature of heat source:  
\_\_\_\_\_  
Pump type:  
\_\_\_\_\_  
Pump location:  
\_\_\_\_\_  
Pump relief type:  
\_\_\_\_\_  
Pump drive method:  
\_\_\_\_\_

**Pump motor displacement:**  
4.9 cu. in.

**Pump drive directional:**  
Forward & reversing

**Cleaning system:**  
Yes

**Cleaning method:**  
Solvent spray

**Method to select from spray to clean:**  
One valve

**Clean method location:**  
Rear at ground level

**Fill size:**  
3"

**Fill location:**  
Passengers side

**Tank drain size:**  
3"

**Pump reverse to load tank:**  
Yes

**Spring loaded hose reel:**  
Yes

**Hose reel location:**  
Internal passengers rear

**Hose size and length:**  
1/2" X 20'

**Spray wand length and size:**  
5' X 3/8"

**Spray wand valve type:**  
Deadman spring loaded return

**Thermometer to monitor tack oil temperature:**  
Yes

**Thermometer type:**  
Digital 3/4" display

**Thermometer location and visibility:**  
Rear located -- rear visible

**Thermometer range:**  
0-600 degrees

**Safety burner shut-off when pump is operating:**  
Yes

**ASPHALT TACK OIL PUMP:**

**Pump type:**  
Gear

**Pump port size:**  
1 1/2" ports

**Pump discharge rate:**  
20 GPM & 75 P.S.I.

**Pump mounting position:**  
Inside insulated compartment

**Pump motor displacement:**  
\_\_\_\_\_

**Pump drive directional:**  
\_\_\_\_\_

**Cleaning system:**  
\_\_\_\_\_

**Cleaning method:**  
\_\_\_\_\_

**Method to select from spray to clean:**  
\_\_\_\_\_

**Clean method location:**  
\_\_\_\_\_

**Fill size:**  
\_\_\_\_\_

**Fill location:**  
\_\_\_\_\_

**Tank drain size:**  
\_\_\_\_\_

**Pump reverse to load tank:**  
\_\_\_\_\_

**Spring loaded hose reel:**  
\_\_\_\_\_

**Hose reel location:**  
\_\_\_\_\_

**Hose size and length:**  
\_\_\_\_\_

**Spray wand length and size:**  
\_\_\_\_\_

**Spray wand valve type:**  
\_\_\_\_\_

**Thermometer to monitor tack oil temperature:**  
\_\_\_\_\_

**Thermometer type:**  
\_\_\_\_\_

**Thermometer location and visibility:**  
\_\_\_\_\_

**Thermometer range:**  
\_\_\_\_\_

**Safety burner shut-off when pump is operating:**  
\_\_\_\_\_

**ASPHALT TACK OIL PUMP:**

**Pump type:**  
\_\_\_\_\_

**Pump port size:**  
\_\_\_\_\_

**Pump discharge rate:**  
\_\_\_\_\_

**Pump mounting position:**  
\_\_\_\_\_

Safety burner shut-off when pump is operating:  
Yes

**WASTE OIL TANK:**

Tank size:  
10 gallon  
Tank construction:  
16 ga steel  
Tank location:  
Built into the passengers fender  
Spray wand drain:  
Built in to the top of the tank  
Tank drain size:  
1"  
Tank drain location:  
Bottom rear

**DIESEL FUEL SYSTEM:**

Tank size:  
18 gallon  
Tank construction:  
16 ga steel  
Tank location:  
Drivers rear under tool box  
Tank fill size:  
2"  
Tank fill location:  
Inside tool box compartment  
Tank drain size:  
1/2"  
Pump type for cleaning tools/hopper  
12 VDC electric pump  
Pump location:  
Inside tool box compartment  
Diesel system hose size and length:  
1/4" X 20'  
Diesel system hose reel:  
Yes  
Diesel hose reel location:  
Internal -- inside tool box compartment  
Diesel spray wand type:  
Deadman spring return  
Diesel system cleans the tack oil system:  
Yes  
Tack oil pump cleaning method:  
One valve at ground level

Safety burner shut-off when pump is operating:

**WASTE OIL TANK:**

Tank size:  
\_\_\_\_\_  
Tank construction:  
\_\_\_\_\_  
Tank location:  
\_\_\_\_\_  
Spray wand drain:  
\_\_\_\_\_  
Tank drain size:  
\_\_\_\_\_  
Tank drain location:  
\_\_\_\_\_

