

TO: Mayor and City Council

FROM: Dan Howard, Public Works Director

SUBJECT: Snowplow truck purchase

MEETING DATE: Tuesday, May 17, 2022

BACKGROUND

Administrator Jensen has established a Capital Equipment Fund for the Public Works Streets and Parks Department which was approved by the City Council. Part of the Capital Equipment Fund plan for 2022 is the purchase of a new plow truck. This truck will replace the 2000 Sterling Truck. Boyer Ford Trucks Incorporated quoted a 2024 Western Star 47x Chassis for \$112,996.62 plus a \$5,800 surcharge due to supply chain/inflation issues for a total chassis quote of \$118,796.62 based on Mn State bid numbers. Boyer Truck offers a \$10,000 trade allowance for the 2000 Sterling Truck, which would lower the quote to \$108,796.62

Crysteel and TBEI J-Craft provided quotes for the Plow Package to be installed on the chassis.

TBEI quoted \$136,157 for the J-Craft plow package which includes a surcharge. TBEI does not take trade-ins.

Crysteel quoted \$177,015 for the plow package with a \$20,500 trade-in value for the 2000 Sterling Plow Truck. Net cost of \$154,515.

Total cost of the Western Star 47x chassis and TBEI J-Craft plow package is \$254,953.62 and no trade in.

Total cost of the Western Star 47x chassis and Crysteel plow package is \$273,311.62, which includes the \$20,500 2000 Sterling Truck trade.

Estimated delivery of this plow truck is Fall/Winter of 2023 due to supply chain issues.

STAFF RECOMMENDATION

Staff recommends purchase of the Western Star 47x Chassis from Boyer Ford Trucks with no trade in and the TBEI J-Craft plow package, for a total package cost of \$254,953.62. This truck will replace the 2000 Sterling. Options for the sale of the 2000 Sterling can be discussed when the new truck is completed.

REQUESTED COUNCIL ACTION

I respectfully request a motion and approval to purchase the Western Star 47x Chassis with no trade in and the TBEI J-Craft plow package, for a total package cost of \$254,953.62 and authorize the Public Works Director/Administrator to sign any contracts that may be required for that purchase as recommended by the Public Works Commission.





1130 73rd Avenue NE
 Fridley, MN 55432
 (763) 571-1902
 1-800-795-1902
 Fax # (763) 571-5091

Highway 60 East
 Lake Crystal, MN 56055
 (507) 726-6041
 1-800-722-0588
 Fax # (507) 726-2984

www.crysteeltruck.com

AN EQUAL OPPORTUNITY EMPLOYER

Date: 4/28/2022 Reference: REV1 Stainless Steel Elliptical
 Company: City of Cannon Falls Address: 825 Cannon River Road
 Contact: Dan Howard City: Cannon Falls
 Phone#: 507-263-9344 State: MN 55099
 Email: dwhoward@cannonfallsmn.gov

Dealer		Chassis Estimated Delivery	
Truck Make		Front Frame Extension	YES
Model Year		Front Mount Hyd or PTO	PTO
Truck Model		Air Tank Location	
CA or CT	At Least 103" Effective	Air Dryer Location	
Transmission	Allison Automatic	Battery Box Location	
Cab Color		Exhaust clearance	
		Def/Fuel Tank clearance	

REFERENCE: COOPERATIVE PURCHASE OF EQUIPMENT FROM STATE OF MINNESOTA
 CONTRACT NO:
 RELEASE NO: T-863(5)
 CONTRACT PERIOD:
 EXTENSION OPTION: Up to 48 months
 1-UNIT
 STATE COOPERATIVE PRICING

QTY			Price Each	Extended
1	1.0 Body			
1	1.7	10.5' x 96" Crysteel Elliptical SS body Specifications: Crysteel Select Stainless Steel Elliptical Body Single axle Side board style-NO FENDERS 10'6" x 96" 30" Side Single Wall Elliptical, 7ga 201 SS 46" Front, 7ga SS, Pressed in front brace 1/4" AR450 Front 14" wide, 7ga 201 SS rear posts & rubrail Western I-Beam 36" Tailgate, air trip hardware, 7ga 201 SS, 2H Braces, spreader chain, banjo holders 1.5" off set top hinge Standard FMVSS 108 LED lights Crysteel 5 year limited-Years 1,2,& 3 100% Parts and labor-Year 4 & 5 50-50 Parts and Labor	\$20,920.00	\$20,920.00
1	1.3	Air operated tailgate latch Elliptical SS SA	Standard	

