

RESOLUTION NO. 25- 18

A RESOLUTION AUTHORIZING THE PURCHASE OF 2025 Freightliner 114SD PLUS BASED UPON THE PRICE ESTABLISHED THROUGH STATE OF MINNESOTA BID PROCESS.

WHEREAS, the Brookings County Highway Department will need a new 2025 Cab and Chassis;  
and

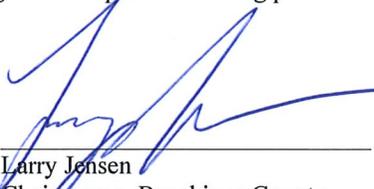
WHEREAS, STATE OF MINNESOTA has recently gone through a competitive bidding process for 2025 Freightliner 114SD Plus, such bidding process culminating in the bids being opened in January 07, 2025.

WHEREAS, I-State Truck Center, was the lowest responsible bidder under such STATE OF MINNESOTA, bid process and, I-State Truck Center is willing to sell to Brookings County under the same terms and options as available to STATE OF MINNESOTA, a copy of such bid specifications and bid having been filed at the Brookings County Finance Office; and

WHEREAS, pursuant to SDCL 5-18A-22, Brookings County is authorized to purchase supplies or services from any active contract that has been awarded by any governmental entity by competitive sealed bids or competitive sealed proposals or from any contract that was competitively solicited and awarded within the previous twelve months;

NOW THEREFORE BE IT RESOLVED that the Brookings County Highway Department is hereby authorized and directed to contract for 2025 Freightliner 114SD PLUS, with I-State Truck Center based upon the bid price, or less, as established through the competitive bidding process of STATE OF MINNESOTA.

Adopted this \_\_\_\_\_ day of March 4, 2025.

  
\_\_\_\_\_  
Larry Jensen  
Chairperson, Brookings County  
Board of County Commissioners

ATTEST

  
\_\_\_\_\_  
Brookings County Finance Officer  
Lori Schultz



The seal is circular with a double-line border. The outer ring contains the text 'SEAL OF COUNTY FINANCE OFFICER' at the top and 'SOUTH DAKOTA' at the bottom. The inner ring contains the text 'BROOKINGS COUNTY'.

Prepared for:  
 BROOKINGS COUNTY HWY  
 DEPT  
 422 WESTERN AVE  
 BROOKINGS, SD 57006  
 Phone: 605-696-8271

Prepared by:  
 Chris Schrum  
 I-STATE TRUCK CENTER  
 2901 WEST 60TH STREET N.  
 SIOUX FALLS, SD 57107  
 Phone: 605-336-2995  
 Mobile:

## Q U O T A T I O N

### 114SD PLUS CONVENTIONAL CHASSIS

SET FORWARD AXLE - TRACTOR DETROIT DD13 GEN 5 12.8L 450 HP @ 1625 RPM, 1900 GOV RPM, 1650 LB-FT @ 975 RPM ALLISON 4500 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION MERITOR MT-44-14XP 44,000# R-SERIES TANDEM REAR AXLE WITH PUMP AIRLINER 46,000# REAR SUSPENSION WITH CHAIN CLEARANCE DETROIT DA-F-18.0-5 18,000# FL1 71.0 KPI/3.74 DROP SINGLE FRONT AXLE 18,000# TAPERLEAF FRONT SUSPENSION 114 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB	6100MM (240 INCH) WHEELBASE HOLLAND FW35 ILS 24.0 INCH AIR SLIDE FIFTH WHEEL - 2 INCH SLIDE INCREMENTS 7/16X3-9/16X11-1/8 INCH STEEL FRAME (11.11MMX282.6MM/0.437X11.13 INCH) 120KSI 1525MM (60 INCH) REAR FRAME OVERHANG 1/4 INCH (6.35MM) C-CHANNEL INNER FRAME REINFORCEMENT TEM TO EVALUATE AND INSTALL FRAME RAIL REINFORCEMENT AS NEEDED FOR FRONT FRAME MOUNTED EQUIPMENT HENDRICKSON EX13 COMP 13,500# FF1 STEERABLE INTEGRAL PUSHER AXLE
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		PER UNIT		TOTAL
VEHICLE PRICE	TOTAL # OF UNITS (1)	\$	144,236	\$ 144,236
EXTENDED WARRANTY		\$	750	\$ 750
DEALER INSTALLED OPTIONS		\$	0	\$ 0
<b>CUSTOMER PRICE BEFORE TAX</b>		<b>\$</b>	<b>144,986</b>	<b>\$ 144,986</b>

#### TAXES AND FEES

FEDERAL EXCISE TAX (FET)	\$	(349)	\$	(349)
TAXES AND FEES	\$	0	\$	0
OTHER CHARGES	\$	0	\$	0

#### TRADE-IN

TRADE-IN ALLOWANCE	\$	(0)	\$	(0)
<b>BALANCE DUE</b>		<b>(LOCAL CURRENCY) \$</b>	<b>144,637</b>	<b>\$ 144,637</b>

#### COMMENTS:

Projected delivery on \_\_\_ / \_\_\_ / \_\_\_ provided the order is received before \_\_\_ / \_\_\_ / \_\_\_.

#### APPROVAL:

Please indicate your acceptance of this quotation by signing below:

Customer: X \_\_\_\_\_ Date: \_\_\_ / \_\_\_ / \_\_\_.



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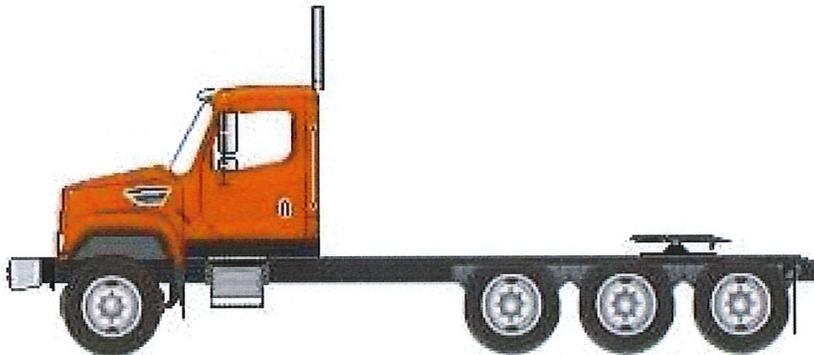
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*A proposal for*  
**BROOKINGS COUNTY HWY DEPT**

*Prepared by*  
**I-STATE TRUCK CENTER**  
*Chris Schrum*

*Feb 18, 2025*

**Freightliner 114SD Plus**



Components shown may not reflect all spec'd options and are not to scale



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## S P E C I F I C A T I O N P R O P O S A L

Description	Weight Front	Weight Rear
<b>Price Level</b>		
SD PRL-29D (EFF:MY26 ORDERS)		
<b>Data Version</b>		
SPECPRO21 DATA RELEASE VER 028		
<b>Vehicle Configuration</b>		
114SD PLUS CONVENTIONAL CHASSIS	7,934	6,476
2026 MODEL YEAR SPECIFIED		
SET FORWARD AXLE - TRACTOR	40	
TRAILER TOWING PROVISION FORWARD OF FIFTH WHEEL AND END OF FRAME WITH SAE J560	15	15
LH PRIMARY STEERING LOCATION		
<b>General Service</b>		
TRACTOR/TRAILER CONFIGURATION		
DOMICILED, USA (EXCLUDING CALIFORNIA AND CARB OPT-IN STATES)		
EPA CLEAN IDLE LABEL FOR INITIAL REGISTRATION IN EPA OR ACT STATES - (INCLUDES 6X4 INCH LABEL ON LOWER FORWARD OF DRIVER DOOR)		
UTILITY/REPAIR/MAINTENANCE SERVICE		
GOVERNMENT BUSINESS SEGMENT		
DIRT/SAND/ROCK COMMODITY		
TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS		
MAXIMUM 8% EXPECTED GRADE		
SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE		
FREIGHTLINER LEVEL II WARRANTY		
EXPECTED FRONT AXLE(S) LOAD : 18000.0 lbs		



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Description	Weight Front	Weight Rear
EXPECTED REAR DRIVE AXLE(S) LOAD :		
44000.0 lbs		
EXPECTED PUSHER AXLE(S) LOAD : 10000.0 lbs		
EXPECTED GROSS VEHICLE WEIGHT CAPACITY :		
72000.0 lbs		
EXPECTED GROSS COMBINATION WEIGHT :		
90000.0 lbs		

**Truck Service**

\* CUSTOM MFR'S/BODY TYPE IDENTIFICATION  
 CUSTOMER BUILD

**Tractor Service**

FLATBED TRAILER  
 SINGLE (1) TRAILER

**Engine**

DETROIT DD13 GEN 5 12.8L 450 HP @ 1625  
 RPM, 1900 GOV RPM, 1650 LB-FT @ 975 RPM

**Electronic Parameters**

70 MPH ROAD SPEED LIMIT  
 CRUISE CONTROL SPEED LIMIT 5 MPH HIGHER  
 THAN ROAD SPEED LIMIT  
 FLEET MANAGEMENT - DAILY ENGINE USAGE  
 ENABLED  
 PTO MODE ENGINE RPM LIMIT - 900 RPM  
 PTO RPM CONTROL WITH STEERING WHEEL  
 SWITCHES  
 PTO MODE RPM INCREMENT - 50 RPM  
 PTO GOVERNOR RAMP RATE - 250 RPM PER  
 SECOND  
 FUEL DOSING OF AFTERTREATMENT ENABLED  
 IN PTO MODE-CLEANS HYDROCARBONS AT  
 HIGH TEMPERATURES ONLY  
 ONE REMOTE PTO SPEED  
 PTO SPEED 1 SETTING - 750 RPM  
 PTO MINIMUM RPM - 700  
 ENABLE DPF REGEN ZONE 1 WITH AUTO  
 ENGINE RPM ELEVATE FOR EXTENDED IDLE  
 PTO 1, WITH SWITCH, TEM SUPPLIED REQUEST  
 AND INTERLOCKS, WITH PTO CONNECTIONS,  
 NO FACTORY INTERLOCKS