**DIESEL FUEL SYSTEM:**

Tank size:  
\_\_\_\_\_  
Tank construction:  
\_\_\_\_\_  
Tank location:  
\_\_\_\_\_  
Tank fill size:  
\_\_\_\_\_  
Tank fill location:  
\_\_\_\_\_  
Tank drain size:  
\_\_\_\_\_  
Pump type for cleaning tools/hopper  
\_\_\_\_\_  
Pump location:  
\_\_\_\_\_  
Diesel system hose size and length:  
\_\_\_\_\_  
Diesel system hose reel:  
\_\_\_\_\_  
Diesel hose reel location:  
\_\_\_\_\_  
Diesel spray wand type:  
\_\_\_\_\_  
Diesel system cleans the tack oil system:  
\_\_\_\_\_  
Tack oil pump cleaning method:  
\_\_\_\_\_

**ANTI-BRIDGE BAR:****Anti-bridge bar location:**

Above the auger screw conveyor

**Anti-bridge bar construction:**

2" sch 40 pipe

**Number of anti-bridge bar bearings:**

3 bearings total

**End bearings type:**

High temperature flange bearing

**Center bearing type:**

High temperature pillow block type

**Anti-bridge bar drive type:**

Hydraulic motor

**Hydraulic motor displacement:**

12 cu. in.

**HYDRAULIC SYSTEM:****Hydraulic system type:**

Closed center

**Hydraulic pump type:**

Piston

**Hydraulic pump location:**

On P.T.O. of transmission

**Direct mount or remote drive shaft:**

Direct mount

**Pump rating:**

7 GPM &amp; 2,000 PSI @ 800 RPM

**Hydraulic tank size:**

30 gallon

**Hydraulic tank construction:**

16 ga steel

**Hydraulic tank location:**

Drivers side under tool box

**Hydraulic discharge filter in system:**

Yes, 100 micron

**Hydraulic suction strainer in system:**

Yes, 10 micron

**Suction shut-off valve at tank:**

Yes

**Separate electric external cooler required:**

No

**Sight gauge in tank:**

Yes

**Thermometer in tank:**

Yes

**Fill cap vented:**

Yes

**Fill cap spill proof:**

Yes

**Number of control valve banks on machine:**

1

**ANTI-BRIDGE BAR:****Anti-bridge bar location:****Anti-bridge bar construction:****Number of anti-bridge bar bearings:****End bearings type:****Center bearing type:****Anti-bridge bar drive type:****Hydraulic motor displacement:****HYDRAULIC SYSTEM:****Hydraulic system type:****Hydraulic pump type:****Hydraulic pump location:****Direct mount or remote drive shaft:****Pump rating:****Hydraulic tank size:****Hydraulic tank construction:****Hydraulic tank location:****Hydraulic discharge filter in system:****Hydraulic suction strainer in system:****Suction shut-off valve at tank:****Separate electric external cooler required:****Sight gauge in tank:****Thermometer in tank:****Fill cap vented:****Fill cap spill proof:****Number of control valve banks on machine:**

**Hydraulic control valve bank (manual or electric):**  
Electric  
**Solenoid type (sealed or unsealed):**  
Sealed  
**Number of section in control valve bank:**  
9  
**Manual overrides:**  
Yes  
**Control valve has pressure gauge:**  
Yes  
**Hydraulic system includes a flow meter:**  
Yes  
**Flow meter location:**  
Rear  
**Crimp fittings or reusable fittings in system:**  
Crimped fittings

**HYDRAULIC BREAKER:**

**Weight class of breaker:**  
72# class  
**Vibration resistant equipment:**  
Handles and tool foot  
**Hex size:**  
1 1/8"  
**Tools supplied:**  
Asphalt spade and tamping shoe  
**Asphalt spade size:**  
5"  
**Tamping shoe size:**  
6"  
**Detachable shank on tamping shoe:**  
Yes  
**Breaker hydraulic fluid supply hose size:**  
3/4" & 1/2"  
**Hose length:**  
25'  
**Hose on a hose reel:**  
Yes  
**Hose reel location:**  
Internal passengers side  
**Breaker storage location:**  
Passengers rear

**Hydraulic control valve bank (manual or electric):**  
\_\_\_\_\_  
**Solenoid type (sealed or unsealed):**  
\_\_\_\_\_  
**Number of section in control valve bank:**  
\_\_\_\_\_  
**Manual overrides:**  
\_\_\_\_\_  
**Control valve has pressure gauge:**  
\_\_\_\_\_  
**Hydraulic system includes a flow meter:**  
\_\_\_\_\_  
**Flow meter location:**  
\_\_\_\_\_  
**Crimp fittings or reusable fittings in system:**  
\_\_\_\_\_

