



## STAFF REPORT

DATE:  
**REGULAR**

**TO:** City Council

**FROM:** Jamie Colemer, Public Works Lead

**AGENDA ITEM:** Tandem Axle Dump Truck/Snow Plow Purchase

**REVIEWED BY:** Kristina Handt, City Administrator

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### **BACKGROUND:**

The City of Lake Elmo Public Works Department utilizes a fleet of 9 vehicles to remove snow and salt over 150 lane miles of city streets, 87 cul-de-sacs and 10 parking lots on snow events. The fleet consists of pick-ups, loaders and single axle dump trucks. Of these vehicles, a model year 2000 dump truck is in service and in need of replacement due to age and maintenance issues as a result of serious accident involving the truck in 2002.

### **ISSUE BEFORE COUNCIL:**

Should the City Council approve the purchase of a tandem axle dump truck/snow plow as outlined in the Capital Improvement Plan?

### **PROPOSAL DETAILS/ANALYSIS:**

Proceeding with this purchase will benefit the city and its citizens by replacing an aged truck that has mechanical and safety issues. Past purchases of dump/plow trucks have been single axle chassis equipped with snow and ice removal equipment, but the requested purchase is for a tandem axle chassis truck with a greater material hauling capacity. Staff feels that a tandem axle chassis will benefit the department in a number of ways. It will increase the length of time the truck can stay on the road during snow and ice events do to larger amount of road salt it can carry. Also, because of its larger hauling capacity this unit will be used to haul materials such as gravel, dirt and street sweepings into and out of public works decreasing the trips that the current single axle trucks make to accomplish the same tasks.

Snow and ice removal equipment on this truck will be similar to what the department has installed on previous truck builds in an effort to standardize all new equipment.

The MAC reviewed this at their February 27<sup>th</sup> meeting and recommended replacing aluminum wheels with steel and removing tire chains from Towmaster, adding a trans hold and intank fuel heater. These changes should bring the cost of the vehicle down to an amount not to exceed \$265,000. Staff received revised quotes from Towmaster and Nuss after the meeting and those are attached.

### **FISCAL IMPACT:**

Purchase of this vehicle shall not exceed \$265,000 and will be funded through Municipal Bonds. It should be noted that the initial CIP amount was listed as \$265,000.

To assist in offsetting the cost of this truck the City has submitted a grant to the South Washington Watershed District to cover a portion of the cost of calibrated salt and salt brine application equipment. If the grant should be awarded to the city the possibility exists to decrease the overall cost of the truck up by \$5,300.

**OPTIONS:**

1. Approve purchase of dump truck/snow plow as recommended by MAC
2. Deny purchase of dump truck/snow plow
3. Amend and approve purchase of dump truck/snow plow

**RECOMMENDATION:**

***“Motion to approve the purchase of a tandem axle dump truck from Nuss Equipment and snow removal equipment from Towmaster Equipment for an amount not to exceed \$265,000”***

**ATTACHMENTS:**

- Mack Chassis Spec. (revised quote)
- Towmaster Equipment Spec. (revised quote)
- Accident summary from March 15, 2002

Print Date &amp; Time 2/28/2019 9:04

## Tandem Axle Cab &amp; Chassis

VENDOR NAME NUSS TRUCK &amp; EQUIPMENT

YEAR, MAKE AND MODEL 2019 MACK AF GRANITE 64BR (T) TA

This section for use when ordering	
WB	190"
CA	125"
AF	63"
Rear Ratio	4.19
Cab Color	GREEN
Color	ALUM
Note	CITY OF LAKE ELMO
UPDATED 2-28-2019	
Grand Total \$ 127,618.00	