**Engine Equipment**



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Description	Weight Front	Weight Rear
EPA 2010/GHG 2024 CONFIGURATION		
STANDARD OIL PAN		
ENGINE MOUNTED OIL CHECK AND FILL		
SIDE OF HOOD AIR INTAKE WITH FIREWALL MOUNTED DONALDSON AIR CLEANER WITH SAFETY ELEMENT AND INSIDE/OUTSIDE AIR WITH SNOW DOOR	10	
DR 12V 160 AMP 28-SI QUADRAMOUNT PAD ALTERNATOR WITH REMOTE BATTERY VOLT SENSE		
(3) DTNA GENUINE, FLOODED STARTING, MIN 3000CCA, 555RC, THREADED STUD BATTERIES		
BATTERY BOX FRAME MOUNTED		
STANDARD BATTERY JUMPERS		
SINGLE BATTERY BOX FRAME MOUNTED LH SIDE UNDER CAB		
WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN		
NON-POLISHED BATTERY BOX COVER		
POSITIVE AND NEGATIVE POSTS FOR JUMPSTART LOCATED ON FRAME NEXT TO STARTER	2	
PROGRESSIVE LOW VOLTAGE DISCONNECT AT 12.3 VOLTS FOR DESIGNATED CIRCUITS	2	
BW MODEL FE-921 19.0 CFM SINGLE CYLINDER AIR COMPRESSOR WITH SAFETY VALVE		
ELECTRONIC ENGINE INTEGRAL SHUTDOWN PROTECTION SYSTEM		
JACOBS COMPRESSION BRAKE		
RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH B-PILLAR MOUNTED VERTICAL TAILPIPE	30	25
ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD REGENERATION AND VIRTUAL REGENERATION REQUEST SWITCH IN CLUSTER		
11 FOOT 06 INCH (138 INCH+0/-5.9 INCH) EXHAUST SYSTEM HEIGHT		
STANDARD CURVE BRIGHT UPPER STACK(S)		
RH CURVED VERTICAL TAILPIPE B-PILLAR MOUNTED ROUTED FROM STEP		
6 GALLON DIESEL EXHAUST FLUID TANK	-35	-10
100 PERCENT DIESEL EXHAUST FLUID FILL		



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Description	Weight Front	Weight Rear
STANDARD DIESEL EXHAUST FLUID PUMP MOUNTING		
LH MEDIUM DUTY STANDARD DIESEL EXHAUST FLUID TANK LOCATION		
STANDARD DIESEL EXHAUST FLUID TANK CAP		
STAINLESS STEEL AFTERTREATMENT DEVICE/MUFFLER/TAIPIPE SHIELD		
AIR POWERED ON/OFF ENGINE FAN CLUTCH		
AUTOMATIC FAN CONTROL WITH DASH SWITCH AND INDICATOR LIGHT, NON ENGINE MOUNTED		
DDC SUPPLIED ENGINE MOUNTED FUEL FILTER/FUEL WATER SEPARATOR WITH WATER-IN-FUEL INDICATOR		
FULL FLOW OIL FILTER		
NO COOLANT FILTER	-10	
1400 SQUARE INCH VOCATIONAL RADIATOR		
RADIATOR MOUNTED SURGE TANK		
ANTIFREEZE TO -34F, OAT (NITRITE AND SILICATE FREE) EXTENDED LIFE COOLANT		
GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT		
CONSTANT TENSION HOSE CLAMPS FOR COOLANT HOSES		
HDEP FIXED RATIO COOLANT PUMP AND RADIATOR DRAIN VALVE		
PHILLIPS-TEMRO 1500 WATT/115 VOLT BLOCK HEATER	4	
BLACK PLASTIC ENGINE HEATER RECEPTACLE MOUNTED UNDER LH DOOR		
MITSUBISHI 12V MOD 3.175-DP60 STARTER WITH INTEGRATED MAGNETIC SWITCH	-45	

**Transmission**

ALLISON 4500 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION	260	100
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**Transmission Equipment**

ALLISON VOCATIONAL PACKAGE 223 - AVAILABLE ON 3000/4000 PRODUCT FAMILIES WITH VOCATIONAL MODELS RDS, HS, MH AND TRV

ALLISON VOCATIONAL RATING FOR ON/OFF HIGHWAY APPLICATIONS AVAILABLE WITH ALL PRODUCT FAMILIES



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Description	Weight Front	Weight Rear
PRIMARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY		
SECONDARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY		
PRIMARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
SECONDARY SHIFT SCHEDULE RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
PRIMARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
SECONDARY SHIFT SPEED RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE		
2ND GEAR ENGINE BRAKE ALTERNATE PRESELECT WITH MODERATE DOWNSHIFT STRATEGY		
NEUTRAL AT STOP ENABLED		
DRIVER SWITCH INPUT - DEFAULT - NO SWITCHES		
DIRECTION CHANGE ENABLED WITH MULTIPLEXED SERVICE BRAKES - ALLISON 5TH GEN TRANSMISSIONS		
QUICKFIT BODY LIGHTING CONNECTOR UNDER CAB, WITH BLUNTCUTS		
ELECTRONIC TRANSMISSION WIRING TO CUSTOMER INTERFACE CONNECTOR		
CUSTOMER INSTALLED MUNCIE A20 SERIES PTO		
PTO MOUNTING, LH SIDE OF MAIN TRANSMISSION ALLISON		
MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION DRAIN, AXLE(S) FILL AND DRAIN		
HEAVY DUTY ELECTRONIC TRANSMISSION SHIFT CONTROL, COLUMN MOUNTED		
TRANSMISSION PROGNOSTICS - ENABLED 2013		
WATER TO OIL TRANSMISSION COOLER, FRAME MOUNTED		
TRANSMISSION OIL CHECK AND FILL WITH ELECTRONIC OIL LEVEL CHECK		



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	Description	Weight Front	Weight Rear
	SYNTHETIC TRANSMISSION FLUID (TES-295 COMPLIANT)		
<b>Front Axle and Equipment</b>			
	DETROIT DA-F-18.0-5 18,000# FL1 71.0 KPI/3.74 DROP SINGLE FRONT AXLE	210	
	BENDIX ADB22X AIR DISC FRONT BRAKES 2011/2013-FMVSS 121 RSD FRONT BRAKE LINING	30	
	FRONT DISC BRAKE ROTORS FRONT BRAKE DUST SHIELDS	5	
	FRONT OIL SEALS VENTED FRONT HUB CAPS WITH WINDOW, CENTER AND SIDE PLUGS - OIL		
	STANDARD SPINDLE NUTS FOR ALL AXLES FRONT AIR DISC BRAKE INTERNAL ADJUSTERS		
	STANDARD KING PIN BUSHINGS TRW THP-60 POWER STEERING WITH RCH45 AUXILIARY GEAR	130	
	POWER STEERING PUMP 4 QUART POWER STEERING RESERVOIR OIL/AIR POWER STEERING COOLER CURRENT AVAILABLE SYNTHETIC 75W-90 FRONT AXLE LUBE		
<b>Front Suspension</b>			
	18,000# TAPERLEAF FRONT SUSPENSION MAINTENANCE FREE RUBBER BUSHINGS - FRONT SUSPENSION	200	
	FRONT SHOCK ABSORBERS		
<b>Rear Axle and Equipment</b>			
N	MERITOR MT-44-14XP 44,000# R-SERIES TANDEM REAR AXLE WITH PUMP 4.33 REAR AXLE RATIO IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING		75
	MXL 18T MERITOR EXTENDED LUBE MAIN DRIVELINE WITH HALF ROUND YOKES	-10	-10
	MXL 17T MERITOR EXTENDED LUBE INTERAXLE DRIVELINE WITH HALF ROUND YOKES DRIVER CONTROLLED TRACTION DIFFERENTIAL - BOTH TANDEM REAR AXLES		30



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Description	Weight Front	Weight Rear
(1) INTERAXLE LOCK VALVE, (1) DRIVER CONTROLLED DIFFERENTIAL LOCK FORWARD-REAR AND REAR-REAR AXLE VALVE		
INDICATOR LIGHT FOR EACH INTERAXLE LOCKOUT SWITCH		
INDICATOR LIGHT FOR EACH DIFFERENTIAL LOCKOUT SWITCH, ENGAGE <5 MPH, DISENGAGE >25 MPH		
BENDIX ADB22X AIR DISC REAR BRAKES		-60
2011/2013-FMVSS 121 RSD REAR BRAKE LININGS		
STANDARD BRAKE CHAMBER LOCATION		
REAR DISC BRAKE ROTORS		
REAR BRAKE DUST SHIELDS		10
REAR OIL SEALS		
AIR DISC LONGSTROKE 2-DRIVE AXLES SPRING PARKING CHAMBERS		
REAR AIR DISC BRAKE INTERNAL ADJUSTERS		
CURRENT AVAILABLE SYNTHETIC 75W-90 REAR AXLE LUBE		
STANDARD REAR AXLE BREATHER(S)		
<b>Rear Suspension</b>		
AIRLINER 46,000# REAR SUSPENSION WITH CHAIN CLEARANCE		420
AIRLINER HIGH POSITION RIDE HEIGHT		
RESTRAINED AXLE SEATS IN AXLE CLAMP GROUP		
55 INCH AXLE SPACING		
IGNITION CONTROLLED ELECTRIC DUMP SWITCH FOR AIR SUSPENSION WITH STATE RETENTION AND GAUGE		
REAR AIR SUSPENSION DUMP VALVE AUTOFILL >5 MPH WITH INDICATOR LIGHT		
SINGLE AIR REAR SUSPENSION LEVELING VALVE		
TRANSVERSE CONTROL RODS		
REAR SHOCK ABSORBERS - TWO AXLES (TANDEM) (AIR RIDE SUSPENSION)		
<b>Pusher / Tag Equipment</b>		
HENDRICKSON EX13 COMP 13,500# AIR LIFT STEERABLE PUSHER SUSPENSION, FF1 AXLE	460	860



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Description	Weight Front	Weight Rear
HENDRICKSON EX13 COMP 13,500# FF1 STEERABLE INTEGRAL PUSHER AXLE		
(1) DASH VALVE AND (1) GAUGE FOR SINGLE LIFT AXLE		
LIFT AXLE WIRING, LIFT IN REVERSE, WITH LAST STATE RETENTION WITH IGNITION OFF		
(1)REGULATOR MOUNTED ON CHASSIS FOR SINGLE LIFT AXLE		
HENDRICKSON 15X4 CAM PUSHER/TAG BRAKES, DOUBLE ANCHOR, FABRICATED SHOES		
NON-ASBESTOS PUSHER/TAG BRAKE LINING		
CONMET CAST IRON PUSHER/TAG BRAKE DRUMS		
PUSHER/TAG BRAKE DUST SHIELDS		5
PUSHER/TAG OIL SEALS		
VENTED PUSHER/TAG HUB CAPS WITH WINDOW, CENTER AND SIDE PLUGS - OIL		
HALDEX LONGSTROKE PUSHER/TAG AXLE SERVICE CHAMBERS		
HALDEX AUTOMATIC PUSHER/TAG SLACK ADJUSTERS		
HENDRICKSON EX13 COMP 13,500# AIR LIFT STEERABLE PUSHER SUSPENSION		
N 54 INCH AXLE SPACING PUSHER/TAG		

**Brake System**

WABCO 6S/6M ABS WITH TRACTION CONTROL WITH ATC SHUT OFF SWITCH  
 REINFORCED NYLON, FABRIC BRAID AND WIRE BRAID CHASSIS AIR LINES  
 FIBER BRAID PARKING BRAKE HOSE  
 STANDARD BRAKE SYSTEM VALVES  
 STANDARD AIR SYSTEM PRESSURE PROTECTION SYSTEM  
 STD U.S. FRONT BRAKE VALVE  
 (2) RELAY VALVES; ONE 5-8 PSI FOR TANDEM AXLE AND ONE 3-4.5 PSI CRACK FOR PUSHER/TAG  
 BW AD-IS (DRM) BRAKE LINE AIR DRYER WITH SHIELD, HEATER AND INTEGRAL RESERVOIR  
 BENDIX OIL COALESCING FILTER FOR AIR DRYER  
 AIR DRYER RESERVOIR MOUNTED