**HYDRAULIC BREAKER:**

**Weight class of breaker:**  
\_\_\_\_\_  
**Vibration resistant equipment:**  
\_\_\_\_\_  
**Hex size:**  
\_\_\_\_\_  
**Tools supplied:**  
\_\_\_\_\_  
**Asphalt spade size:**  
\_\_\_\_\_  
**Tamping shoe size:**  
\_\_\_\_\_  
**Detachable shank on tamping shoe:**  
\_\_\_\_\_  
**Breaker hydraulic fluid supply hose size:**  
\_\_\_\_\_  
**Hose length:**  
\_\_\_\_\_  
**Hose on a hose reel:**  
\_\_\_\_\_  
**Hose reel location:**  
\_\_\_\_\_  
**Breaker storage location:**  
\_\_\_\_\_

**HYDRAULIC LIFT FOR ROLLER:**

Designed to accommodate vibratory roller compactor:

Yes

Vibratory roller type:

Bomag BW 55E

Method for securing roller to lift:

Automatic self locking

Roller width:

20"

Designed to interchange with a plate compactor:

No

Lift location:

Drivers side between cab and body

Lift type:

Hydraulic

Lift stroke:

10"

Positive lock in the "UP" position:

Yes

Manual "Down" and "UP" :

Yes

**VIBRATORY ROLLER COMPACTOR:**

Vibratory roller compactor brand:

Bomag

Roller compactor model:

BW 55E

Plate compactor engine brand:

Honda

Plate compactor engine H.P.:

4 H.P.

Electric start or manual start:

Manual

Compactor engine has loss of oil shut-down:

Yes

Roller size:

21" X 24"

Roller compactor operating weight:

355 lbs.

**HYDRAULIC INSULATED DOORS:**

Door type -- single, dual, or quad:

Quad

Door hinge style -- single or bi-fold:

Bi-fold

Door width per section:

18"

**HYDRAULIC LIFT FOR ROLLER:**

Designed to accommodate vibratory roller compactor:

\_\_\_\_\_

Method for securing roller to lift:

\_\_\_\_\_

Designed to interchange with a plate compactor:

\_\_\_\_\_

Lift type:

\_\_\_\_\_

Positive lock in the "UP" position:

\_\_\_\_\_

**VIBRATORY ROLLER COMPACTOR:**

Vibratory plate roller compactor brand:

\_\_\_\_\_

Plate compactor engine brand:

\_\_\_\_\_

Electric start or manual start:

\_\_\_\_\_

Roller size:

\_\_\_\_\_

**HYDRAULIC INSULATED DOORS:**

Door type -- single, dual, or quad:

\_\_\_\_\_

Door width per section:

**Full open door height above main body:**

22"

**Door thickness:**

1"

**Door insulation type:**

High temperature solid polystyrene

**Door opening size:**

52" X 105" v-shaped

**Door hinge type:**

Continuous piano stainless

**Door hinge bolted or welded:**

Welded

**Door hinge protection method:**

Reinforced buna-n material

**Door pivot hinge type:**

Sealed roller bearing hinge:

**Number of door pivot hinges:**

6 -- 3 on each side of machine

**Door runs in guide track:**

Yes

**Guide track roller type:**

Sealed roller bearings

**Self cleaning wiper between door and frame:**

Yes

**Seal type where doors meet in center:**

Reinforced buna-n material

**Number of door cylinders:**

2

**Position of cylinders -- center or end:**

Center

**Cylinders interior or exterior:**

Interior

**Cylinders exposed or enclosed:**

Enclosed:

**Cylinder size:**

2" X 8" x 1 3/8" rod

**Cylinder hose type:**

High temperature teflon shielded

**Pressure relief for both doors:**

Yes

**Pressure relief pressure:**

750 P.S.I.

**Door frame includes clearance lights:**

Yes

**Number of door frame clearance lights:**

3

**DIRECTIONAL ARROW BOARD/STROBE:**

**Arrow board type -- arrow or rectangular:**

Arrow

**Full open door height above main body:**

\_\_\_\_\_

**Door thickness:**

\_\_\_\_\_

**Door insulation type:**

\_\_\_\_\_

**Door opening size:**

\_\_\_\_\_

**Door hinge type:**

\_\_\_\_\_

**Door hinge bolted or welded:**

\_\_\_\_\_

**Door hinge protection method:**

\_\_\_\_\_

**Door pivot hinge type:**

\_\_\_\_\_

**Number of door pivot hinges:**

\_\_\_\_\_

**Door runs in guide track:**

\_\_\_\_\_

**Guide track roller type:**

\_\_\_\_\_

**Self cleaning wiper between door and frame:**

\_\_\_\_\_

**Seal type where doors meet in center:**

\_\_\_\_\_

**Number of door cylinders:**

\_\_\_\_\_

**Position of cylinders -- center or end:**

\_\_\_\_\_

**Cylinders interior or exterior:**

\_\_\_\_\_

**Cylinders exposed or enclosed:**

\_\_\_\_\_

**Cylinder size:**

\_\_\_\_\_

**Cylinder hose type:**

\_\_\_\_\_

**Pressure relief for both doors:**

\_\_\_\_\_

**Pressure relief pressure:**

\_\_\_\_\_

**Door frame includes clearance lights:**

\_\_\_\_\_

**Number of door frame clearance lights:**

\_\_\_\_\_

**Arrow board dimensions:**

**20" X 96"**

**Visible from front, rear, or both:**

**Both**

**Number of amber lights:**

**20 total -- 10 front, 10 rear**

**Amber light brightness:**

**1500 candle power**

**Controls in-cab:**

**Yes**

**Independant Front and Rear Control**

**Yes**

**Bright and dim control:**

**Yes**

**Arrow patterns:**

**left, right, both**

**Bar patterns:**

**left, right, both**

**Amber strobe included:**

**Yes**

**Strobe light location:**

**On arrow board between arrows**

**Strobe light brightness:**

**650,000 candle power**

**Strobe flash rate:**

**80 flash per minute**

**Strobe activation switch location:**

**In-cab in arrow board control panel**

**Arrow board hydraulically raised and lowered:**

**Yes**

**Arrow board raise height:**

**36"**

**Arrow board height above ground when "DOWN":**

**98" -- even with top of truck cab**

**Arrow board cylinder size:**

**2 1/2" X 36"**

**Arrow board location on truck:**

**In front of the main body -- behind cab**

**Arrow board distance from front of main body:**

**24"**

**Arrow board distance from back of truck cab:**

**36"**

**Arrow board dimensions:**

**Visible from front, rear, or both:**

**Number of amber lights:**

**Amber light brightness:**

**Controls in-cab:**

**Independant Front and Rear Control**

**Bright and dim control:**

**Arrow patterns:**

**Bar patterns:**

**Amber strobe included:**

**Strobe light location:**

**Strobe light brightness:**

**Strobe flash rate:**

**Strobe activation switch location:**

**Arrow board hydraulically raised and lowered:**

**Arrow board raise height:**

**Arrow board height above ground when "DOWN":**

**Arrow board cylinder size:**

**Arrow board location on truck:**

**Arrow board distance from front of main body:**

**Arrow board distance from back of truck cab:**

**SPOILS BINS:**

**Total bins capacity:**

2 cu. yd.

**Bins construction:**

10 GA HR plate

**Number of Bins:**

2

**Bins location:**

Behind cab -- outside of truck frame

**Bin dumping method:**

Hydraulic

**Independent dumping:**

Yes

**Bin pivot type:**

Sealed roller bearing

**Loading height above ground:**

40" - truck frame height

**TOOL STORAGE RACK:**

**Tool Capacity:**

4 tools - shovels, rakes or brooms

**Mounting location:**

Mounted on drivers side rear

**Mounting type:**

Solid, welded

**AUTOMATIC HOPPER CLEAN SYSTEM:**

**Automatic spray type**

Timed Contolled

**Sprays entire surface**

Front, Rear, Both Sides

**Controlled from ground level**

Yes

**Stops propane burner while cleaning**

Yes

**Uses existing cleaning system tank**

Yes

**Uses indepenent pump**

Yes

**Removable spray nozzles**

Yes

**Can be damaged during loading of asphalt**

No

**SPOILS BINS:**

**Total bins capacity:**

\_\_\_\_\_

**Bins construction:**

\_\_\_\_\_

**Number of Bins:**

\_\_\_\_\_

**Bins location:**

\_\_\_\_\_

**Bins dump method:**

\_\_\_\_\_

**Independent dumping:**

\_\_\_\_\_

**Bin pivot type:**

\_\_\_\_\_

**Loading height above ground:**

\_\_\_\_\_

**TOOL STORAGE RACK:**

**Tool Capacity:**

\_\_\_\_\_

**Mounting location:**

\_\_\_\_\_

**Mounting type:**

\_\_\_\_\_

**AUTOMATIC HOPPER CLEAN SYSTEM:**

**Automatic spray type**

\_\_\_\_\_

**Sprays entire surface**

\_\_\_\_\_

**Controlled from ground level**

\_\_\_\_\_

**Stops propane burner while cleaning**

\_\_\_\_\_

**Uses existing cleaning system tank**

\_\_\_\_\_

**Uses indepenent pump**

\_\_\_\_\_

**Removable spray nozzles**

\_\_\_\_\_

**Can be damaged during loading of asphalt**

\_\_\_\_\_

**ACCESSORIES and DATA:**

**Service manual:**

Yes

**Parts manual:**

Yes

**Trouble shooting manual:**

Yes

**Is this a proto-type machine:**

No

**Years manufacturing this type of machine:**

Since 1978

**Years manufacturing this model:**

Since 1986

**TRUCK CHASSIS SPECIFICATIONS:**

**Axle type:**

Tandem

**Front axle size:**

12,000 lb.