Spec #	Description	Qty	Price	Subtotal
1.0	Price for Base Unit:	1	\$ 87,174.00	\$ 87,174.00
2.0	<b>FRAME OPTIONS</b>			
2.1	Front frame extension	1	\$ 886.00	\$ 886.00
2.2	Custom hole punching in frame		\$ 100.00	\$ -
2.3	Deduct for no front bumper			\$ -
2.4	Frame fastener option (bolt or huck spun)	1	STD	
2.5	Frame, R.B.M., S.M., PSI, CT			
2.6	2,120,000 17.7 120,000 87 - 112 CA		\$ (64.00)	\$ -
2.7	2,120,000 17.7 120,000 113 - 133 CA		STD	
2.8	2,120,000 17.7 120,000 134 - 152 CA		\$ 107.00	\$ -
2.9	2,120,000 17.7 120,000 153 - 199 CA		\$ 406.00	\$ -
2.10	2,120,000 17.7 120,000 200 - 236 CA		\$ 482.00	\$ -
2.11	2,470,000 20.6 120,000 87 - 112 CA		\$ 176.00	\$ -
2.12	2,470,000 20.6 120,000 113 - 133 CA		\$ 240.00	\$ -
2.13	2,470,000 20.6 120,000 134 - 152 CA		\$ 347.00	\$ -
2.14	2,470,000 20.6 120,000 153 - 199 CA		\$ 646.00	\$ -
2.15	2,470,000 20.6 120,000 200 - 236 CA		\$ 722.00	\$ -
2.16	2,820,000 23.5 120,000 87 - 112 CA		\$ 521.00	\$ -
2.17	2,820,000 23.5 120,000 113 - 133 CA	1	\$ 585.00	\$ 585.00
2.18	2,820,000 23.5 120,000 134 - 152 CA		\$ 692.00	\$ -
2.19	2,820,000 23.5 120,000 153 - 199 CA		\$ 991.00	\$ -
2.20	2,820,000 23.5 120,000 200 - 236 CA		\$ 1,067.00	\$ -
2.21	3,160,000 26.3 120,000 87 - 112 CA		\$ 744.00	\$ -
2.22	3,160,000 26.3 120,000 113 - 133 CA		\$ 808.00	\$ -
2.23	3,160,000 26.3 120,000 134 - 152 CA		\$ 915.00	\$ -
2.24	3,160,000 26.3 120,000 153 - 199 CA		\$ 1,214.00	\$ -
2.25	3,160,000 26.3 120,000 200 - 236 CA		\$ 1,290.00	\$ -
2.26	<b>DOUBLE FRAME - PARTIAL IC REINFORCEMENT</b>			
2.27	3,230,000 26.9 120,000 87 - 112 CA		\$ 801.00	\$ -
2.28	3,230,000 26.9 120,000 113 - 133 CA		\$ 865.00	\$ -
2.29	3,230,000 26.9 120,000 134 - 152 CA		\$ 972.00	\$ -
2.30	3,230,000 26.9 120,000 153 - 199 CA		\$ 1,214.00	\$ -
2.31	3,230,000 26.9 120,000 200 - 236 CA		\$ 1,290.00	\$ -
2.32	3,580,000 29.8 120,000 87 - 112 CA		\$ 1,041.00	\$ -
2.33	3,580,000 29.8 120,000 113 - 133 CA		\$ 1,105.00	\$ -
2.34	3,580,000 29.8 120,000 134 - 152 CA		\$ 1,212.00	\$ -
2.35	3,580,000 29.8 120,000 153 - 199 CA		\$ 1,511.00	\$ -
2.36	3,580,000 29.8 120,000 200 - 236 CA		\$ 1,587.00	\$ -

AMENDMENT #1 FOR 2019 MODELS TA



## VENDOR INSTRUCTIONS

Spec #	Description	Qty	Price	Subtotal
2.37	3,920,000 32.7 120,000 87 - 112 CA		\$ 1,376.00	\$ -
2.38	3,920,000 32.7 120,000 113 - 133 CA		\$ 1,450.00	\$ -
2.39	3,920,000 32.7 120,000 134 - 152 CA		\$ 1,657.00	\$ -
2.40	3,920,000 32.7 120,000 153 - 199 CA		\$ 1,856.00	\$ -
2.41	3,920,000 32.7 120,000 200 - 236 CA		\$ 1,932.00	\$ -
2.42	4,260,000 35.5 120,000 87 - 112 CA		\$ 1,832.00	\$ -
2.43	4,260,000 35.5 120,000 113 - 133 CA		\$ 1,673.00	\$ -
2.44	4,260,000 35.5 120,000 134 - 152 CA		\$ 2,003.00	\$ -
2.45	4,260,000 35.5 120,000 154 - 199 CA		\$ 2,301.00	\$ -
2.46	4,260,000 35.5 120,000 200 - 236 CA		\$ 2,384.00	\$ -
2.47	<b>DOUBLE FRAME - FULL IC REINFORCEMENT</b>			
2.48	3,230,000 26.9 120,000 87 - 112 CA		\$ 1,001.00	\$ -
2.49	3,230,000 26.9 120,000 113 - 133 CA		\$ 1,065.00	\$ -
2.50	3,230,000 26.9 120,000 134 - 152 CA		\$ 1,172.00	\$ -
2.51	3,230,000 26.9 120,000 153 - 199 CA		\$ 1,414.00	\$ -
2.52	3,230,000 26.9 120,000 200 - 236 CA		\$ 1,490.00	\$ -
2.53	3,580,000 29.8 120,000 87 - 112 CA		\$ 1,241.00	\$ -
2.54	3,580,000 29.8 120,000 113 - 133 CA		\$ 1,305.00	\$ -
2.55	3,580,000 29.8 120,000 134 - 152 CA		\$ 1,412.00	\$ -
2.56	3,580,000 29.8 120,000 153 - 199 CA		\$ 1,711.00	\$ -
2.57	3,580,000 29.8 120,000 200 - 236 CA		\$ 1,787.00	\$ -
2.58	3,580,000 29.8 120,000 87 - 112 CA		\$ 1,576.00	\$ -
2.59	3,580,000 29.8 120,000 113 - 133 CA		\$ 1,650.00	\$ -
2.60	3,580,000 29.8 120,000 134 - 152 CA		\$ 1,857.00	\$ -
2.61	3,580,000 29.8 120,000 153 - 199 CA		\$ 2,056.00	\$ -
2.62	3,580,000 29.8 120,000 200 - 236 CA		\$ 1,787.00	\$ -
2.63	3,920,000 32.7 120,000 87 - 112 CA		\$ 1,576.00	\$ -
2.64	3,920,000 32.7 120,000 113 - 133 CA		\$ 1,650.00	\$ -
2.65	3,920,000 32.7 120,000 134 - 152 CA		\$ 1,857.00	\$ -
2.66	3,920,000 32.7 120,000 153 - 199 CA		\$ 2,056.00	\$ -
2.67	3,920,000 32.7 120,000 200 - 236 CA		\$ 2,132.00	\$ -
2.68	4,260,000 35.5 120,000 87 - 112 CA		\$ 2,032.00	\$ -
2.69	4,260,000 35.5 120,000 113 - 133 CA		\$ 1,873.00	\$ -
2.70	4,260,000 35.5 120,000 134 - 152 CA		\$ 2,203.00	\$ -
2.71	4,260,000 35.5 120,000 153 - 199 CA		\$ 2,501.00	\$ -
2.72	4,260,000 35.5 120,000 200 - 236 CA		\$ 2,584.00	\$ -
2.73	<b>TRIPLE FRAME - FULL IC REINFORCEMENT</b>			
2.74	5,688,000 47.4 120,000 87 - 112 CA		\$ 4,960.00	\$ -
2.75	5,688,000 47.4 120,000 113 - 133 CA		\$ 5,024.00	\$ -
2.76	5,688,000 47.4 120,000 134 - 152 CA		\$ 5,131.00	\$ -
2.77	5,688,000 47.4 120,000 153 - 199 CA		\$ 5,430.00	\$ -
2.78	5,688,000 47.4 120,000 200 - 236 CA		\$ 5,506.00	\$ -
2.79	Flush bright finish channel steel		\$ 113.00	\$ -
2.80	Extended stylized-silver-bright finish steel w/stone guard		\$ 1,495.00	\$ -
2.81	Extended - swept back steel, bright finish with stone guard - includes center tow pin		\$ 1,139.00	\$ -
2.82	Mill finish, flush mounted, unpainted aluminum		\$ 68.00	\$ -
2.83	Extended swept back channel steel (includes center tow pin)		\$ 805.00	\$ -
2.84	Extended swept back channel steel with bright finish w/painted center tow pin		\$ 620.00	\$ -
2.85	Extended swept back steel channel w/bright finish		\$ 258.00	\$ -
2.86	Extended swept back painted steel	1	STD	
2.87	Flush painted steel		\$ (15.00)	\$ -
2.88	Flush stainless clad aluminum		\$ 143.00	\$ -
2.89	Plate type radiator guard		\$ 105.00	\$ -



## VENDOR INSTRUCTIONS

Spec #	Description	Qty	Price	Subtotal
2.90	Bright finish plate type radiator guard		\$ 258.00	\$ -
2.91	Tectyl 185 GW pigmented compound between frame rails		\$ 110.00	\$ -
2.92	BOC crossmember, steel HD back to back channel intermediate		\$ 66.00	\$ -
2.93	BOC & intermediate crossmember, HD I-Beam		\$ 332.00	\$ -
2.94	Frame rail clearance		\$ 62.00	\$ -

**3.0 FRONT AXLE/SUSPENSION/BRAKE/OPTION**

3.1	Set back front axle option	1	STD	
3.2	12,000 front axle & matching suspension - Mack FXL12		STD	
3.3	14,600 front axle & matching suspension - Mack FXL14.6		\$ 771.00	\$ -
3.4	16,000 front axle and matching suspension			\$ -
3.5	18,000 front axle and matching suspension - Mack FXL18		\$ 1,361.00	\$ -
3.6	20,000 front axle and matching suspension - Mack FXL20	1	\$ 2,147.00	\$ 2,147.00
3.7	23,000 front axle and matching suspension - Mack FXL23		\$ 2,448.00	\$ -
3.8	Heavy duty front axle shocks	1	STD	
3.9	Front stabilizer bar			\$ -
3.10	Right hand air bag suspension per Spec 3.6, Driver controlled			\$ -
3.11	Left air bag suspension per Spec 3.6, Driver controlled			\$ -
3.12	Front axle lubrication cap with slotted venthole			
3.13	Front brake dust shields	1	\$ 18.00	\$ 18.00
3.14	Dual front auxiliary steering gear		\$ 569.00	\$ -
3.15	RH spring build up for wing plow application		\$ 30.00	\$ -
3.16	LH spring build up for wing plow application		\$ 30.00	\$ -
3.17	All wheel drive front axle		\$ 43,000.00	\$ -
3.18	Twin Steer Front Axle		\$ 12,612.00	\$ -
3.19	Aluminum front hubs		\$ 53.00	\$ -
3.20	Centerfuse outboard mounted brake drums		\$ 217.00	\$ -
3.21	Multileaf front spring ILO taperleaf (2 leaf spring)		\$ 35.00	\$ -
3.22	HD multileaf front spring ILO taperleaf (2 leaf spring)		\$ 65.00	\$ -
3.23	HD taperleaf (3 leaf spring) ILO of taperleaf (2 leaf spring)		\$ 65.00	\$ -
3.24	Meritor EX+ Air Disc Brakes requires Meritor rear brakes		\$ 653.00	\$ -
3.25	Meritor front slack adjusters - Need same slack on rear axle		\$ 1.00	\$ -
3.26	Meritor front slack with stainless steel pins		\$ 58.00	\$ -
3.27	Haldex front slack adjusters - Need same slack adjuster on rear axle		STD	
3.28	Haldex front slack with stainless steel pins	1	\$ 57.00	\$ 57.00
3.29	Meritor front brakes ILO of Bendix - requires Meritor rear brakes		\$ 131.00	\$ -
3.30	Power steering reservoir with visible sight glass		\$ 30.00	\$ -

**4.0 4.0 TANDEM REAR AXLE/SUSPENSION/BRAKE/OPTIONS**

4.1	46,000# rear axle & matching suspension Make & Model - Mack SS462 Mack Camelback Suspension		\$ 2,240.00	\$ -
4.2	40,000# walking beam rear suspension and axle Make & Model - Meritor MT-40-14X4D with Hendrickson HMX400		\$ 1,558.00	\$ -
4.3	46,000# walking beam rear suspension and axle Make & Model Meritor RT-46-160 with Hendrickson HMX460		\$ 3,362.00	\$ -
4.4	40,000# air suspension and axle Make & Model Meritor MT-40-14X4D with Mack AL461 46,000 lbs. air suspension		\$ 1,578.00	\$ -
4.5	46,000# air suspension and axle Make & Model Meritor RT-46-160 with Mack AL461 46,000 lbs. air suspension		\$ 2,976.00	\$ -
4.6	Dash mounted air dump system - With air ride suspension		STD	
4.7	Driver activated differential lock on one rear axle (front axle rear axle, check one)		\$ 484.00	\$ -
4.8	Driver activated differential lock on both front and rear axles	1	\$ 968.00	\$ 968.00



## VENDOR INSTRUCTIONS

Spec #	Description	Qty	Price	Subtotal
4.9	Driver activated differential lock on both front and rear axles, and lubrication pump and filter system		\$ 1,210.00	\$ -
4.10	Meritor MT-40-14X4DP, both axles driver differential lock and pump, HMX400 40,000 # walking beam suspension		\$ 2,768.00	\$ -
4.11	Meritor RT-46-160P, both axles driver differential lock and pump, HMX460 46,000 # walking beam suspension		\$ 4,572.00	\$ -
4.12	½ round universal joints	1	STD	
4.13	Spicer 1810 HD drive line with half round universal joints		\$ 126.00	\$ -
4.14	Rear Dust Shields	1	\$ 34.00	\$ 34.00
4.15	Driver activated differential lock on both front and rear axles with individual switches		\$ 1,102.00	\$ -
4.16	Meritor 18 MXL extended lube	1	\$ 31.00	\$ 31.00
4.17	Meritor 176 MXL extended lube		\$ 32.00	\$ -
4.18	Dana-spicer SPL170XL extended lube series		\$ 453.00	\$ -
4.19	Dana-spicer SPL250XL extended lube series		\$ 493.00	\$ -
4.20	Dana-spicer SPL250HDXL extended lube series		\$ 502.00	\$ -
4.21	Dana-spicer SPL350HDXL extended lube series		\$ 776.00	\$ -
4.22	Mack S38R fabricated steel housing		STD	
4.23	Mack SB38 fabricated steel housing -40,000 # recertification	1	\$ 450.00	\$ 450.00
4.24	Mack S40 40,000 # rear axle		\$ 450.00	\$ -
4.25	Mack S402 40,000 # cast iron housing		\$ 450.00	\$ -
4.26	Mack S440 44,000# fabricated steel housing		\$ 1,350.00	\$ -
4.27	Mack S440-46 fabricated steel housing - recertification		\$ 1,350.00	\$ -
4.28	Mack S462 46,000# cast ductile iron housing		\$ 1,800.00	\$ -
4.29	Mack S462R 46,000# cast ductile iron housing		\$ 1,800.00	\$ -
4.30	Meritor 40,000# MT-40-14X4C Amboid (High Entry)		\$ 765.00	\$ -
4.31	Meritor 40,000# MT-40-14X4C Hypoid (Low Entry)		\$ 765.00	\$ -
4.32	Meritor 46,000# RT-46-160		\$ 2,163.00	\$ -
4.33	Meritor 46,000# Rt-46-164EH		\$ 2,163.00	\$ -
4.34	Spicer 46,000# DS405		\$ 2,628.00	\$ -
4.35	Spicer 46,000# D46-170H		\$ 4,305.00	\$ -
4.36	Mack SS38 Mack multileaf camelback spring without anti-sway springs		\$ (80.00)	\$ -
4.37	Mack SS38 multileaf camelback spring with anti-sway springs		STD	
4.38	Mack SSB 38 multileaf camelback spring (boost-a-load)		\$ (40.00)	\$ -
4.39	Mack SSB 38 multileaf camelback spring 40,000# recertification		\$ 273.00	\$ -
4.40	Mack SS40 44,000# multileaf camelback suspension without anti sway		\$ 226.00	\$ -
4.41	Mack SS40 44,000# multileaf camelback suspension with anti sway		\$ 330.00	\$ -
4.42	Mack SS40 44,000# multileaf camelback suspension 46,000# - recertification		\$ 228.00	\$ -
4.43	Mack SS462 44,000# multileaf camelback suspension without anti sway		\$ 336.00	\$ -
4.44	Mack SS462 44,000# multileaf camelback suspension with anti sway		\$ 440.00	\$ -
4.45	Mack AL-461 46,000# air ride		\$ 813.00	\$ -
4.46	Mack M-Ride 40 parabolic 2-leaf, 40,000# normal stiffness		\$ 959.00	\$ -
4.47	Mack M-Ride 40 parabolic 3-leaf, 40,000# stiffer than normal	1	\$ 959.00	\$ 959.00
4.48	Mack M-Ride 46 parabolic 3-leaf 46,000#		\$ 1,289.00	\$ -