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	Description	Weight Front	Weight Rear
*	STEEL AIR BRAKE RESERVOIRS; CUSTOMER ACCEPTS TANKS MOUNTED PERPENDICULAR TO RAIL	10	10
	MOUNTED LH SIDE AFT OF FUEL		
	PETCOCK DRAIN VALVES ON ALL AIR TANK(S)		
	EXTERNAL CHARGING SCHRADER VALVE	5	
<b>Trailer Connections</b>			
	15 FOOT STRAIGHT TRAILER AIR HOSE	12	
	NO AIR HOSE HANGER		
	AIR CONNECTIONS TO END OF FRAME WITH GLAD HANDS FOR TRUCK AND DUST COVERS		
	(3) QUICKFIT PROGRAMMABLE SOLENOIDS W/STATE RETENTION PLUMBED TO BACK OF CAB		
	COMBINATION DUMMY GLAD HANDS AND LIGHT PLUG HOLDER		
	PRIMARY CONNECTOR/RECEPTACLE WIRED FOR SEPARATE STOP/TURN, ABS CENTER PIN POWERED THROUGH IGNITION		
	SAE J560 7-WAY PRIMARY TRAILER CABLE RECEPTACLE MOUNTED BACK OF CAB/BACK OF SLEEPER		
	SAE J560 7-WAY PRIMARY TRAILER CABLE RECEPTACLE MOUNTED END OF FRAME		
	2-WAY HEAVY DUTY 90 AMP RECEPTACLE MOLDED PLASTIC RECEPTACLE WIRED HOT, MOUNTED LEFT HAND ON BACK OF CAB		
	INBOARD FLAG BRACKET LOCATED AT BACK OF CAB/BACK OF SLEEPER		
	12 FOOT DETACHABLE STRAIGHT PRIMARY TRAILER ELECTRICAL CABLE WITH SAE J560 CONNECTOR	6	
<b>Wheelbase &amp; Frame</b>			
	6100MM (240 INCH) WHEELBASE		
N	7/16X3-9/16X11-1/8 INCH STEEL FRAME (11.11MMX282.6MM/0.437X11.13 INCH) 120KSI	340	260
	1/4 INCH (6.35MM) C-CHANNEL INNER FRAME REINFORCEMENT	195	420
	TEM TO EVALUATE AND INSTALL FRAME RAIL REINFORCEMENT AS NEEDED FOR FRONT FRAME MOUNTED EQUIPMENT		
	1525MM (60 INCH) REAR FRAME OVERHANG		
	FRAME OVERHANG RANGE: 51 INCH TO 60 INCH	20	-80



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Description	Weight Front	Weight Rear
24 INCH INTEGRAL FRONT FRAME EXTENSION WITH 0.25 INCH INSERT	350	-50
CALC'D BACK OF CAB TO REAR SUSP C/L (CA) : 156.69 in		
CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA) : 156.69 in		
CALC'D FRAME LENGTH - OVERALL : 351.85 in		
CALCULATED FRAME SPACE LH SIDE : 53.13 in		
CALCULATED FRAME SPACE RH SIDE : 51.02 in		
CALC'D SPACE AVAILABLE FOR DECKPLATE : 86.02 in		
SQUARE END OF FRAME		
FRONT CLOSING CROSSMEMBER		
STANDARD WEIGHT ENGINE CROSSMEMBER		
STANDARD MIDSHIP #1 CROSSMEMBER(S)		
INVERTED U TRACTOR CROSSMEMBER		10
HEAVY DUTY SUSPENSION CROSSMEMBER		30

### Chassis Equipment

LH BACK OF CAB ACCESS	5	5
14 INCH (350MM) DECK PLATE FLUSH MOUNTED BETWEEN RAILS	5	5
OMIT FRONT BUMPER, CUSTOMER INSTALLED SPECIAL BUMPER, DOES NOT COMPLY WITH FMCSR 393.203	-100	
BETTS B-25 PAINTED MUDFLAP BRACKETS		15
BLACK MUDFLAPS		15
HUCK-SPIN ROUND COLLAR CHASSIS FASTENERS SUSPENSIONS ONLY		
EXTERIOR HARNESES WRAPPED IN ABRASION TAPE		

### Fifth Wheel

HOLLAND FW35 ILS 24.0 INCH AIR SLIDE FIFTH WHEEL - 2 INCH SLIDE INCREMENTS	30	520
FIFTH WHEEL 305MM (12.0 INCHES) AHEAD OF SUSPENSION CENTERLINE		
168MM (6.62 INCH) FIFTH WHEEL HEIGHT		
STEEL OUTBOARD ANGLE - FIFTH WHEEL MOUNTING		
DASH MOUNTED CONTROL AND PLUMBING FOR FIFTH WHEEL		
LH FIFTH WHEEL RELEASE		



Prepared for:  
 BROOKINGS COUNTY HWY  
 DEPT  
 422 WESTERN AVE

BROOKINGS, SD 57006  
 Phone: 605-696-8271

Prepared by:  
 Chris Schrum  
 I-STATE TRUCK CENTER  
 2901 WEST 60TH STREET N.  
 SIOUX FALLS, SD 57107  
 Phone: 605-336-2995  
 Mobile:

Description	Weight Front	Weight Rear
<b>Fuel Tanks</b>		
80 GALLON/302 LITER ALUMINUM FUEL TANK - LH	10	
25 INCH DIAMETER FUEL TANK(S) PLAIN ALUMINUM/PAINTED STEEL FUEL/HYDRAULIC TANK(S) WITH POLISHED STAINLESS STEEL BANDS FUEL TANK(S) FORWARD PLAIN STEP FINISH		
* FUEL TANK CAP(S)		
DAVCO 385 FUEL/WATER SEPARATOR WITH ESOC AND 12 VOLT AND 120 VOLT PREHEATER EQUIFLO INBOARD FUEL SYSTEM HIGH TEMPERATURE REINFORCED NYLON FUEL LINE	10	
<b>Tires</b>		
MICHELIN XZY-3 385/65R22.5 18 PLY RADIAL FRONT TIRES	130	
CONTINENTAL HDR2+ 11R22.5 16 PLY RADIAL REAR TIRES		184
MICHELIN X MULTI D+ 11R22.5 16 PLY RADIAL PUSHER/TAG TIRES		30
<b>Hubs</b>		
CONMET PRESET PLUS PREMIUM IRON FRONT HUBS		
CONMET PRESET PLUS PREMIUM IRON REAR HUBS		
CONMET PRESET PLUS PREMIUM IRON PUSHER/TAG HUBS		
<b>Wheels</b>		
ALCOA LVL ONE 82462X 22.5X12.25 10-HUB PILOT 4.68 INSET 10-HAND ALUMINUM DISC FRONT WHEELS	-8	
MAXION WHEELS 91541 22.5X8.25 10-HUB PILOT 2-HAND STEEL DISC REAR WHEELS		-32
ACCURIDE 51408 ACCU-LITE 22.5X8.25 10-HUB PILOT 2-HAND STEEL DISC PUSHER/TAG WHEELS		
FRONT WHEEL MOUNTING NUTS		
REAR WHEEL MOUNTING NUTS		
PUSHER/TAG WHEEL MTG NUTS		



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Description	Weight Front	Weight Rear
NYLON WHEEL GUARDS FRONT AND REAR ALL INTERFACES		
<b>Cab Exterior</b>		
114 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB		
AIR CAB MOUNTING		
NONREMOVABLE BUGSCREEN MOUNTED BEHIND GRILLE		
FRONT FENDERS		
3-1/2 INCH FENDER EXTENSIONS	15	
LH AND RH GRAB HANDLES		
BRIGHT FINISH RADIATOR SHELL/HOOD BEZEL		
STATIONARY BLACK GRILLE WITH BRIGHT ACCENTS		
CHROME HOOD MOUNTED AIR INTAKE GRILLE		
FIBERGLASS HOOD		
CAB FLOOR, TOE BOARD AND FIREWALL HEAT SHIELD	5	
DUAL 26 INCH RECTANGULAR POLISHED ALUMINUM AIR HORNS ROOF MOUNTED	4	
SINGLE ELECTRIC HORN		
DUAL HORN SHIELDS		
REAR LICENSE PLATE MOUNT END OF FRAME SWITCH, INDICATOR LIGHT AND WIRING FOR (2) CUSTOMER FURNISHED BEACONS		
HALOGEN COMPOSITE HEADLAMPS WITH BRIGHT BEZELS		
LED AERODYNAMIC MARKER LIGHTS		
WIRING AND SWITCH FOR CUSTOMER FURNISHED SNOW PLOW LAMPS WITH DUAL CONNECTIONS AT BUMPER		
WIRING AND SWITCH ONLY FOR CUSTOMER FURNISHED FOG LIGHTS		
NO DAYTIME RUNNING LIGHTS		
FREIGHTLINER LED FLANGE MOUNTED STOP/TAIL/TURN LIGHTS WITH SEPARATE INCANDESCENT BACKUP LIGHTS		5
STANDARD FRONT TURN SIGNAL LAMPS		
DUAL WEST COAST BRIGHT FINISH HEATED MIRRORS WITH LH AND RH REMOTE		
DOOR MOUNTED MIRRORS		
102 INCH EQUIPMENT WIDTH		



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Description	Weight Front	Weight Rear
LH AND RH 8 INCH BRIGHT FINISH CONVEX MIRRORS MOUNTED UNDER PRIMARY MIRRORS		
RH 8 INCH HEATED STAINLESS STEEL FENDER MOUNTED CONVEX MIRROR WITH TRIPOD BRACKET	6	
STANDARD SIDE/REAR REFLECTORS		
REAR REFLECTIVE DEVICE		
RH AFTERTREATMENT SYSTEM CAB ACCESS WITH PLAIN DIAMOND PLATE COVER		
PARK BRAKE REMINDER WARNING SYSTEM		
COMPOSITE EXTERIOR SUN VISOR	10	
63X14 INCH TINTED REAR WINDOW		
TINTED DOOR GLASS LH AND RH WITH TINTED NON-OPERATING WING WINDOWS		
RH AND LH ELECTRIC POWERED WINDOWS		
1-PIECE BONDED HEATED WIPER PARK SOLAR GREEN GLASS WINDSHIELD		
8 LITER (2 GAL) WINDSHIELD WASHER RESERVOIR, CAB MOUNTED, WITHOUT FLUID LEVEL INDICATOR		
WHITE WINTERFRONT	2	
<b>Cab Interior</b>		
RUGGED TRIM PACKAGE		
GRAY & CARBON VINYL INTERIOR "RUGGED"		
CARBON WITH PREMIUM GUNMETAL ACCENT (RUGGED)		
MOLDED DOOR PANEL		
MOLDED PLASTIC DOOR PANEL		
BLACK MATS WITH SINGLE INSULATION		
NO DASH MOUNTED ASH TRAYS AND LIGHTER		
FORWARD ROOF MOUNTED CONSOLE		
CENTER STORAGE CONSOLE MOUNTED ON BACKWALL	20	
LH AND RH DOOR STORAGE POCKETS INTEGRATED INTO MOLDED DOOR PANELS		
DIGITAL ALARM CLOCK IN DRIVER DISPLAY		
(2) CUP HOLDERS LH AND RH DASH		
M2/SD DASH		
HEATER, DEFROSTER AND AIR CONDITIONER		



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Description	Weight Front	Weight Rear
STANDARD HVAC DUCTING WITH SNOW SHIELD FOR FRESH AIR INTAKE		
MAIN HVAC CONTROLS WITH RECIRCULATION SWITCH		
STANDARD HEATER PLUMBING WITH BALL SHUTOFF VALVES AT SUPPLY LINES ONLY		
VALEO HEAVY DUTY A/C REFRIGERANT COMPRESSOR		
BINARY CONTROL, R-134A		
PREMIUM INSULATION		
SOLID-STATE CIRCUIT PROTECTION AND FUSES		
12V NEGATIVE GROUND ELECTRICAL SYSTEM		
PREMIUM LED CAB LIGHTING		
REMOTE KEYLESS ENTRY AND 2 TRANSMITTERS	2	
ALL UNIT(S) KEYED ALIKE WITH CUSTOMER SPECIFIED KEY NUMBER FT1013		
KEY QUANTITY OF 2		
LH AND RH ELECTRIC DOOR LOCKS		
NO MATTRESS	-20	-15
TRIANGULAR REFLECTORS WITHOUT FLARES	10	
ELITE ISRINGHAUSEN HIGH BACK AIR SUSPENSION DRIVERS SEAT W/2 AIR LUMBAR, INTEGRATED CUSHION EXTENSION, TILT, ADJUSTABLE SHOCK, HEAT	70	
BASIC ISRI HIGH BACK NON SUSPENSION PASSENGER SEAT		
DUAL DRIVER SEAT ARMRESTS, NO PASSENGER SEAT ARMRESTS	4	
LH AND RH INTEGRAL DOOR PANEL ARMRESTS		
BLACK CORDURA PLUS CLOTH DRIVER SEAT COVER		
BLACK CORDURA PLUS CLOTH PASSENGER SEAT COVER		
BLACK SEAT BELTS		
ADJUSTABLE TILT AND TELESCOPING STEERING COLUMN		
4-SPOKE 18 INCH (450MM) LEATHER WRAPPED STEERING WHEEL WITH CHROME SWITCH BEZELS		
DRIVER AND PASSENGER INTERIOR SUN VISORS		



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Description	Weight Front	Weight Rear
<b>Instruments &amp; Controls</b>		
*	9 EXTRA PROGRAMMABLE SWITCHES/INDICATORS \$C1B0056ZZ,C1C0058ZZ,C4U0214ZZ,C1D0230ZZ,C1E0192ZZ,C1F0233ZZ,C1G0156ZZ,C2A0228ZZ,C1 H0238ZZ ELECTRONIC ACCELERATOR CONTROL NO INSTRUMENT PANEL-DRIVER FULLY CONFIGURABLE CENTER INSTRUMENT PANELS BRIGHT ARGENT FINISH GAUGE BEZELS LOW AIR PRESSURE INDICATOR LIGHT AND AUDIBLE ALARM DUAL NEEDLE PRIMARY AND SECONDARY AIR PRESSURE GAUGE ELECTRONIC AIR RESTRICTION INDICATOR DISPLAYED IN DRIVER DISPLAY 97 DB BACKUP ALARM ELECTRONIC CRUISE CONTROL WITH CONTROLS ON STEERING WHEEL SPOKES KEY OPERATED IGNITION SWITCH AND INTEGRAL START POSITION; 4 POSITION OFF/RUN/START/ACCESSORY PREMIUM INSTRUMENT CLUSTER WITH 5.0 INCH TFT COLOR DISPLAY DIGITAL PANEL LAMP DIMMER SWITCH IN DRIVER DISPLAY HEAVY DUTY ONBOARD DIAGNOSTICS INTERFACE CONNECTOR LOCATED BELOW LH DASH 2 INCH ELECTRIC FUEL GAUGE FUEL FILTER RESTRICTION INDICATOR ENGINE REMOTE INTERFACE WITH ONE OR MORE SET SPEEDS QUICKFIT POWERTRAIN INTERFACE CONNECTOR UNDER CAB WITH CAPS QUICKFIT PROGRAMMABLE INTERFACE CONNECTOR(S) UNDER CAB WITH CAP ENGINE REMOTE INTERFACE CONNECTOR AT POWERTRAIN INTERFACE CONNECTOR ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE DIGITAL ENGINE OIL TEMPERATURE IN DRIVER DISPLAY	3



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Description	Weight Front	Weight Rear
ELECTRIC ENGINE OIL PRESSURE GAUGE		
DIGITAL TRANSMISSION OIL TEMPERATURE IN DRIVER DISPLAY		
ELECTRONIC OUTSIDE TEMPERATURE SENSOR DISPLAY IN DRIVER MESSAGE CENTER		
ENGINE AND TRIP HOUR METERS INTEGRAL WITHIN DRIVER DISPLAY		
PTO CONTROLS FOR ENHANCED VEHICLE ELECTRIC/ELECTRONIC ARCHITECTURE		
NO OBSTACLE DETECTION SYSTEM		
NO DR ASSIST SYSTEM		
ELECTRONIC STABILITY CONTROL		
NO LANE DEPARTURE WARNING SYSTEM		
NO OVERHEAD INSTRUMENT PANEL		
1 QUIKFIT PROGRAMABLE MODULE (QPM/XMC) W/ (4) 20AMP FUSED RELAYS	10	
7" B-PANEL INTERACTIVE TOUCHSCREEN DISPLAY RADIO W/ USB-C, APPLE CARPLAY, ANDROID AUTO, BLUETOOTH/AM/FM/SXM/WB, WITH MICROPHONE		
DASH MOUNTED RADIO		
(2) RADIO SPEAKERS IN CAB		
NO AM/FM RADIO ANTENNA		
POWER AND GROUND WIRING PROVISION OVERHEAD		
ROOF/OVERHEAD CONSOLE CB RADIO PROVISION		
SHARKFIN MULTI-BAND ANTENNA: AM/FM/WEATHERBAND, WIFI/BLUETOOTH, SDAR/SIRIUSXM, GNSS/GPS		
INTEROPERABLE SDAR ANTENNA		
ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITHOUT ODOMETER		
STANDARD VEHICLE SPEED SENSOR		
ELECTRONIC 3000 RPM TACHOMETER		
DETROIT CONNECT PLATFORM HARDWARE		
3 YEARS DETROIT CONNECT BASE PACKAGE(FEATURES VARY BY MODEL)		
DETROIT CONNECT PLATFORM		
TMC RP1226 ACCESSORY CONNECTOR LOCATED BEHIND PASSENGER SIDE REMOVEABLE DASH PANEL		



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Description	Weight Front	Weight Rear
IGNITION SWITCH CONTROLLED ENGINE STOP		
TWO EXTRA HARDWIRED SWITCHES IN DASH, INPUT POWER, NO OUTPUT WIRING		
HARDWIRE SWITCH #1, ON/OFF LATCHING, 10 AMPS BATTERY POWER		
HARDWIRE SWITCH #2, ON/OFF LATCHING, 10 AMPS BATTERY POWER		
PRE-TRIP INSPECTION FEATURE FOR EXTERIOR LAMPS AND SERVICE BRAKES		
(1) OVERHEAD MOUNTED LANYARD CONTROL FOR DRIVER AIR HORN		
BW TRACTOR PROTECTION VALVE		
NO TRAILER HAND CONTROL BRAKE VALVE	-2	
DIGITAL TURBO AIR PRESSURE IN DRIVER DISPLAY		
DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY		
SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH DELAY		
ROTARY HEADLAMP SWITCH, MARKER LIGHTS/HEADLIGHTS SWITCH WITH PULL OUT FOR OPTIONAL FOG/ROAD LAMPS		
TWO VALVE PARKING BRAKE SYSTEM WITH WARNING INDICATOR		
SELF CANCELING TURN SIGNAL SWITCH WITH DIMMER, HEADLAMP FLASH, WASH/WIPE/INTERMITTENT		
INTEGRAL ELECTRONIC TURN SIGNAL FLASHER WITH 40 AMP (20 AMP PER SIDE) TRAILER LAMP CAPACITY		
NO WRG/SW-OPTL #2, CHAS, AIR		

**Design**

PAINT: ONE SOLID COLOR

**Color**

CAB COLOR A: L6389EY OMAHA ORANGE ELITE EY  
 BLACK, HIGH SOLIDS POLYURETHANE CHASSIS PAINT  
 POWDER WHITE (N0006EA) REAR WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)  
 POWDER WHITE (N0006EA) PUSHER/TAG WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)  
 SUNVISOR PAINTED SAME AS CAB COLOR A



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Description	Weight Front	Weight Rear
STANDARD E COAT/UNDERCOATING		
<b>Certification / Compliance</b>		
U.S. FMVSS CERTIFICATION, EXCEPT SALES CABS AND GLIDER KITS		
<b>Secondary Factory Options</b>		
CORPORATE PDI CENTER IN-SERVICE ONLY		
<b>Sales Programs</b>		
NO SALES PROGRAMS HAVE BEEN SELECTED		

**TOTAL VEHICLE SUMMARY**

<b>Weight Summary</b>			
	Weight Front	Weight Rear	Total Weight
Factory Weight <sup>+</sup>	10388 lbs	9271 lbs	19659 lbs
<b>Total Weight<sup>+</sup></b>	<b>10388 lbs</b>	<b>9271 lbs</b>	<b>19659 lbs</b>

<b>Extended Warranty</b>	
N	EXT WIRING: HD EXTREME VOCATIONAL CAN ONLY 2 YEARS/200,000 MILES/322,000 KM EXTENDED COVERAGE

(+) Weights shown are estimates only.  
 If weight is critical, contact Customer Application Engineering.

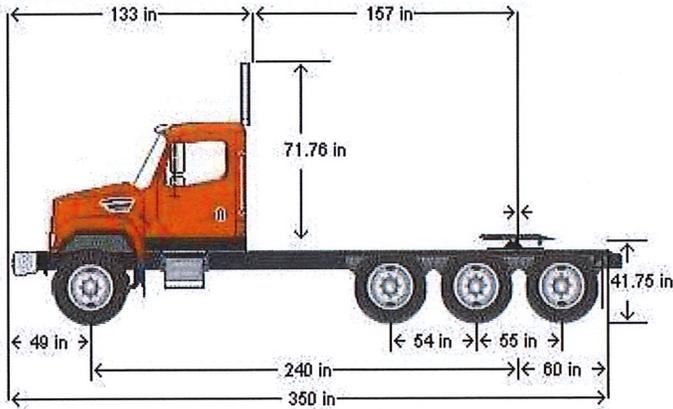
(\*\*\*) All cost increases for major components (Engines, Transmissions, Axles, Front and Rear Tires) and government mandated requirements, tariffs, and raw material surcharges will be passed through and added to factory invoices.



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**D I M E N S I O N S**



**VEHICLE SPECIFICATIONS SUMMARY - DIMENSIONS**

Model .....	114SD
Wheelbase (545) .....	6100MM (240 INCH) WHEELBASE
Rear Frame Overhang (552) .....	1525MM (60 INCH) REAR FRAME OVERHANG
Fifth Wheel (578) .....	HOLLAND FW35 ILS 24.0 INCH AIR SLIDE FIFTH WHEEL - 2 INCH SLIDE INCREMENTS
Mounting Location (577) .....	FIFTH WHEEL 305MM (12.0 INCHES) AHEAD OF SUSPENSION CENTERLINE
Maximum Forward Position (in) .....	12
Maximum Rearward Position (in) .....	-12
Amount of Slide Travel (in) .....	24
Slide Increment (in) .....	2
Desired Slide Position (in) .....	0.0
Cab Size (829) .....	114 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB
Sleeper (682) .....	NO SLEEPER BOX/SLEEPER/CAB
Exhaust System (016) .....	RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH B-PILLAR MOUNTED VERTICAL TAILPIPE

**TABLE SUMMARY - DIMENSIONS**



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Dimensions	Inches
Bumper to Back of Cab (BBC)	132.9
Bumper to Centerline of Front Axle (BA)	49.4
Front Axle to Back of Cab (AC)	83.5
Back of Cab to Centerline of Rear Axle(s) (CA)	156.7
Effective Back of Cab to Centerline of Rear Axle(s) (Effective CA)	156.7
Back of Cab Protrusions (Exhaust/Intake) (CP)	2.0
Back of Cab Protrusions (Side Extenders/Trim Tab) (CP)	0.0
Back of Cab Protrusions (CNG Tank)	0.0
Back of Cab Clearance (CL)	0.0
Back of Cab to End of Frame	216.7
Cab Height (CH)	71.8
Fifth Wheel to Centerline of Rear Axle(s) (FW)	0.0
Wheelbase (WB)	240.2
Frame Overhang (OH)	60.0
Overall Frame Length	351.9
Overall Length (OAL)	349.6
Rear Axle Spacing	55.0
Pusher/Tag Axle Spacing	54.0
Unladen Frame Height at Centerline of Rear Axle	41.8

Performance calculations are estimates only. If performance calculations are critical, please contact Customer Application Engineering.



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# Admin Minnesota

## Office of State Procurement

Room 112 Administration Bldg., 50 Sherburne Ave., St. Paul, MN 55155; Phone: 651.296.2600, Fax: 651.297.3996  
Persons with a hearing or speech disability can contact us through the Minnesota Relay Service by dialing 711 or 1.800.627.3529.

### CONTRACT RELEASE: T-647(5)

**DATE:** January 07, 2025

**PRODUCT/SERVICE:** TRUCKS: SINGLE AND TANDEM AXLE CAB AND CHASSIS

**CONTRACT PERIOD:** JANUARY 1, 2024 TO DECEMBER 31, 2025

**EXTENSION OPTIONS:** UP TO 36 MONTHS

**ACQUISITION MANAGEMENT SPECIALIST (AMS):** MATT FIGGINS

**PHONE:** 651.201.2444    **E-MAIL:** [matthew.figgins@state.mn.us](mailto:matthew.figgins@state.mn.us)    **WEB SITE:** <https://mn.gov/admin/osp/>

#### NOTIFICATION OF MULTIPLE AWARDS

This release contains multiple awards for similar or like items. State Agencies and CPV members should review and compare all multiple award Contractors in order to ensure the best value for their potential purchase. Factors such as, but not limited to, cost, equipment warranty terms, vendor location, delivery lead times, available substitutes, selected options and current fleet and equipment or parts inventory levels all may contribute to the total cost/value of an individual purchase. Multiple Vendors may be able to satisfy the requirements of the purchaser and therefore it is important for the purchaser to review ALL Contracts and Contract prices before executing an order.

<u>CONTRACTOR</u>	<u>CONTRACT NO.</u>	<u>MFRS. OFFERED</u>	<u>TERMS</u>	<u>DELIVERY</u>
<b>BOYER TRUCKS SAINT MICHAEL</b> 4631 Odessa Ave NE St. Michael, MN, 55376	<b>242593</b>	<b>Western Star/ Freightliner</b>	<b>NET 30</b>	<b>Given at time of order</b>

**VENDOR NO:** 0000204689-003

Bill Fischer  
Fleet Sales  
**OFFICE:** 612.676.3800 | **FAX:** 612.676.3805 | **EMAIL:** [bfischer@boyertrucks.com](mailto:bfischer@boyertrucks.com)

<b>BOYER TRUCKS SUPERIOR</b> 1202 Susquehanna Ave. Superior, WI 54880	<b>242594</b>	<b>Western Star/Freightliner</b>	<b>NET 30</b>	<b>Given at time of order</b>
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**VENDOR NO:** 0000204689-007

Bill Fischer  
Fleet Sales  
**OFFICE:** 612.676.3800 | **FAX:** 612.676.3805 | **EMAIL:** [bfischer@boyertrucks.com](mailto:bfischer@boyertrucks.com)

Contract Release: T-647(5)

<u>CONTRACTOR</u>	<u>CONTRACT NO.</u>	<u>MFRS. OFFERED</u>	<u>TERMS</u>	<u>DELIVERY</u>
<b>TRUCK CENTER COMPANIES LLC</b> 2200 4 <sup>th</sup> Ave. North Mankato, MN 56001	<b>242587</b>	<b>Western Star, Freightliner, Autocar</b>	<b>NET 30</b>	<b>Given at time of order</b>

**VENDOR NO:** 0001064183-001

Jeremiah Javens  
Sales Manager

**OFFICE:** 507.828.0222 | **FAX:** 507.929.0664 | **EMAIL:** [jjavens@tcctrucks.com](mailto:jjavens@tcctrucks.com)

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<b>I STATE TRUCK CENTER, INC.</b> 11152 Courthouse Blvd. Inver Grove Heights, MN 55077	<b>242591</b>	<b>Western Star/Freightliner</b>		<b>Given at time of order</b>
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**VENDOR NO:** 0000258285-001

Paul Zeidler **OFFICE:** 651.455.9775 | **FAX:** 651.457.3209 | **EMAIL:** [paul.zeidler@istatetruck.com](mailto:paul.zeidler@istatetruck.com)

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<b>NORTH CENTRAL INTERNATIONAL OF ST. CLOUD, LLC</b> 375 33 <sup>rd</sup> Ave. South St. Cloud, MN 56301	<b>242589</b>	<b>International</b>	<b>NET 30</b>	<b>Given at time of order</b>
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**VENDOR NO:** 000 0001051021 -002

Brian Simon  
GM

**OFFICE:** 320.266.2788 | **FAX:** 320.266.2788 | **EMAIL:** [Brian.Simon@northcentralintl.com](mailto:Brian.Simon@northcentralintl.com)

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<b>NUSS TRUCK &amp; EQUIPMENT, INC.</b> 2195 West County Road C2 Roseville, MN 55113	<b>242595</b>	<b>Mack &amp; Volvo</b>	<b>NET 30</b>	<b>Given at time of order</b>
--	---------------	-------------------------	---------------	-------------------------------

**VENDOR NO:** 0000201150-003

Dan Chipman  
Sales Engineer

**OFFICE:** 651.633.4810 | **FAX:** 651.635.0928 | **EMAIL:** [dchipman@nussgrp.com](mailto:dchipman@nussgrp.com)

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<b>DAVE SYVERSON, INC.</b> 7 County Road 16 SE Rochester, MN 55904	<b>242592</b>	<b>Freightliner</b>	<b>NET 30</b>	<b>Given at time of order</b>
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**VENDOR NO:** 0000205458-001

Andrew Peterson  
Sales

**OFFICE:** 507.990.6763 | **FAX:** 507.289.1534 | **EMAIL:** [andrewp@davesyversson.com](mailto:andrewp@davesyversson.com)

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Contract Release: T-647(5)

<u>CONTRACTOR</u>	<u>CONTRACT NO.</u>	<u>MFRS. OFFERED</u>	<u>TERMS</u>	<u>DELIVERY</u>
RDO TRUCK EQUIPMENT 3401 38 <sup>th</sup> Street South Fargo, ND 58104	242588	Mack	NET 30	Given at time of order

VENDOR NO: 0000197753-001

John Stearns  
Sales  
OFFICE: 701-282-5400 Ext. 1104 | EMAIL: [jbs@rdotc.com](mailto:jbs@rdotc.com)

<u>CONTRACTOR</u>	<u>CONTRACT NO.</u>	<u>MFRS. OFFERED</u>	<u>TERMS</u>	<u>DELIVERY</u>
HARDLINE EQUIPMENT 7550 Dahlia Street Commerce City, CO 80022	242590	Dennis Eagle	NET 30	Given at time of order

VENDOR NO: 0000986664-001

Russ Loomis  
Sales  
OFFICE: 303.288.8989 | FAX: 507.289.1534 | EMAIL: [russ@hardlineequipment.com](mailto:russ@hardlineequipment.com)

**CONTRACT USERS.** This Contract is available to the following entities as indicated by the checked boxes below

- State agencies
- Cooperative Purchasing Venture (CPV) members

**STATE AGENCY CONTRACT USE.** This Contract must be used by State agencies unless a specific exception is granted in writing by the AMS listed above

**STATE AGENCY ORDERING INSTRUCTIONS.** Orders are to be placed directly with the Contractor. State agencies should use a Contract release order (CRO) or a blanket purchase order (BPC). The person ordering should include his or her name and phone number. Orders may be submitted via fax.

**CONTRACT FEEDBACK.** If these commodities or service can be better structured to help you with your business needs, let us know. We solicit your comments and suggestions to improve all of our contracts so that they may better serve your business needs. If you have a need for which no contract currently exists, or you would like to be able to use an existing state contract that is not available to your entity, whether a state agency or CPV, please contact us. If you have specific comments or suggestions about an individual contract you can submit those via the [Contract Feedback Form](#).

**SERVICE CERTIFICATION FORM REQUIREMENTS.** Pursuant to Minn. Stat. § 16C.09, agencies must complete a "Service Contract Certification Form" prior to issuing an order for services offered from this Contract.

## HOW TO USE THIS MASTER CONTRACT

### **Step 1: Request a Quote**

Request a quote from one of the Contractors listed on this Contract Release. **Note that you should not request a quote from a Contractor whose contract is not fully executed or on a contract that is expired.**

**At a minimum the quote must include:**

1. Contractor's name.
2. Name of Contractor's representative providing the quote.
3. Date of quote.
4. State Contract Release T-647(5) and Contract number.
5. Detailed description of the Contract product(s) or item(s) being provided. Individual price, quantity and the agreed upon ARO.
6. Detailed description of the products that will be order and the title of the person accepted the order. Price per product ordered and state the agreed upon ARO per order.
7. Total price for all products/items quoted.
8. Expiration date of quote.

### **Step 2: The Ordering Entity is to verify the quote to confirm contract pricing and that the After Receipt of Order (ARO), offered meets the business need.**

The following information explains the methods for calculating and/or confirming the contract prices.

- For FIXED pricing, the pricing offered must match or be lower than that detailed on this release on the MnDOT web page.
- **Price Lists:** Contact the Contractor to confirm the equipment brand, model and build specifications to satisfy your operational requirements. The Contractor shall confirm the equipment brand, model, and build specifications to the customer. Contracts were executed with a fix price. Prices can be found on the Minnesota Department of Transportation Maintenance Contracts (link below).

<http://www.dot.state.mn.us/maintenance/equipment/contracts/contracts.html>

Only accept Contractor quotes that provide itemized contract pricing (lump sum price quotes must be rejected and revised by the Contractor to show itemized State contract pricing).

Prior to accepting an order and/or issuing an invoice, inspect the products received to ensure they match both the terms and pricing of the contract.

Contact the AMS/Buyer detailed on the first page of this Contract Release to report any pricing discrepancies or for assistance in confirming/calculating contract pricing.

### **Step 3: Establish a Purchase Order.**

Once the ordering plan has been approved, a purchase order (PO) may be issue before any products is shipped by the Contractor.

State agencies issuing purchase orders should use a Contract Release Order (CRO) or a Blanket Purchase Order (BPC).

**Step 4: Paying the final Invoice**

Before issuing payment on an invoice, the Ordering Entity must inspect the contract products to ensure they match both the terms and pricing on the contract. Only accept invoices from Contractors that itemized contract products and delivery charges as stated in the Special Terms. Lump sum prices must be rejected and reworked by the Contractor to show itemized State contract pricing. The invoice must include enough detail for the Ordering Entity to verify that the products were delivered on the invoice have been provided.

Note that the delivery method (Drop Ship or Inside Delivery) must be stated on the invoice.

## END OF HOW TO USE THIS MASTER CONTRACT INSTRUCTIONS

### SPECIAL TERMS AND CONDITIONS

**SCOPE.** The purpose of the Contract is to provide a source for Trucks: Single and Tandem Axle Cab and Chassis, on an as needed basis.

**CONTRACT EXTENSIONS.** After the "initial" twelve (24) month term of the Contract, the State may choose to extend the Contract for up to 36 months with one or more of the Contractors, providing the prices, terms and conditions are mutually agreed. The State also reserves the right to re-issue all or part of the equipment line. Models that become available after the bid closes may be evaluated by the AMS/Buyer. The AMS/Buyer may elect to bid the models and add them to the contract.

A Contract extension will not be automatically executed. The Contractor's overall performance, the sales activity to State agencies and/or CPV members and any proposed Contract price adjustments may be factors in consideration of an extension.

**PRICES.** Prices are firm through the initial period of the contract. After that period, prices may increase once a year. Price increases are not effective until they are approved by the AMS. **NOTE:** At no time should the ordering entity pay more than the Contract price. Agencies must contact the AMS immediately and fill out a Vendor Performance Report if there is a discrepancy between the price on the invoice and the Contract price.

**INSTALLATION SERVICES.** Unless otherwise called for on the Price Schedule, the Contractor MAY NOT add costs for installation services. Prices offered for attachments must include everything needed so unit is complete and ready to use by the operator from the cab and must include all installation/mounting costs. All options must include installation.

**DELIVERY CHARGES.** The Price Schedule shows *the delivery charge per loaded mile and the delivery starting point*. If delivery is included in product cost, the Contractor may enter "0.00."

Mileage distance will be the distance from the delivery starting point to the Customer's delivery point only. Mileage distances will be determined from <https://www.google.com>. The ordering agency may use the Contractor delivery, may pick up the equipment, or may contract for delivery with anyone it chooses.

**DELIVERY REQUIREMENTS.** The Contractor must notify the receiving agency at least 72 hours before delivery to allow for inspection and compliance. No delivery can be made on State holidays, Saturday, or Sunday or after 4:00 p.m. on weekdays without prior approval by the agency to which the equipment is being delivered. The Contractor must confirm delivery locations and requirements with the Customer. Prior to delivery, the Contractor is responsible for confirming with the Customer that the delivery location will accommodate unloading the equipment.

**BILLING REQUIREMENTS.** The Contractor must submit detailed invoices for each purchase order to the "bill-to" address as shown on the purchase order.

If requested, the Contractor must submit one copy of the original purchase order issued from the State agency or CPV member and one copy of the final invoice for each transaction against the Contract to the AMS/Buyer. The invoice must be itemized per the detail in the Manufacturer's Vendor Price Schedule that is submitted with the RFP. The State intends that the final invoice is generated only after the equipment has been delivered, inspected, approved, and accepted.

**ALL EQUIPMENT OFFERED SHOULD BE AVAILABLE DURING THE INITIAL TERM OF THE CONTRACT. IF THE MANUFACTURER DISCONTINUES A MODEL NUMBER DURING THE INITIAL TERM OF THE CONTRACT, THE CONTRACTOR MUST NOTIFY THE AMS/BUYER IN WRITING IMMEDIATELY.**

**IF APPLICABLE, THE CONTRACTOR MAY REQUEST TO HAVE THE MANUFACTURER'S REPLACEMENT MODEL NUMBER SUPERSEDE THE CONTRACTED MODEL NUMBER. THE CONTRACTOR MUST PROVIDE AN UPDATED PRICE SCHEDULE AND WRITTEN DOCUMENTATION FROM THE MANUFACTURER VERIFYING BOTH THE DISCONTINUED AND REPLACEMENT MODEL NUMBERS. THE REPLACEMENT MODEL NUMBER MUST MEET THE ORIGINAL SPECIFICATION AND MUST BE THE SAME PRICE AS ORIGINALLY CONTRACTED, UNLESS OTHERWISE AGREED TO BY THE AMS/BUYER THROUGH A FULLY EXECUTED AMENDMENT.**

**NO REPLACEMENT MODELS WILL BE ALLOWED UNLESS CONFIRMED IN WRITING BY THE AMS/BUYER THROUGH A FULLY EXECUTED AMENDMENT. THE STATE IS UNDER NO OBLIGATION TO ACCEPT A REPLACEMENT MODEL.**

**EQUIPMENT LITERATURE.** Upon request by a State agency or CPV member, the Contractor shall provide literature at no cost for the equipment offered on Contract.

**EQUIPMENT SPECIFICATIONS.** All equipment on contract meets the specifications as outlined in the Equipment Specifications section and all federal and State safety codes. The Contractor certifies that any all equipment will meet the specification as outlined.

All optional equipment ordered must be OEM unless otherwise stated in the Equipment Specification.

It is agreed that any equipment delivered that fails to meet the specifications will be replaced at no additional expense to the Customer and that all equipment quoted will comply with the State and federal regulations in effect at the date of manufacture. Any exceptions from specifications must be clearly indicated by the Contractor, otherwise the offer will be considered in strict compliance.

**ORIGINAL EQUIPMENT MANUFACTURER (OEM) WARRANTY.** The equipment offered must include the OEM standard warranty. The Contractor shall be responsible for the cost of any inspections, adjustments, warranted parts, and labor charges to repair or replace warranted parts that are a result of equipment failure(s) during the warranty period. This shall be performed promptly unless otherwise mutually agreed by the Customer and the Contractor. This warranty shall commence when the unit is put into service. The Contractor shall also state the warranty term (months, years) for chassis models listed on the price pages.

- A. OEM EXTENDED WARRANTY OPTIONS.** If offering extended OEM warranty options include a copy of the warranty terms and conditions and detail the coverage that the extended warranty option includes with the Contract response.

When making down time offering and extended warranty options, if included on the Price Schedule, the price must include all associated costs and indicate the number of years, miles, or hours the extended warranty term covers.

- B. CONTRACTOR (ADD ON) WARRANTY OPTIONS.** If included on the Price Schedule the Contractor may offer additional warranty options, and these shall include, travel, pickup and/or delivery charges that are a result of equipment failure(s) prior to possession or during the warranty period or extended warranty period. This option shall commence when the unit is put into service and is in addition to OEM warranty options stated above.

**OPTIONAL EQUIPMENT.** The State intends that any optional equipment and packages that are available from the manufacturer for the type of equipment outlined in the Contract be included.

If additional equipment is requested that is not covered by the Contract, the purchaser must follow the procurement procedures for their entity and issue a separate purchase order for audit purposes.

If similar items are available on other State Contracts, the State agency may choose which Contract to purchase from.

**MISCELLANEOUS ITEMS.** A customer may purchase incidental miscellaneous parts, accessories and labor that is directly related to a specific item(s) included on the Contract. The total cost for these miscellaneous items may not exceed \$5,000.00 for an individual purchase order. If the customer's entity requires a lower threshold for competitive bidding other than \$5,000.00, they must follow their local entity's requirements. Any purchase order issued from the contract must be issued to the Contractor.

**EQUIPMENT ORIENTATION.** The cost of the equipment must include orientation to the end user that will familiarize the end user on how the vehicle will operate, the mounting and removal of accessories and/or options and all operating and safety instruction. The orientation is normally provided where the customer takes possession. Orientation for drop shipped goods may be accomplished via video or via other customer approved media.

**Transit Improvement Vehicle Excise Tax.**

A \$20 Transit Improvement Vehicle Excise Tax applies to sales of motor vehicles registered for road use. The \$20 must be collected by any person in the business of selling new or used motor vehicles at retail when the sale occurs in the transit tax area. The \$20 tax applies even if the buyer is from out of state and will take the vehicle out of Minnesota for registration. The \$20 tax is not connected to registration, but rather to the sale. The Deputy Registrar does not collect this tax. The Contractor (dealer) must report the \$20 on their electronic sales tax return at the same time as they report their Minnesota sales and use tax.

The sale occurs where the purchaser takes possession of the vehicle. So, if the vehicle is sold in the transit tax area, but is *delivered out of the transit tax area*, the \$20 excise tax does not apply. Conversely, if the vehicle is sold outside of the transit tax area, but is *delivered into the transit tax area*, the \$20 excise tax does apply.

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**Exceptions to the \$20 Transit Improvement Vehicle Excise Tax:**

Federal government agencies, vehicles not required to be licensed for road use (e.g., marked police cars, fire trucks and ambulances) and vehicles for resale.

Leased vehicles.