**Front suspension size:**

12,000 lb.

**Rear axles size:**

34,000 lb.

**Rear axles suspension size:**

34,000 lb. with Air Suspension

**Engine type diesel, gasoline, LPG, or CNG:**

Diesel

**Engine brand:**

Cummins

**Engine size -- H.P.:**

250 H.P.

**Transmission type automatic or manual:**

Automatic

**Transmission brand:**

Allison

**Transmission speeds:**

6 speed

**Transmission P.T.O. type:**

Live -- both sides

**Transmission shift console location:**

Dash mounted -- right of steering wheel

**P.T.O. type -- cable or hot shift:**

Hot shift

**P.T.O. brand:**

Chelsea

**Air brakes:**

Yes

**Front brake size:**

**ACCESSORIES and DATA:**

**Service manual:**

\_\_\_\_\_

**Trouble shooting manual:**

\_\_\_\_\_

**Years manufacturing this type of machine:**

\_\_\_\_\_

**TRUCK CHASSIS SPECIFICATIONS:**

**Axle type:**

\_\_\_\_\_

**Front suspension size:**

\_\_\_\_\_

**Rear axle suspension size:**

\_\_\_\_\_

**Engine brand:**

\_\_\_\_\_

**Transmission type automatic or manual:**

\_\_\_\_\_

**Transmission speeds:**

\_\_\_\_\_

**Transmission shift console location:**

\_\_\_\_\_

**P.T.O. brand:**

\_\_\_\_\_

\_\_\_\_\_

15" x 4"  
Rear brake size:  
16.5" X 7"  
Air brake compressor size:  
12 CFM  
Power steering:  
Yes  
Front shock absorbers:  
Yes  
Spring type parking brake:  
Yes  
Automatic slack adjusters:  
Yes  
Dual air horns:  
Yes  
Dual west coast mirrors:  
Yes  
2 speed windshield wiper:  
Yes  
Tilt hood:  
Yes  
Tinted glass:  
Yes  
Dual sun visors:  
Yes  
Integral air conditioning with heater:  
Yes  
AM/FM stereo radio  
Yes  
Seat type:  
Dual independent air ride  
Lap and shoulder belts  
Yes  
Full instrumentation  
Yes  
Alternator size:  
90 AMP  
Battery number and size:  
2-625 CCA  
Exhaust type:  
Vertical  
Oil cooler:  
Yes  
In-cab locking throttle:  
Yes  
Number of fuel tanks and size:  
2 -- 45 gallon  
Tire size front:  
275/80R 22.5  
Tire size rear:

\_\_\_\_\_  
Rear brake size:  
\_\_\_\_\_  
Air brake compressor size:  
\_\_\_\_\_  
Power steering:  
\_\_\_\_\_  
Front shock absorbers:  
\_\_\_\_\_  
Spring type parking brake:  
\_\_\_\_\_  
Automatic slack adjusters:  
\_\_\_\_\_  
Dual air horns:  
\_\_\_\_\_  
Dual west coast mirrors:  
\_\_\_\_\_  
2 speed windshield wiper:  
\_\_\_\_\_  
Tilt hood:  
\_\_\_\_\_  
Tinted glass:  
\_\_\_\_\_  
Dual sun visors:  
\_\_\_\_\_  
Integral air conditioning with heater:  
\_\_\_\_\_  
AM/FM stereo radio  
\_\_\_\_\_  
Seat type:  
\_\_\_\_\_  
Lap and shoulder belts  
\_\_\_\_\_  
Full instrumentation  
\_\_\_\_\_  
Alternator size:  
\_\_\_\_\_  
Battery number and size:  
\_\_\_\_\_  
Exhaust type:  
\_\_\_\_\_  
Oil cooler:  
\_\_\_\_\_  
In-cab locking throttle:  
\_\_\_\_\_  
Number of fuel tanks and size:  
\_\_\_\_\_  
Tire size front:  
\_\_\_\_\_  
Tire size rear:

