

ATTACHMENT A

Heavy Crew Truck Line Body and Accessories Installation.
TMWA provided cab & chassis specifications are provided on last page
The Cab & Chassis will be a Freightliner
(All Other Items Referenced In This Specification To Be Provided By The
Successful Bidder)

The following descriptions represent minimum desirable requirements and performance standards. Some specifications are representative of specific brands or items. All deviations from specific type must be completely described. The Truckee Meadows Water Authority reserves the right to select the specified type or a qualified "equivalent" as may be deemed acceptable by the Truckee Meadows Water Authority.
All bed and body equipment to be installed per Federal Motor Vehicle Safety Standards.

Line Body and Accessories:

Knapheide 6133HC bin configuration

Line body to be for 85.90" CA chassis.

132" to 134" long

94" to 96" wide

48" to 50" high

Minimum 20" deep compartments.

Master locking system (manual) **The mechanism for the master locking system to be located at the FRONT of the body.**

Inside bed width to be 54". No wheel wells to protrude into the inside floor of the line body.

Body shell to be 14-gauge two sided A40 galvanized steel.

Floor to be 3/16" thick treadplate steel.

Removable aluminum slide- in tailgate 6" tall.

Line body to incorporate wheel chalk holders two each side in fender wells of body. (See picture #2 & #3).

All doors to be two-sided A40 galvanized steel with panel re-inforcements.

All compartments to have heavy-duty automotive –paddle style latches.

All compartments to be equipped with a 12-volt LED rope lighting, 2 strips on each side of vertical and horizontal bins bottom to top, mounted in recessed area at front of compartments. A master power supply switch located in cab of truck.

Both horizontal bins to have split, side opening doors. (Barn door style) (See photo #2 & #3)

Horizontal bins to have shelf with dividers 52.75"x16" mounted 10" up from bottom of bin.

All vertical bins to have a minimum of four adjustable shelves with dividers or as otherwise noted.

Curb side front bin to be outfitted with steel mechanics drawers, this unit will have 7 drawers 1-7" 3-5" & 3-3" in this order from the floor up.

Front curbside vertical bin to be used for electric circuit panel and all PTO relays and gauges. All PTO accessories to be mounted top of bin above drawer cabinet.

Curb side rear vertical bin to have re-inforced flooring and be lined with a piece of 3/4"

Plywood. This bin to be outfitted with 4-fold away “J” hooks (2 on rear wall 1 on each side) no shelves in this bin. (This bin to be used for heavy tools, such as jackhammers. All remaining vertical bins to have four adjustable shelves unless otherwise noted. The two horizontal bins to have one adjustable horizontal shelf in each.

Line Body Canopy and Accessories:

Line body to incorporate a 43” approx. tall fixed (non opening) bed canopy cover as pictured. Bed floor to roof clearance of 72”.

The bed canopy to be a minimum 14-gauge A40 galvalneal steel.

This canopy to have a shelf with spacers at the point of contact with the line body and two horizontal shelves running the length of the cover on both sides, spaced 12” apart, these shelves to have a 2” lip to keep objects in place. (Photo #1)

(3) Shelves running across front of bed same elevation as side shelves 24” deep. (Photo #4)

(5) Fold away “J” hooks mounted on both sides of the inside of bed cover equally spaced between shelves as shown in (Photo #1)

(1) Round gas can holder located in inside street side of line body. Location to be determined at prebuild meeting.

5 gal. Water jug holder mounted inside street side at rear of bed. (Photo#5)

(4) 2” x 90” tubes welded to the inside of line body curb side, 12” inside from the rear and sloping down towards the front of the line body. The front of these tubes (inside of bed) to be capped but the caps notched at the bottom to allow water and small debris to escape. The first tube to be mounted 18” from the floor at the rear of line body and the next mounted approx. 4” above the first.

(2) 18” tall grab handles mounted at rear of truck approx. 20” up from floor of bed (Photo #5)

Brackets for holding extension ladder mounted on street side of bed canopy. (Photo #2)

A fold out step mounted street side 12” back from front of line body. The step is approx. 20” wide 8” deep. An 18” grab handle mounted between bin doors adjacent to this step. (Photo #2)

Curb side of canopy to have a wire mesh style basket 96” long x 21” tall x approx 6” wide. (Photo #3)

This basket to have 3 equally spaced horizontal pieces of 1” square tubing at the front middle and back to be used as dividers for valve keys. (Photos #6, #7)

2-sets of shovel racks mounted on street side of bed canopy, each rack to hold 4 shovels with locking tab. (Photo #2)

(3) 12-volt LED dome type lights mounted to underside of canopy equally space in center from back to front with master power switch located in cab. (Whelen M6ZC)

(6) 12-volt LED flood type work lights mounted on each side rear of bed canopy and as high as possible, and each side on side rear. 2 additional lights to mounted on the front of each side of the line body canopy facing out. (Whelen PFBS6S) These lights to be equipped with on/off switch on each light and a power supply switch mounted in the cab. (Photos #2, #3, #6)

Amber directional LED arrow bar mounted at rear of bed cover on a support bar.

(Photo #6) (ECCO 3410 A)

Light bar controls to be cab mounted

An amber LED strobe system that consists of (2) rear mounted 360-degree light heads mounted with arrow board. (Photo#6) (Whelen L32LAF)

(4) Flush mount oval strobe light heads, (2) flush mounted each side of front bumper (Photo #8) and (2) flush mounted each side of rear bumper. (Whelen 5GA00FAR)

Line body to include all DOT applicable (All LED) brake, backup, clearance, marker and running lights.

Pipe rack mounted top of bed canopy curb side 8"x8"x132" rack to be made of wire mesh as in photos. (Photos #6, # 7)

Pto Air Compressor & Accessories:

Vanair 160 cfm @ 100-150 psi PTO shaft driven underdeck air compressor. To include all required electrical wiring and air supply line plumbing.

Hotshift PTO with driveline and all necessary U joints to couple PTO.

Oil cooler to be roof mounted. (Photo #9, #10)

A spring rewind hose reel "Coxreel model SMPL-550 or equal unit.

Hose reel must be equipped with 50 feet of 3/4" **ID** air hose rated @ 500 psi max.

A spring rewind hose reel "Coxreel model TSH-N-3100 or equal unit.

Hose reel must be equipped with 100 feet of 3/8" **ID** air hose rated @ 500 psi max.

A 500-psi rated ball valve located between compressor and hose reels plumbed to give operator ground access from outside of truck. This may be place at each side of each fairlead.

A roller type fairlead mounted in rear bumper for each air hose. (Photos #5, #6)

Air hose to be equipped with a round hose stop.

All air compressor line and hose plumbing to be included.

A hard-plumbed air supply line to be plumbed to front of line body (behind cab) street side with a 500-psi rated ball valve to be located back 6" from outer edge of line body.

Preferred location of hose reel mounting would be at the rear of truck under line body between frame rails with hose exiting at rear bumper at a roller type fairlead. A pressure regulator with an incorporated water separator and lubricator mounted in line on the tool air supply line (3/8").

Generator and Accessories

The generator will be a Cummins QD 6000 diesel generator. This generator to be installed in the front of the line body (Photo #4) and equipped with an "Energy Command Generator Controls" system for remote starting and monitoring. The generator fuel supply to utilize the existing fuel tank on the truck including all necessary fuel supply and return lines as needed. The batteries for this unit to be separate from the trucks battery system with a relay that will allow both systems to be momentarily tied together for jump starting capability. Weatherproof heavy-duty electrical outlets to be installed at the rear and front of the line body curb and street side. The generator will be supplied with a 12-volt DC output, this DC output shall be wired to a battery isolator and voltage regulator to charge the trucks battery when the truck engine is not running to allow LED safety lights to be operated without drawing down the trucks battery.

The generators engine exhaust will need to be plumbed and discharged to the outside of the line body at the top, the exhaust piping to also be equipped to not allow moisture such as rain and snow to enter exhaust piping. (Photo #9, #10)

The floor of the utility body to be outfitted with cutouts or access openings to allow the generator to be serviced without removing the unit from the truck.

(1) Heavy duty electric outlets to be mounted with circuit panel in curbside front bin. Electric outlet boxes and wiring inside of bin compartments are to be protected from damage by tools such as jackhammers, steel reinforced covers need to be installed. 4 additional electrical outlets located: Two (2) at the rear of the truck each side of bed opening. (Photo #2). Two (2) located each side front. Four (4) additional electrical outlets located: Two (2) at the rear of the truck each side of bed opening. Two (2) located each side front. All outlets to be protected by steel covers. (Photos #2, #3)

Miscellaneous Accessories

A work platform extending out 18"x14" tall and approximately 8" below the bed elevation and then below that a tread plate steel rear bumper dimensions 10" deep x 74" wide with a step down from the work platform of the truck approx. 10". Curb side of this work area to have a door for lengthwise access for storage. This work platform to extend from curbside edge of body 74" towards the street side. This should leave about 20" to construct on back of bumper street side a 14"x16"x1 3/4" tall x 1/8" thick angle iron box for holding jumping jack style compactor. A pin running length wise to hold foot of compactor in place will also be incorporated. (Photos #5, #6, #11, #12, #13)

The top of this work area to be minimum 3/8" steel with a built-in storage area 54" wide (width of truck bed) and 10" deep, the lid of this storage will also incorporate 2 gas shocks capable of holding lid up. The lid will extend approx. 2-3" beyond the box with rounded corners. (Photo #12)

In center of storage area at top rear, a framed in inset area 5"x5"x 4" to accommodate a backup camera. (Photo #12)

Approx. 30.5" up from bumper centered above box for compactor a channel shaped mount with removable pin to hold top of compactor in place this will require a reinforcement plate of 12"x12"x1/8" thick plate welded to rear with channel shaped mount welded in center. (Photos #6, #13)

(2) Cable steps mounted rear under bumper approx. 4" in from each side. The step is approx. 20" wide 8" deep. (Photo #5)

7-way trailer cable receptacle to be mounted in rear bumper.

A Class V receiver mounted center of rear bumper with all required bumper reinforcement to meet this towing capacity. This item to be recessed into the bumper area as much as practical.

Forged lashing rings mounted each side of pintle hitch.

Block heater plug-in located at the rear of the truck, location to be determined at the time of the build.

(2) Front bumper mounted brackets and solid round stock fabricated for use as cone holders. These cone holders will need to be removable at the base with a single pin in each. (Photo #8)

All metal surfaces on and in the line body, canopy and accessories to be primer painted and painted white to match the truck cab.