**As a point of clarification, the following taxes DO NOT apply to the sale of motor vehicles:**

- General Sales and Use Tax
- City and County Local Tax
- Federal Excise Tax (as the State is Exempt)
- Transit Improvement 0.25% Sales and Use Tax

Transit improvement Vehicle Excise Tax is not to be included in the prices offered. Transit Improvement Vehicle Excise Tax shall be a separate line item on the quote and invoice..

**CONTRACT PRICES.** There is a fixed price for the base unit and all optional equipment and services being offered for the initial Contract term.

Under the umbrella of this Contract, Contractors may not offer reduced prices based on damaged equipment or lower prices contingent upon a potential equipment trade-in or any other ordering incentive. This includes, but is not limited to, offering optional items that are on the Price Schedule at "no charge" to secure the order.

Customers wishing to pursue additional price discounts or items that are not listed on the Contract must issue a separate Contract according to their entities' purchasing procedures.

A Vendor Performance Report will be filed against any Contractor who does not follow the terms of the Contract and may, but not limited to, have its Contract cancelled or may be suspended and/or debarred from doing business with the State.

**ADDITIONAL ITEMS.** The State reserves the right to add additional items which may include, but not limited to, options, new model years, and new models to this contract if mutually agreed between the State and the Contractor. Changes must be made through the AMS/Buyer via an amendment to the contract.

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**TRADE-IN.** If requested in writing by the ordering entity, the Contractor may allow equipment to be used as trade-in against new contract equipment purchases. Trade-ins will be allowed on a case-by-case basis, and the ordering entity has the right to refuse any offer made by the Contractor. All equipment will be traded "as is, where is," with no guarantee express or implied.

Title to the trade-in equipment will transfer to the Contractor when the new equipment is delivered and accepted by the ordering entity, unless otherwise agreed to in writing by the Contractor and the ordering entity. The ordering entity assumes all costs associated with the title transfer of the trade-in equipment unless otherwise agreed to in writing by the Contractor and the ordering entity. The title of State equipment trade-ins shall be provided to the Contractor in accordance with Minn. Stat. § 168A.11.

## EQUIPMENT SPECIFICATION 2024

### 1.0 SINGLE AXLE CAB & CHASSIS REQUIREMENTS

This unit shall be a currently advertised production model as modified per specifications and approved by MnDOT furnished with all standard equipment advertised whether or not specifically called for here except where the item is replaced by optional over standard equipment or conflicting equipment is specified. The unit shall be complete with all equipment required and ready for immediate operation to function as listed below and the unit must meet applicable codes and standards.

### 2.0 FRAME

- 2.1 Frame shall be single channel only, 632,000 RBM minimum.
- 2.2 Contractor shall offer heavier and longer frames in Section 2.0 of pricing pages if available, list single channel frames that are as heavy as available for snowplow application.
- 2.3 Rear of frame shall be open end, square.
- 2.4 Center line of rear axle to rear of frame shall be 30" minimum.
- 2.5 Frame shall include front bumper.

### 3.0 AXLE/SUSPENSION/BRAKES

- 3.1 Gross vehicle weight rating shall be determined by axle and suspension components as ordered by customer.
- 3.2 Front axle shall be 8,000 lb. capacity, minimum.
- 3.3 Front axle bearings shall be fluid lubricated, with synthetic lubrication.
- 3.4 Front suspension shall be 8,000 lb. Minimum.
- 3.5 Front axle shall have power steering.
- 3.6 Front suspension assist air bag systems must be O.E.M. systems only, offer them as an option in Section 3.0 of pricing page.
- 3.7 Front brakes shall be air, s-cam or air disc. Each optional front axle shall meet this specification also.
- 3.8 Rear axle shall be single, 16,500 lb. capacity minimum, ratio as requested by customer, with synthetic lubrication. Vendor is to indicate top speed to customer when selecting rear end ratio. Tandem axle options must be offered as a separate model using tandem axle specification and pricing pages. Award will still be per model, combining tandem and singles of the same model.
- 3.9 Rear springs shall be 16,500 lb. capacity minimum.
- 3.10 Rear brakes shall be air s-cam or air disc. Each optional rear axle shall meet this specification also.

### 4.0 TIRES/RIMS HUBS

- 4.1 Front tires shall be deep tread rib type 22.5" 14 ply.
- 4.2 Front and rear hub to be 10-hole piloted ISO steel disc, 8 holes may be used if 10 holes is not an option.
- 4.3 Front and rear wheel rims shall be 22.5" tubeless type.
- 4.4 Rear tires shall be deep tread traction type 22.5" 14 ply.

### 5.0 BRAKE SYSTEM

- 5.1 Air compressor shall be liquid cooled not less than 13.2 CFM capacity.
- 5.2 Unit shall have a heated air dryer.

### 6.0 ENGINE/RELATED EQUIPMENT

- 6.1 Engine shall be Battery Electric Vehicle or electric diesel, with SAE gross horsepower not less than 195- and 520-pound foot torque. Offer hybrid options in appropriate engine, transmission, or electrical section.
- 6.2 Alternator shall be 100 amps minimum, if required.
- 6.3 For diesel engines Batteries shall be 12 volt, 1850 CCA at 0 F, fully enclosed battery box, sealed battery connections. For Battery Electric Vehicles, battery system must be new current model year part and nonrefurbished battery systems.
- 6.4 Exhaust system shall be horizontal with horizontal muffler, if available & required.
- 6.5 Exhaust system options, if required, shall be offered in conjunction with engines, list exhaust options with

engine options in Section 8.0 of pricing pages.

6.6 Unit shall have fuel tank, 40 gallon minimum, if required.

6.7 Engines must meet or exceed the EPA standards in effect at time of order.

#### **7.0 TRANSMISSION**

7.1 Transmission shall be manual, 6 speed, with 14" or better ceramic clutch minimum.

#### **8.0 ELECTRICAL**

8.1 Electrical protection shall be provided by fuses or equal.

#### **9.0 CAB EXTERIOR**

9.1 Cab shall be two or three-person size, including crew cabs, extended cabs, and cab-over design.

9.2 Hood shall be fiberglass or equivalent.

9.3 Outside mirrors shall be western, dual, with auxiliary 7.44" or larger convex mirrors mounted offset, all stainless steel or rust-free material including brackets.

#### **10.0 CAB INTERIOR**

10.1 Unit shall have power steering. Steering wheel adjustment capabilities shall be offered as options.

10.2 Unit shall have electronic cruise control.

10.3 Flooring shall be rubber or vinyl rather than carpet.

#### **11.0 OTHER REQUIREMENTS**

11.1 Manufacturer's standard base color acceptable, lead free paint, customer to indicate color at time of order.

11.2 Contractor to ensure equipment meets all current Federal and Minnesota safety codes.

11.3 The Contractor shall furnish a standard manufacturer's warranty. The Contractor shall be responsible for the cost of any inspections, adjustments, parts and labor that are a result of equipment failure(s) during the warranty period. This shall be performed without any delay period. This warranty shall commence when the unit is put into service. The Contractor shall state warranty for all items requested on the pricing page.

#### **12.0 PRICING FOR OPTIONAL ITEMS**

12.1 Firewall mounted Donaldson Single Stage Air Cleaner with door(s) capable of either 100% under hood or 100% outside air intake, air restriction gauge dash mounted or approved equal.

12.2 Coolant hoses (radiator, heater, engine bypass or draw down) which are silicone or EPDM Kevlar reinforced with Breeze constant torque clamps and or shrink band clamps on all coolant hoses.

12.3 Pricing for both right hand and left hand, vertical, frame mounted exhaust and DPF, if available.

12.4 Fender mirrors shall be 8" minimum, one on each side, convex, stainless steel, or rust-free including bracket, customer to approve mounting.

12.5 Heated West Coast mirrors actuated by separate dash or door mounted switches.

12.6 Signal Stat 935 non-canceling (with brake overriding the flasher) turn signal switch.

12.7 Fuel tank shall be LH or RH mount not less than 75-gallon capacity, rectangular, aluminum, installed such that bottom of fuel tank assembly (including bracket) is no more than 8" lower than bottom of frame rail.

Installation must be complete and meet ICC requirements. Customer to approve mounting.

12.8 Tilting hood which does not interfere with front mounted P.T.O. and plow equipment. Grill shall be fixed, full length, and grill shall not tip forward when hood is opened.

12.9 Regarding the warranty statement (spec 11.3), price shall be provided for: "Contractor shall be responsible for payment of any travel, pickup and/or delivery charges (towing) as a consequence of a warranty claim".

(List price for this on pricing page 14.1.)

12.10 State agencies and CPV Members that anticipate ordering 10 or more units on one purchase order may request a pre-build meeting. Contractors should provide a cost for a pre-build specifications meeting. A price shall be provided on the price sheets for having the manufacturer's representative meet within the State of Minnesota at a location agreed to by the purchaser and the Contractor.

12.11 The Contractor must provide a price per person for all expenses incurred to participate in a pilot inspection of the cab & chassis. The pilot inspection shall occur at the assembly plant or, if it is at a different location, sufficient factory personnel must be present to accomplish an effective pilot inspection. The Contractor

must provide a price per person for a State employee(s) to attend that will cover all allowable expenses as dictated by the State employee's labor agreement. This includes, but is not limited to, air fare, transportation, lodging and meals. The Contractor must ensure the compliance of all laws including, but not limited to Minn. Stat. § 434.38, (Code of Ethics for Employees in Executive Branch) and Minn. Stat. § 151.43 (Penalty for Acceptance of Advantage by State Employees).

12.12 Price shall include ICC tractor/trailer lighting system with socket mounted at rear of frame approved by MnDOT, socket to be standard Plus TCP77F or metal Berg Connector or equal (any substitute must be compatible with existing male connectors). Wiring shall include 12" extra loop of wire. Trailer tow package shall also include air brake package plumbed to rear of frame complete with glad hands and dust caps, which includes 12 in. extra loop.

### **13.0 TANDEM AXLE CAB & CHASSIS REQUIREMENTS**

This unit shall be a currently advertised production model as modified per specifications and approved by MnDOT furnished with all standard equipment advertised whether or not specifically called for here except where the item is replaced by optional over standard equipment or conflicting equipment is specified. The unit shall be complete with all equipment required and ready for immediate operation to function as listed below and the unit must meet applicable codes and standards.

### **14.0 FRAME**

14.1 Frame shall be single channel 1,700,000 RBM minimum.

14.2 Contractor shall offer heavier and longer frames in section 2.0 of pricing pages if available, list frames that are as heavy as available for snowplow application.

14.3 Rear of frame shall be open end, square.

14.4 Center line of rear axle to rear of frame shall be 65" minimum.

14.5 Frame shall include front bumper.

### **15.0 AXLE/SUSPENSION/BRAKES**

15.1 Gross vehicle weight rating shall be determined by axle and suspension components as ordered by customer.

15.2 Front axle shall be 12,000 lb. capacity, minimum.

15.3 Front axle bearings shall be fluid lubricated, with synthetic lubrication.

15.4 Front suspension shall be 12,000 lb. minimum.

15.5 Front axle shall have power steering.

15.6 Twin Steer axles must be O.E.M items only, offer them as options in section 3.0

15.7 Front suspension assist air bag systems must be O.E.M. systems only, offer them as an option in section 3.0 of pricing pages.