1	1.4	Box Vibrator - Cougar DC-3200 12VDC Elliptical SS SA	\$1,021.00	\$1,021.00
1	1.5	Installation of body Elliptical SS SA	\$1,596.00	\$1,596.00
1	1.021	Receiver Tubes Welded To Underside of Body for Walk Rail Insert-SS- Single Axle Ellip.	\$819.00	\$819.00
1	1.023	Stainless Steel Receiver insert Grip Strut Walkrails-Single Axle Ellip.	\$1,366.00	\$1,366.00
1	1.034	SS Elliptical Rigid Ladder Installed **Mounted on Driver Side Rear	\$142.00	\$142.00
1	1.042	Full Rib Tailgate ILO 2H	-\$219.00	-\$219.00
1	1.05	Sander fitting in front face of rear pillar, split manifold mount	\$387.00	\$387.00
2	1.051	Extra Set of Oval Light Cutouts in Rear Pillar	\$0.00	\$0.00
1	1.052	Add LED Oval Backup Light in Rear Pillar	\$242.00	\$242.00
1	1.053	Add LED Oval Strobe Light in Rear Pillar	\$242.00	\$242.00
1	1.054	Body up light installed TBEI	\$189.00	\$189.00
1	1.056	On Spot tire chain assemblies: chain set, switch, solenoid, wire, hose & fittings, mounting bracket system with plates & hardware, system installed (per axle)	\$2,783.00	\$2,783.00
3	1.058	For each extra camera for Buyers system	\$274.00	\$822.00
1	1.066	24" Stainless Steel Free Standing Cabshield adjustable height-Stainless Steel uprights	\$4,737.00	\$4,737.00
1	1.068	35 Gal Reservoir-Stainless Steel-2" suction, in tank return line filter	\$2,299.00	\$2,299.00
1	1.073	(2) shovel holders in stationary cab shield uprights - Vertical	\$250.00	\$250.00
1	1.074	(2) Pair Surface Mount LED Amber Strobes Mounted in stationary cabshield-2 forward facing & 1 on each side	\$639.00	\$639.00
2	1.075	One (1) Pair Surface Mount LED Amber Strobes Mounted in Customer Supplied Location **(1) Pair Mounted in front Grill of truck **(1) Pair Mounted on the side of the rear pillars facing out.	\$345.00	\$690.00
		<i>NOTE: Blue Colored Strobes on Passenger Side Amber Colored Strobes on Driver Side</i>		
1	1.093	(1) set single axle poly fenders w/o lights Minimizer MIN2260B	\$747.00	\$747.00
1	NCI	Furnish Minimizer Floor Mats	\$175.00	\$175.00
1	765	24"x18"x18" Aluminum Buyers Toolbox Mounted to Curb Side	\$675.00	\$675.00
		<u>1.0 Finish Paint</u> No Paint Quoted Stainless Steel Finish		
		<u>1.0 Undercoat</u>		
1	1.24	Undercoat underside 10-10.5' box	\$353.00	\$353.00
		<u>2.0 Hoist</u>		
1	2.1	Installation of Roller Combo SA hoist	\$893.00	\$893.00
1	2.2	RC750 Roller Combo Hoist w/greaseable rear hinge ** Removable Pin Hinge	\$3,960.00	\$3,960.00
1	2.4	Central Grease Bank	\$403.00	\$403.00
		<u>3.0 Scraper</u>		
1	3.1	Installation of 4500-FX - underbody plow only	\$2,962.00	\$2,962.00
1	3.2	Monroe 4510 FX Under Body Scraper 001734271	\$12,572.00	\$12,572.00
1	3.8	FX-1' X 15" MOLDBOARD IN LIEU OF STANDARD 20" ADD	\$429.00	\$429.00
1	3.9	FX-EXT WLDMT,SCPR,1',RH,15"MLDBD	\$1,814.00	\$1,814.00
1	3.11	FX-Add for moving driver side fuel tank out and up for scraper install	\$872.00	\$872.00

11	6.13	MONROE/JOMA CUTTING EDGE ILO OF STANDARD - PER FOOT	\$351.00	\$3,861.00
	<u>4.0 Wing</u>			
1	4.1	Installation of Wing Plow	\$3,170.00	\$3,170.00
1	4.6	MLDBD ASSY,WING,10DFWMB,10GA,DOMEX,STR,BOXED MLDBD -- CE KIT,10',.625x8.0,TPCSK	\$5,513.00	\$5,513.00
	NOTE:	- 29" Straight Moldboard - Painted Black - Heel lift cylinder will NOT go below grade		
1	4.40	Single hyd. ext. push arm nitrogen cushion SA Plow Truck	\$1,788.00	\$1,788.00
1	4.48	MOUNT ASSY,REAR,RH,PUSHARM,ND,2-PC,1-HOLE	\$2,292.00	\$2,292.00
1	4.51	MTG ANGLE,WING,REAR MOUNT,LH,ND	\$58.00	\$58.00
1	4.52	MONROE-WING,PW,316,TPR,PARA-RH FRONT MOUNT KIT-NO TRIP/TE	\$8,503.00	\$8,503.00
1	4.68	GREASE LINE KIT,POST,WING,PARA	\$592.00	\$592.00
1	4.11	(1) 4" LED wing light installed 605-1492110	\$259.00	\$259.00
1	4.24	GUARD KIT,CURB,WRAP AROUND .625X6.00	\$100.00	\$100.00
1	4.29	LIGHT KIT,WING MT,FOR WPLOWIA,WHELEN LIGHT,STROBE	\$156.00	\$156.00
10	6.13	MONROE/JOMA CUTTING EDGE ILO OF STANDARD - PER FOOT	\$351.00	\$3,510.00
1	6.10	MARKER,CABLE,42"L,STRT,YELLOW,W/RED DAY-GLO TIP	\$53.00	\$53.00
	<u>5.0 Front Hitch</u>			
1	5.1	Installation of front hitch	\$2,369.00	\$2,369.00
1	5.2	Added installation cost for power reversing plow	\$482.00	\$482.00
1	5.12	QCP/FFLA Flat fold lift arm hitch with integral QCP receiver 00023329	\$2,980.00	\$2,980.00
1	5.27	4" x 10" DA lift cylinder 05002953	\$667.00	\$667.00
	<u>6.0 Plows</u>			
1	6.106	QCP loop hitch-Weld On - 00023428i	\$496.00	\$496.00
1	6.129	Mirror mount plow light brackets	\$558.00	\$558.00
1	6.128	ABL LED Headlights	\$942.00	\$942.00
1	6.2	Monroe MP45R-12-ISCT Full Trip Deep"C" Reversible 00016586 1755#	\$10,178.00	\$10,178.00
12	6.11	2WDCFT-MONROE/JOMA CUTTING EDGE ILO OF STANDARD - PER FT	\$351.00	\$4,212.00
1	6.13	2WDCFT-CURB GUARD KIT,WRAP AROUND .625X6.0 INSTALLED - EA	\$99.00	\$99.00
1	6.22	2WDCFT-JACK KIT,PARKING,REMOVABLE - SCREW ADJ	\$222.00	\$222.00
1	6.24	2WDCFT-MARKERS,CABLE,42"L,STRT,YELLOW,W/RED DAY-GLO TIP	\$107.00	\$107.00
12	6.25	2WDCFT-12" X 3/8" 2-PLY RUBBER BELT INSTALLED - PER FT OF PLOW	\$30.00	\$360.00
	<u>7.0 Pup Hitch</u>			
1	7.1	Installation of 3/4" Pull Plate	\$1,074.00	\$1,074.00
1	7.2	Hitch plate assy-D-rings, Gussets, Plug, Gladhands	\$615.00	\$615.00
1	7.4	Electronic brake controller	\$751.00	\$751.00
1	765	2-1/2" receiver style hitch (450-1804055) weld-on	\$147.00	\$147.00
1	765	For 30 ton pintle hook (450-PH30)	\$130.00	\$130.00
	NOTE:	- Chassis To have Air and Electric to Rear of Truck - 7-way plug is RV Style		
	<u>8.0 Sander</u>			
1	8.1	Installation of Under Tailgate Sander	\$1,653.00	\$1,653.00
1	8.7	SPREADER,UT,MS969-OW/DD-DD,304	\$6,899.00	\$6,899.00
1	8.11	SPEED SENSOR IN DRIVE MOTOR,100 PPR ADD	\$621.00	\$621.00

1	8.17/18	SHIELD WLDMT,TGT,MS-UT,LH/RH,304	\$743.00	\$743.00
1	8.22	(1) 4" LED sander light installed 605-1492110	\$274.00	\$274.00
<u>9.0 HYDRAULICS</u>				
1	9.006	8 Functions-6100EX Electric Controlled-INSTALLED	\$31,543.00	\$31,543.00
1	9.101	6100 - Scraper Kit -- (Auto Reverse Lift - Accumulator)	\$2,604.00	\$2,604.00
1	9.102	6100 - Wing Kit -- (Lock Valves - Counterbalance Valve)	\$422.00	\$422.00
1	9.104	6100 - Add for Seat Mount Option	\$489.00	\$489.00
1	9.106	6100 - Add to Upgrade to a 4 Stick Ultra Control	\$587.00	\$587.00
1	9.303	6100 - PTO Hyd ILO Front Pump-280 Hot Shift PTO&TXV92 5.6 CID Pump	\$2,094.00	\$2,094.00
1	NCI	12V Pump Shutdown with Over Ride Switch	\$994.00	\$994.00
1	9.421	6100 - Add for 2 Ported 1/2" Stucchi Multi Coupler Plate (42Z04080801C)	\$1,073.00	\$1,073.00
1	9.422	6100 - Add for 2 Ported Parking Station (815606271)	\$320.00	\$320.00
1	9.110.	6100 - Add for read Scraper Pressure LCD	\$423.00	\$423.00
3	9.408	6100 - Add for Adapter harness for Camera	\$71.00	\$213.00
1	9.411	6100 - Add for ARC Wireless Sensor kit	\$674.00	\$674.00
1	9.8	FRES - 9689A009-SS Rev. A, 9 section vertically mounted stainless steel valve enclosure ILO Horizontal Frame Mounted Enclosure	\$3,014.00	\$3,014.00
1	9.16	FRES - S2-TSM15-L217-AC-DN-SS Temp/Level Sensor 158 Degree F 30 Gal. Slim w/ Slosh Shield	\$181.00	\$181.00
1	NCI	SF10-150-25-10MLR-PI-Z , 1-1/2" NPT spin-on filter Assembly, 10 micron w/ 12 volt indicator	\$190.00	\$190.00
<u>10.0 Air Bag</u>				
1	10.6	Installation of Timbren, passenger side rear suspension, SA & TA	\$606.00	\$606.00
1	10.7	Timbren Suspension saver right front side ONLY, SA chassis	\$374.00	\$374.00
<u>11.0 Anti-Icing</u>				
NO Anti-Ice Equipment Quoted				

Total Package Price

\$177,015.00

Less Trade Value For 2000 Sterling Plow Truck

-\$22,500.00

Total Package Price After Trade

\$154,515.00

PRICES SHOWN DO NOT INCLUDE ANY APPLICABLE TAXES OR FEES

Cost Per Loaded Mile for Delivery:

\$4.00

Starting Point:

Lake Crystal, MN

*A WRITTEN PURCHASE ORDER MUST BE RETURNED SPECIFYING PURCHASE OF THIS EQUIPMENT OFF THE STATE OF MINNESOTA COOPERATIVE PURCHASE CONTRACT

*NO EXHAUST WORK INCLUDED FOR TRUCKS WITH NEW EMISSION CONTROL EXHAUST SYSTEMS. EXHAUST SYSTEMS CANNOT BE MODIFIED.

*ALL LABOR COSTS ARE BASED ON INSTALLING EQUIPMENT ON A TRUCK CHASSIS WITH ALL TRUCK ITEMS OUT OF THE WAY FOR EQUIPMENT INSTALLATION. IF CRYSTEEL HAS TO MOVE FUEL TANKS, AIR TANKS, AIR DRYER, ETC. EXTRA CHARGES MAY APPLY

Vendor Name:	Crysteel Truck Equipment-Lake Crystal
Contact Person:	Josh Miller
Street Address:	52248 Ember Rd
City, State, Zip:	Lake Crystal, MN 56055
Phone #:	(507) 726-6041
Toll Free #:	(800) 722-0588
Fax #:	(507) 726-2984
Email Address:	jmiller@crysteeltruck.com

OPTIONS -- The below options are NOT included in the above package pricing

<u>1.0 Body OPTIONS</u>				
1	1.089	Mountain window shade asphalt tarp system 10-16' box P/N PT300	\$1,560.00	\$1,560.00



Ox Bodies | Crysteel | DuraClass | Rugby | J-Craft | Travis
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Quote Response Form

52182 Ember Road
Lake Crystal MN 56055
507-726-2728

End User:
Customer: 101208
DAN HOWARD
CANNON FALLS, CITY OF
918 RIVER ROAD
CANNON FALLS MN 55009-1447
USA

Taken By: Brandon Oachs

Phone: 507-263-9344
Fax: 507-263-5843

Estimate	Terms	Quote Date	Expiration Date	Salesperson	Customer Currency
LC00125422	Net 30 Days.	1/5/2022	5/9/2022	CASSEM, MARTY	USD

UM	Quantity	Item	Description	Unit Price	Extended Price
EA	1.00	2429304	MAB ULTRA-SSR-1006-LR27-CANNON FALLS-INS	22,829.00	22,829.00

REF: 2337072 - SAME BODY - LESS TARP MOUNTS, NEEDS LEFT FRONT CAMERA MOUNT UNDER BOX TOP RAIL AND HOLE IN FRONT

1.0 Box Make and Model J-CRAFT - ULTRA-SSR Stainless Steel

List Truck Type Box Fits Single Axle

Box Style Elliptical, Crossmemberless

Width & Length of Box 96" wide O.D.

Side Panel Description 7 GA 201 Stainless steel construction, 18" lower radius, fully boxed top rails, without board pockets, with inverted box top rails dirt shedding.

Front Panel Description 7 GA 201 STAINLESS STEEL construction, reinforced top lip, with reinforcing at 1/3 points.

Floor Description 1/4" thick Hardox Material, approx 95" wide.

Corner Post Description 7 ga 201 STAINLESS steel, full depth, located at rear of body. 1/4" SS Rear Apron and latching hardware

Under Structure Description Structural I-BEAM longsills (no crossmembers)

Tailgate Description 3/16" AR Inner panel 7 ga 201 Outer STAINLESS steel construction. 1-1/4" dia top & bottom pins, Airtrip linkage standard.

Hinge Description Upper gate hinges constructed of 1" thick steel, supported by dual 1/2" ears.

Description of Peripheral Items (Lights, Access Steps, etc.) FMVSS-108 approved (rubber grommet mounted) L.E.D. clearance lights, wiring harness, and L.E.D. cluster of 3 included. Airtrip tailgate linkage, Rear mudflaps included.

Is Installation included in price? Yes or No

Is Box Painted? Yes or No

Warranty Information 24 Months from "in service" date

Includes:

- Left Corner Piller Camera Mount with Wire Hole in Pillar
- Left Front Corner Camera Mount Under Box Top Rail with Wire hole in Front Panel
- 1.009 - 10'6"106ULTRASSR-LR27-46-36-36
- 1.1 - Air operated tailgate latch
- 1.2 - Box Vibrator - Cougar DC 3200
- 1.7 - Installation of Body
- 1.8 - Installation of Air Trip
- 1.9 - Installation of Vibrator
- 1.11 - J-Craft Z-Coat/Rock Guard Understructure Single Axle Body
- 1.014 - Interior Step, Installed (1 ea) (Stainless) - Left Front



Quote Response Form

- 1.016 - Grab Handle, installed (1 ea) (Stainless) - Left Front Gusset
- 1.104 - Fold-A-Way Access ladder (STAINLESS STEEL) (1 ea) - Left Front
- 1.054 - Dual "split" sander manifolds in rear corner posts (x2)
- Two Left Side for Spinner / Two Right Side for Auger
- Four in Right Side Filler Plate for Rear Wing Lift and Pushbeam
- Speed Sensor Hole in Right Side
- 1.078 - Cabshield, 1/2 type Stationary Free-Standing style, w/plain stainless steel canopy, shovel holders, & mounts for cabshield mounted reservoir, Installed.
- 1.280 - Frame Paint Black after Equipments Installed
- Hoist
- 2.0 Box Hoist Make and Model RUGBY LR-27

Class & type NTEA class 50, Type I underbody

Rated capacity 14.1 ton - 10' body 12.7 ton - 11' body

Maximum PSI operating pressure 2450 PSI

Cylinder bore & stroke 7" dia x 20" Stroke

Piston rod diameter & description 2" dia Hard Chrome Plated

Sub-frame construction Hinge point constructed of 5" angle, with 1" pin supports, 3-1/2" solid block hinges, & 2" dia pins (greasable), and 2 safety props included.

Is installation included in price? Yes or No

Warranty Info 24 Months from "in service" date

Includes:

- 2.1 - Rugby LR27 Hoist
- 2.2 - Installation Price Include all Parts & Labor

EA	1.00 2303635	BODY UP SWITCH(SWITCH ONLY)-INS	245.00	245.00
-		2.3 - Body "UP" Switch		
EA	1.00 1817152	WHELEN-DOT3410D SYSTEM W/TIR3 -INST	4,426.00	4,426.00
-		1.114 - WHELEN PACKAGE /J-CRAFT (DOT3410D) warning light system 410, consisting of:(2) STAINLESS STEEL Micro 400 3 Lamp with 60' TPR Cable, 400 Series Rear Lighthoods with Stainless Steel boxes with side TIR3 (ADD4TIR3). Rear lights include (2) Linear 400 Amber, (2) LED Back Up, and (2) LED BTT. Includes DOT-LED Flasher/Junction box and install kit. - Installed		
EA	1.00 1818419	WHELEN WING STROBE TIR3(WPLOWZ1A) INST	302.00	302.00
-		1.107 - Whelen Amber Wing Strobe Super LED TIR3 w/20' HD TPR (WPLOWZ1A) Installed Note: Mounted at end of Wing Facing the Back of Truck		
EA	2.00 1852519	WHELEN-LED SPOT LIGHT(P36SLCHG)-INS	250.00	500.00
-		1.174 - Accessory LED work light with disconnect (WHELEN SPOT/FLOOD P36SLCHG) One Mounted at the back of the truck for the Sander Spinner & One off the Side of the Cabshield on Aluminum Bracket for the Wing		
EA	1.00 1930124	PLOW LIGHT-JW SPEAKER HEATED-AL-INST	1,323.00	1,323.00



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-			1.161 - Mirror mounted JW Speaker (Heated) Plow light package (Alum brackets) with 4th Leg Installed to Secure Mirror better. Note: Chassis must come with Hood Mirrors for this to work		
EA	1.00	1808860	FENDERS, MIN2260 SGL AXLE INSTALLED	925.00	925.00
-			1.199 - Fenders, Minimizer, model MIN2260B SGL AXLE black (1pc) Poly fender set, Installed		
EA	3.00	1922962	ADDITIONAL CAMERA, NV-PC-1110-VLI-INST	311.00	933.00
-			1.276 - PC-1110-VLI Series™ Night Vision Camera KIT ... (Includes: Camera and 10m AV Cable) Installed. Wing Camera Mounted off Passenger Side by Wing Work Light Mount Backup Camera Mounted off Drivers Side Rear Pillar w/hole for Wiring Load Check Camera Mounted Left Front Corner under Box Top Rail Cameras Wired into GEN5 6100 Screen		
EA	1.00	2205852	HENKE UBS-10'-FIXED-SGL LIFT-12" EXT-INS	11,305.00	11,305.00
-			3.0 Underbody Plow, Make and Model Henke UBS-FXD (Fixed Underbody) Moldboard description 1" thick x 20" SEF carbon steel x 11', AASHO punched Moldboard cutting edge description UBS11 Carbide Cutting Edge .875X5 DB Moldboard Hydraulic cylinder description One (1) 3" bore D.A. actuating cylinders with 2" nitrated rod. No Reversing Cylinders. Moldboard maximum PSI operating pressure Downpressure relief set at 500 PSI (for actuating cylinders), Downpressure Relief Valve Included. Mounting Hardware 1 3/4" solid cold rolled hinge shaft, three (3) or four (4) 1" hinge-anchor points, and three (3) 2 1/4" adjustable mounting legs. Paint UBS painted Satin Black Warranty Information 12 Months from "in service" date Includes: 3.007 - Scraper-10'-1" MB w/Single Lift Cylinder w/12" Bolt on Extension (11' Total) LESS CUTTING EDGES 3.101 - Installation of underbody plow w/single lift cylinder 3.6 - UBS11 Carbide Cutting Edge .875X5 DB		
EA	1.00	2205853	HENKE-PPW-10'-RM/RL-15" HYDPB-31"-INS	17,290.00	17,290.00



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UM	Quantity	Item	Description	Unit Price	Extended Price
			4.0 Wing Plow - Make and Model Henke Postless Plow Wing Rear Lift Where mounted on truck Rear Mount of Chassis Post Structure 23" by 15" HD Parallel Arm Structure with 3" x 10" x 2" Double Acting Lift Cylinder. With Rear Lift for Heel Stow Cylinder. Moldboard description Smooth Rolled 3/16" hi-tensile 50,000psi Steel Plate, Leading end height 31" and discharge end height 31", non-tripping edge. Anti- Chatter Feature. Moldboard cutting edge description See options below for cutting edge Lift height Rear Mount Lift 12.65" of Float & Push Beam Type Single hydraulic push beam with built in accumulator Rear Attached Structure J-Craft Rear Attach (Rear Mount Only) Hydraulic cylinder description 4" x 15" x 2" Double Acting Wing Stow Cylinder with built in Counter Balance Valve. 3" x 10" x 2" Post Cylinder. Paint Postless Wing painted to your color specification (COLOR TBD on Rear Face Only SS to remain unpainted) Warranty Information 12 Months from "in service" date Includes: 4.003 - Wing 10', Spring Cushion Pushbeam, LESS CUTTING EDGES 4.2 - Installation of Wing Plow - w/Dripless Couplers 4.7 - Leading end height 31" and discharge end height 31" moldboard IN LIEU of the Leading end height 29" and discharge end height 36" Moldboard Quoted. (Non-trip & Full-trip Only) 4.14 - 6 line Dripless bulkhead couplers 4.21 - Single Hydraulic push-beam 4 x 15 with built in accumulator IN LIEU of Spring Cushioned push-beam (Used on Single Axle Rear Wing) 4.25 - 304 Stainless Steel Wing Moldboard in lieu of Steel 4.53 - Carbide Cutting Edge .75X8X132 -		
EA	1.00	2036781	HENKE-FLAT HITCH-QCP-4x10DA LIFT-INST	5,645.00	5,645.00



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Quote Response Form

52182 Ember Road
 Lake Crystal MN 56055
 507-726-2728

End User:
Customer: 101208
 DAN HOWARD
 CANNON FALLS, CITY OF
 918 RIVER ROAD
 CANNON FALLS MN 55009-1447
 USA

Taken By: Brandon Oachs

Phone: 507-263-9344
Fax: 507-263-5843

Estimate	Terms	Quote Date	Expiration Date	Salesperson	Customer Currency
LC00125422	Net 30 Days.	1/5/2022	5/9/2022	CASSEM, MARTY	USD

UM	Quantity	Item	Description	Unit Price	Extended Price
			12.0 - Front Hitch - Make and Model Henke Drop Pin (QCP) with Flat Plate Adapter (Plow Side Only) - Pick Truck Attach PLP Adapter in Options Below Lift cylinder description See Options Below Truck frame mounting requirements 18"-24" front frame extensions. Warranty Info 12 months from "In-Service" date Includes: 5.1 - Installation of Front Hitch 5.5 - 4 line dripless bulkhead couplers - NOTE: HOSES HOOKED TO MULTI-FASTNER 5.13 - Truck Attach kit, J-Craft Flat Plate Style (PLP) (FLAT PLATE HITCH SYSTEM) 5.17 - 4" X 10" Double Acting Cylinder 5.23 - Huck Bolt Mounting Plates in lieu of Bolts to frame -		
EA	1.00	2036783	HENKE-42R12-SS FACE-RW-ECT-INST	10,009.00	10,009.00



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UM	Quantity	Item	Description	Unit Price	Extended Price
	6.00	Two-Way Reversible Snow Plow - Make and Model Henke 2 -Way Reversible Plows			
			Moldboard height 42"		
			Moldboard smoothed rolled design at what radius. 21" Radius		
			Discharge height 42"		
			Plow Throat depth from vertical to deepest point in. 26"		
			Moldboard thickness & type of steel 10 gauge Rolled Plate Moldboard with Integral Shield & 100% fully welded		
			Type, size and number of vertical reinforcement ribs. Plate, 1/2" x 4" Tapered, Qty. 6		
			Adjustable cutting edge angles to pavement measured from roadway 3 positions from 10 to 25 degrees surface through perpendicular back toward truck.		
			State number of hook up points from moldboard to frame. 5 points with 1" bearing surface in bushings		
			Type and size of reinforcement of frog at either end. 3/4" x 4" x 4" with 1/2" gussets between bolt holes		
			Type and size of circle frame 3 1/2" x 3 1/2" x 1/2" rolled angle w/ span 77.3" Inverted Circle Standard		
			Size of double acting reversing cylinders. Hydraulic power reverse with (2) 3" x 10" x 2" D.A. cylinders & cushion valve		
			Size and type of reinforced snow flap 2 ply 12" rubber flap		
			Type and size of push frame 4" x 4" x 3/8" square steel tube		
			Cutting Edge (AASHO punched) size. See Below for Cutting Edges		
			Distance beyond vertical that snow deflectors integral with 26.5" at 10 degree layback moldboard extends.		
			Size of adjustable snow shoes See Below for Shoe Options		
			Weight of plow (less hitch and hydraulics) 1,771 lbs average weight between 10' - 12' plows		
			Type and number of resettable HD compression spring trip mechanisms. ECT - External compression trip		
			Painting system with type of paint Commercial Blast, Industrial primer, Plow painted to your color specification (COLOR TBD on Rear Face Only SS to remain unpainted)		
			Warranty Info 12 months from "In-Service" date		
			Includes:		
			6.009 - ROAD WARRIOR PLOW - 42R12IS-ECT- LESS CUTTING EDGES		
			6.7 - Plow Portion QCP		
			6.22 - Carbide Cutting Edge .75X8X144		
			6.41 - Rod Markers (Pair)		
			6.42 - Jack Stand		
			6.45 - Rubber Shield 12		
			6.62 - 304 Stainless Steel Moldboard for 12'		
			6.65 - Sliding Level Lift (Excluding Husting Hitches)		
			-		



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Page 7 of 10
04/08/2022 02:39 PM

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CANNON FALLS, CITY OF
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CANNON FALLS MN 55009-1447
USA

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Phone: 507-263-9344
Fax: 507-263-5843

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LC00125422	Net 30 Days.	1/5/2022	5/9/2022	CASSEM, MARTY	USD

UM	Quantity	Item	Description	Unit Price	Extended Price
EA	1.00	2429483	MAB HITCH-5/8"-3" REC-7RV-CANNON FALLS-I	915.00	915.00

7.0 Pup Hitch - Make & Model 5/8" thick pull plate & bracing to truck frame.
Safety Chain D-Rings installed. Provision for electrical socket included.