15.8 Front brakes shall be air, s-cam or air disc. Each optional front axle shall meet this specification also.

15.9 Rear axle shall be tandem, 40,000 lb. capacity minimum, ratio as requested by customer, with synthetic lubrication. **Contractor shall indicate top speed to customer when selecting rear end ratio.** Single axle options must be offered as a separate model using single axle specification and pricing pages. Award will still be per model, combining tandem and singles of the same model.

15.10 Rear springs shall be 40,000 lb. capacity minimum.

15.11 Tag axles and Pusher axles must be O.E.M. systems only, offer them as an option in section 4.0

15.12 Rear brakes shall be air s-cam or air disc. Each optional rear axle shall meet this specification also.

### **16.0 TIRES/RIMS HUBS**

16.1 Front tires shall be deep tread rib type 11R, 22.5" 14 ply.

16.2 Front & rear hub to be 10-hole piloted ISO steel disc, 8 holes may be used if 10 holes is not an option.

16.3 Front and rear wheel rims shall be 8.25"x 22.5", 7300 lb. minimum capacity, tubeless type.

16.4 Rear tires shall be deep tread traction type 11R, 22.5" 14 ply.

### **17.0 BRAKE SYSTEM**

17.1 Air compressor shall be liquid cooled not less than 13.2 CFM capacity.

17.2 Unit shall have a heated air dryer.

### **18.0 ENGINE/RELATED EQUIPMENT**

18.1 Engine shall be Battery Electric Vehicle or electronic diesel, with SAE gross horsepower not less than 250- and 660-pound foot torque. Offer hybrid options in appropriate engine, transmission or electrical section.

18.2 Alternator shall be 100 amps minimum, if required.

18.3 For diesel batteries shall be 12 volt, 1850 CCA at 0 F, fully enclosed battery box, sealed battery cable connections. For Battery Electric Vehicle, battery system must be new current model year part and nonrefurbished battery systems.

18.4 Exhaust system shall be horizontal with horizontal muffler, if available & required.

18.5 Exhaust system options, if required, shall be offered in conjunction with engines, list exhaust options with engine options in section 8.0 of pricing pages.

18.6 Unit shall have fuel tank, 40 gallon minimum, if required.

18.7 Engines must be meet or exceed the current EPA standards in effect at time of ordering.

### **19.0 TRANSMISSION**

19.1 Transmission shall be manual, 9 speed with 14" or better ceramic clutch minimum.

### **20.0 ELECTRICAL**

20.1 Electrical protection shall be provided by fuses or greater.

### **21.0 CAB EXTERIOR**

21.1 Cab shall be two or three-person size.

21.2 Hood shall be fiberglass or equivalent.

21.3 Outside mirrors shall be western, dual, with auxiliary 7.44" or larger convex mirrors mounted offset, all stainless steel or rust-free material including brackets.

### **22.0 CAB INTERIOR**

22.1 Unit shall have power steering. Steering wheel adjustment capabilities shall be offered as options.

22.2 Unit shall have electronic cruise control.

22.3 Flooring shall be rubber or vinyl rather than carpet.

### **23.0 OTHER REQUIREMENTS**

23.1 Manufacturer's standard base color acceptable, lead free paint, customer to indicate color at time of order.

23.2 Contractor to ensure equipment meets all current Federal and Minnesota safety codes.

23.3 The Contractor shall furnish a standard manufacturer's warranty. The Contractor shall be responsible for the cost of any inspections, adjustments, parts and labor that are a result of equipment failure(s) during the warranty period. This shall be performed without any delay period. This warranty shall commence when the unit is put into service. The Contractor shall state warranty for all items requested on the pricing page.

### **24.0 OPTIONAL ITEMS**

24.1 Firewall mounted Donaldson Single Stage Air Cleaner with door(s) capable of either 100% under hood or 100% outside air intake, air restriction gauge dash mounted or approved equal

24.2 Coolant hoses (radiator, heater, engine bypass or draw down) which are silicone or EPDM Kevlar reinforced with Breeze constant torque clamps and or shrink band clamps on all coolant hoses.

24.3 Pricing for both right hand and left hand, vertical, frame mounted exhaust and DPF, if available.

24.4 Fender mirrors shall be 8" minimum, one on each side, convex, stainless steel or rust free, including bracket, customer to approve mounting.

24.5 Heated West Coast mirrors actuated by separate dash or door mounted switch.

24.6 Signal Stat 935 non-canceling (with brake overriding the flasher) turn signal switch.

24.7 Fuel tank shall be LH or RH mount not less than 75-gallon capacity, rectangular, aluminum, installed such that bottom of fuel tank assembly (including bracket) is no more than 8" lower than bottom of frame rail.

Installation must be complete and meet ICC requirements. Customer to approve mounting.

24.8 Tilting hood which does not interfere with front mounted P.T.O. and plow equipment. Grill shall be fixed, full

length, and grill shall not tip forward when hood is opened.

24.9 Regarding the warranty statement (spec 11.3), price shall be provided for. The Contractor shall be responsible for payment of any travel, pickup and/or delivery charges (towing) as a consequence of a warranty claim". (List price for this on pricing page 14.1.)

24.10 State agencies and CPV Members that anticipate ordering 10 or more units on one purchase order may request a pre-build meeting. Contractors should provide a cost for a pre-build specifications meeting. A price shall be provided on the price sheets for having the manufacturer's representative meet within the State of Minnesota at a location agreed to by the purchaser and the Contractor.

24.11 The Contractor must provide a price per person for all expenses incurred to participate in a pilot inspection of the cab & chassis. The pilot inspection shall occur at the assembly plant or, if it is at a different location, enough factory personnel must be present to accomplish an effective pilot inspection. The Contractor must provide a price per person for a State employee(s) to attend that will cover all allowable expenses as dictated by the State employee's labor agreement. This includes, but is not limited to, air fare, transportation, lodging and meals. The Contractor must ensure the compliance of all laws including, but not limited to Minn. Stat. § 434.38, (Code of Ethics for Employees in Executive Branch) and Minn. Stat. § 151.43 (Penalty for Acceptance of Advantage by State Employees).

24.12 Price shall include ICC tractor/trailer lighting system with socket mounted at rear of frame approved by MnDOT, socket to be standard Plus TCP77F or metal Berg Connector or equal (any substitute must be compatible with existing male connectors). Wiring shall include 12" extra loop of wire. Trailer tow package shall also include air brake package plumbed to rear of frame complete with glad hands and dust caps, which includes 12 in. extra loop.

24.13 On MnDOT order unit's contractor must move the air horn valve so the air horn pull is by the driver's door.

24.14 Stainless-steel sill plate made and installed on MnDOT ordered units.

24.16 Contractor must hold up to 60 MnDOT ordered units at one time on contractor's lot until MnDOT request them on as needed basis.

24.17 Test auxiliary switches to make sure they are wired up correctly on MnDOT order units.

24.18 Install brake condolers on MnDOT order units.

24.19 Put on temporary mud flaps so MnDOT unit can be transported.

**MINIMUM ORDER.** None.

**REVISIONS.**

**12/31/2024** – Extension Amendments for contracts 242593, 242594, 242587, 242591, 242589, 242595, 242592, 242588, 242590

<u>SWIFT LINE</u>	<u>PRODUCT OR SERVICE</u>	<u>UNSPSC CODE</u>
1.	Trucks: Single & Tandem Axle Cab & Chassis	25101601

## Price Schedules & Models Awarded

### Boyer St Michael – [Price Schedule](#)

- Western star 47X S/A
- Western star 47X T/A
- Western star 49X T/A
- Freightliner 108SD S/A
- Freightliner 108SD T/A
- Freightliner 114SD S/A
- Freightliner 114SD T/A
- Freightliner M2 106 S/A
- Freightliner M2 106 T/A
- Freightliner M2 112 S/A
- Freightliner M2 112 T/A

### Boyer Superior – [Price Schedule](#)

- Western star 47X S/A
- Western star 47X T/A
- Western star 49X T/A
- Freightliner 108SD S/A
- Freightliner 108SD T/A
- Freightliner 114SD S/A
- Freightliner 114SD T/A
- Freightliner M2 106 S/A
- Freightliner M2 106 T/A
- Freightliner M2 112 S/A
- Freightliner M2 112 T/A

### Dave Syverson Truck Center – [Price Schedule](#)

- Freightliner 108SD S/A
- Freightliner 108SD T/A
- Freightliner M2 112 S/A
- Freightliner M2 112 T/A
- Freightliner 114SD S/A
- Freightliner 114SD T/A

### Hardline Equipment – [Price Schedule](#)

- Dennis Eagle ProView RHD/LHD T/A

## I State Truck Center – [Price Schedule](#)

- Freightliner M2 106 Plus S/A
- Freightliner M2 106 Plus T/A
- Freightliner 108SD S/A
- Freightliner 108SD T/A
- Freightliner 114SD S/A
- Freightliner 114SD T/A
- Freightliner M2EV T/A
- Freightliner Econic SD T/A
- Western star 47X T/A
- Western star 47X S/A
- Western star 49X T/A

## North Central International LLC – [Price Schedule](#)

- International MV 607 4X2 S/A
- International MV 607 LP S/A
- International MV 607 T/A
- International HV 509 S/A
- International HV 507
- International HV 509 4x4 S/A
- International HV 515 S/A
- International HV 515 T/A
- International HX 520 T/A
- International HX 620 T/A

## Nuss Truck Equipment – [Price Schedule](#)

- Mack Anthem 64T T/A
- Mack Granite 42FR
- Mack Granite 42FR (T) S/A
- Mack Granite 64BR (T) T/A
- Mack Granite 64FR (T) T/A
- Mack LR42R TA S/A
- Mack LR64R TA T/A
- Mack MD6 42R SA S/A
- Mack MD7 42R SA S/A
- Mack Pinnacle 64T (T) TA T/A
- Mack Terrapro 42R SA S/A
- Mack Terrapro 64R TA T/A
- Volvo VHD 42F200 S/A
- Volvo VHD 64F300 T/A

Contract Release: T-647(5)

## RDO Trucks – [Price Schedule](#)

- Mack GR42 S/A
- Mack GR64 T/A
- Dennis Eagle ProView RHD/LHD

## Truck Center Companies – [Price Schedule](#)

- Western Star 47X S/A & T/A
- Western Star 49X S/A & T/A
- Freightliner M2 106 S/A & T/A
- Freightliner 108 SD S/A & T/A
- Freightliner M2 112 S/A & T/A
- Freightliner 114SD S/A & T/A
- Autocar ACMD 64 S/A & T/A
- Autocar ACX S/A & T/A