Vertical Tongue Weight 8,000 lbs max

Horizontal Tongue Weight 40,000 lbs max Gross Trailer Weight

Latching Tensile Strength Data not available

Rated Capacity 40,000 lbs max Gross Trailer Weight

Is Installation included? Yes or No

Is the Price of the Hitch for a Truck with Air and Electric Provided to Rear of Frame? Yes or No

Note: Truck Must come w/Tractor Pkg

Warranty Information 24 Months from "in service" date

Includes:

7.2 - Installation of Pup Hitch

7.7 - 7 contact RV socket installed (Hooked to Brake Controller)

7.13 - 3" Square Hitch Receiver in Plate. NOTE: DERATES hitch to 5 ton (10,000 lbs max) GTW, Installed

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EA	1.00	1649853	ELECTRONIC BRAKE CONT. VOYAGER PKG INS.	325.00	325.00
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7.14 - Electronic VOYAGER Brake controller w/wiring to rear socket, installed in cab of truck, Installed

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EA	1.00	2208062	J-CRAFT 9x4TG-SS-NEW STYLE-DRIPLESS-INS	6,367.00	6,367.00
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8.0 Sander - Make and Model J-Craft 9TGS SS Tailgate Sander

Type of sander Stainless Steel Under tailgate type, 9" dia (carbon steel) 4" pitch single auger, direct hydraulic drive, Oversized auger motor for low speed operation & continuous flow, LH Discharge w/POLY self-leveling spinner assembly, Dual over-center locks on hopper cleanout door, mtg brackets and mtg tabs welded to hopper, In Stainless Mill Finish.

Warranty Info 24 months from "In-Service" date

Includes:

8.1 - Installation of Sander

8.3 - Sander with dripless couplers installed

8.10 - Exterior spill plates made from stainless steel (Removable/Standard)

-

EA	1.00	1873178	MULTI-FASTER HOSE CPLR SYSTEM 2 PTS INST	780.00	780.00
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UM	Quantity	Item	Description	Unit Price	Extended Price
-			9.79 - 2-port 1/2" multi-faster hose coupler system, Installed One for The Flat Plate Hitch to be Removed and One for the Plow Angle		
EA	1.00	2429484	MAB HYDRAULICS-CAN.FALLS-9SEC-6100-GEN5	34,489.00	34,489.00



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UM	Quantity	Item	Description	Unit Price	Extended Price
		9.0	Hydraulics - Make and Model Force America pump, Force/Parker MCV-ISO Add-A-Fold Valve Series		
			Cab Controls Description Force America electronic control assembly, (Seat Mount)		
			Sander Control Description Force America model 6100 manually or programable adjustable Electronic control, w/stand-by, blast, ground-speed interrupt, & liquid hookup.		
			Pump Drive Description Automatic Transmission Mounted PTO		
			Pump Type Variable displacement, axial piston type, load-sensing,		
			Valve Description Closed center load-sensing type, w/mid-inlet, manifold design		
			Number and type functions 9 functions: D/A Underbody Hoist, D/A Plow Lift, D/A Plow Angle, D/A Underbody, D/A Wing Toe, D/A Wing Heel, D/A Wing Pushbeam, Sander Spinner, Sander Auger.		
			Type of Valve Actuation Elect solenoid, w/manual over-ride		
			Reservoir Size Selectable, w/filler-breather, sight glass, suction screen, and magnetic plug		
			Fluid Type ATF (equivalent to Dexron III)		
			Filter Style Remote mount, or intank w/12 volt DC condition indicator, & return line check valve.		
			Valve Enclosure Stainless Steel construction, frame mount design, w/removable cover. Valve Enclosure Mounted on Stainless Steel Mounting Brackets.		
			Hose Recommendation 2" dia suction, 1-1/4" dia return, 1" dia pressure, w/balance to match equipment port sizing. R2 for pressure lines, R1 for return lines, R4 for suction line. Return line manifold included.		
			Warranty Information 24 Months from "in service" date		
			includes:		
			9.1 - Installation (Hose, plumbing, hardware, labor, etc.) of hydraulics.		
			9.7 - MCV-ISO VALVE 9 FUNCTIONS INSTALLED		
			9.22 - MODULAR ULTRA-4-6100 Patrol Commander control, Installed		
			9.26 - FORCE BRACKET, ARM, DISPLAY MOUNT, PIPING-SCREEN MOUNT		
			9.27 - SEAT MOUNTED CONTROL BRACKET, INSTALLED (ADDER)		
			9.32 - IN-TANK mounted filter w/12 volt indicator, installed		
			9.42 - J-Craft Stationary Cabshield mounted reservoir 30 gal (stainless steel) w/intank filter provision, installed		
			9.58 - Force TXV92 (5.6 CID) pump, w/ 280 hotshift P.T.O. for Allison Trans application, installed		
			9.73 - Temp/Low oil indicator system, SLIM-LINE AND CABSHIELD MOUNTED w/light mounted in cab installed		
			9.85 - (ADDER) Internal Counter Balance Valve (Intergrated into Valve for Wing Toe)		
			9.88 - (ADDER) Plow float control Double Acting Cylinder		
			9.93 - Adder for Auto Reverse Scraper Lift		
			9.94 - Adder for Pressure Transmitter to Read Scraper Pressure on LCD		
			9.030 - (ADDER) for Camera Harnesses (qty 3 - Wing, Backup & Load Check)		
			9.035 - U-2 nitrogen accumulator, Installed with Underbody		
			-		
			Note: No Fuse Panel all Switches in Control and Dash of Truck Gen5 6100		
			-		



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UM	Quantity	Item	Description	Unit Price	Extended Price
EA	1.00	1350422	INSTALL, ON SPOT TIRE CHAIN KIT(GENERIC)	2,549.00	2,549.00

-
1.045 - On Spot Tire Chains System Installed (Per axle)
-

EA	1.00	2401523	MNDOT STATE CONTRACT PURCHASE (193058)	0.00	0.00
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-
After reviewing your equip. needs, and per the State of MN contract number (193058) release number S-863(5) and J-Craft contract number 193058, valid thru April 31, 2022 we offer this for your consideration.

Note:

1. This quote is a summary of the State of MN price pages, and detailed spec sheets.
2. Warranty is 24 months from In-Service date.

ISO 9001:2008 CERTIFIED

J-Craft is certified as a NTEA MVP member.

EA	1.00	9900060	SURCHARGE	15,000.00	15,000.00
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*****NOT A STATE CONTRACT LINE ITEM*****

SURCHARGE FOR STEEL COST BEING FAR GREATER THAN NORMAL TO COVER BUILD COSTS.

-
Municipal Terms of Sale:

-
If you accept this proposal please sign and date below with PO# if you use one:

PO# _____

Accepted By (Print): _____

Accepted By (Signature): _____

Date: _____

Note: If Changes need to be made after PO is submitted we will need a revised PO reflecting the changes.

Visit us online at www.j-craftinc.com/

Sale Amount: 136,157.00
Freight: 0.00
Sales Tax: 0.00
FET Charges: 0.00
Total Amount: 136,157.00

Prepared for:
Dan Howard
City of Cannon Falls
918 River Road
Cannon Falls, MN 55009



Prepared by:
Joshua Beck
BOYER FORD TRUCKS, INC.
2500 BROADWAY DRIVE
LAUDERDALE, MN 55113
Phone:

A proposal for
City of Cannon Falls

Prepared by
BOYER FORD TRUCKS, INC.
Joshua Beck

Apr 21, 2022

Western Star 47X



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



Prepared for:
 Dan Howard
 City of Cannon Falls
 918 River Road
 Cannon Falls, MN 55009



Prepared by:
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 BOYER FORD TRUCKS, INC.
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 Phone:

Q U O T A T I O N

WESTERN STAR 47X

SET FORWARD AXLE - TRUCK
 CUM L9 370 HP @ 2100 RPM; 2100 GOV RPM, 1250 LB-
 FT @ 1200 RPM
 ALLISON 3000 RDS AUTOMATIC TRANSMISSION WITH
 PTO PROVISION
 RS-23-160 23,000# R-SERIES SINGLE REAR AXLE
 23,000# FLAT LEAF SPRING REAR SUSPENSION WITH
 HELPER AND RADIUS ROD
 DETROIT DA-F-18.0-5 18,000# FL1 71.0 KPI/3.74 DROP
 SINGLE FRONT AXLE

18,000# FLAT LEAF FRONT SUSPENSION
 111 INCH BBC CONVENTIONAL ALUMINUM CAB
 4740MM (187 INCH) WHEELBASE, SFA ONLY
 13.0MM X 87.0MM X 311.0MM STEEL FRAME
 (0.51X3.43X12.24 INCH) 120 KSI
 1350MM (53 INCH) REAR FRAME OVERHANG
 TEM TO EVALUATE AND INSTALL FRAME RAIL
 REINFORCEMENT AS NEEDED FOR FRONT
 FRAME MOUNTED EQUIPMENT

		PER UNIT		TOTAL
VEHICLE PRICE	TOTAL # OF UNITS (1)	\$ 112,346	\$	112,346
EXTENDED WARRANTY		\$ 0	\$	0
DEALER INSTALLED OPTIONS		\$ 650	\$	650
CUSTOMER PRICE BEFORE TAX		\$ 112,996	\$	112,996

TAXES AND FEES

TAXES AND FEES		\$ 0	\$	0
OTHER CHARGES		\$ 0	\$	0

TRADE-IN

TRADE-IN ALLOWANCE		\$ (10,000)	\$	(10,000)
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BALANCE DUE		(LOCAL CURRENCY) \$ 102,996	\$	102,996
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COMMENTS:

Projected delivery on ___ / ___ / ___ provided the order is received before ___ / ___ / ___.

APPROVAL:

Please indicate your acceptance of this quotation by signing below:

Customer: X _____ Date: ___ / ___ / ___.

Daimler Truck Financial

Financing that works for you.

See your local dealer for a competitive quote from Daimler Truck Financial, or contact us at Information@dtfoffers.com.

Daimler Truck Financial offers a variety of finance, lease and insurance solutions to fit your business needs. For more information about our products and services, visit our website at www.daimler-truckfinancial.com.