# VENDOR INSTRUCTIONS

Spec #	Description	Qty	Price	Subtotal
4.49	HMX 400 Hendrickson Haulmax rubber suspension 40,000#		\$ 803.00	\$ -
4.50	HMX 460 Hendrickson Haulmax rubber suspension 46,000#		\$ 1,199.00	\$ -
4.51	Chambers 46,000# L high stability W#29 can		\$ 3,798.00	\$ -
4.52	PAX 460 High Stability Hendrickson Primaxx Air Suspension		\$ 1,319.00	\$ -
4.53	PAX 462 High Stability Hendrickson Primaxx Air Suspension		\$ 1,319.00	\$ -
4.54	Neway AD-246 air ride suspension		\$ 1,825.00	\$ -
4.55	Neway AD-252 air ride suspension		\$ 2,287.00	\$ -
4.56	Delete power divider lockout		\$ (153.00)	\$ -
4.57	Urethane bushing on Mack camelback suspension		\$ (58.00)	\$ -
4.58	55" axle spacing		\$ 122.00	\$ -
4.59	60" axle spacing		\$ 317.00	\$ -
4.60	Dual leveling valve air suspension height control		\$ 149.00	\$ -
4.61	Mack CRDP1501/1511 with interwheel power divider - both axles		\$ 2,735.00	\$ -
4.62	Outboard centrifuse rear brake drums		\$ 206.00	\$ -
4.63	Haldex automatic rear slack adjustor		STD	
4.64	Haldex automatic rear slack adjustor with stainless steel pins	1	\$ 96.00	\$ 96.00
4.65	Meritor automatic rear slack adjustor		\$ 1.00	\$ -
4.66	Meritor automatic rear slack adjustor with stainless steel pins		\$ 231.00	\$ -
4.67	Haldex S-ABA slack adjustors		\$ 50.00	\$ -
4.68	30/36 rear brake chamber		\$ 156.00	\$ -
4.69	Comet aluminum hubs w/preset bearings & seals		\$ 385.00	\$ -
4.70	Aluminum preset rear hubs with integrated spindle nut		\$ 37.00	\$ -
4.71	Chicago Rawhide (Scotseal Longlife) oil seal		\$ 59.00	\$ -
4.72	National/Federal Mogul		\$ 23.00	\$ -
4.73	Stemco-Grit Guard oil seals		\$ 63.00	\$ -
4.74	Stemco - Guardian oil seal		\$ 31.00	\$ -
4.75	Stemco (Voyager) oil seals		\$ (5.00)	\$ -
4.76	Scotseal longlife rear oil seals		\$ 59.00	\$ -
4.77	Air Disc Brake (17") H-Type - Require Air Disc Front Brakes & M-Ride 3 leaf suspension		\$ 2,430.00	\$ -
4.78	Bendix ES165-08D, 16.5" x 8 5/8" Cast Spider - Require M-Ride suspension. N/A with dust shields		\$ 272.00	\$ -
4.79	Meritor rear brakes - 16.5"7" Q+		\$ 115.00	\$ -
4.80	Meritor rear brakes - 16.5" x 8 5/8" Q+ - N/A with dust shields		\$ 291.00	\$ -
4.81	Meritor rear brakes - 16.5" x 8" Q+ - N/A with dust shields		\$ 213.00	\$ -
4.82	13,500 lbs. Hendrickson steerable composite HLUC-2 pusher axle - includes tires and rims		\$ 9,791.00	\$ -
4.83	10,000 lbs. Hendrickson steerable composite HLUC-2 pusher axle - includes tires and rims		\$ 9,791.00	\$ -
4.84	20,000 lbs. Watson-Chalin steerable SL-2089 Thu Track Series pusher axle - includes tire and rims		\$ 12,381.00	\$ -
4.85	13,200 lbs. Watson-Chalin steerable SL-1187 Thu Track Series pusher axle - includes tire and rims		\$ 10,173.00	\$ -
4.86	20,000 lbs. Watson-Chalin non-steerable AL-2200 Atlas Series pusher axle - includes tire and rims		\$ 9,198.00	\$ -
4.87	20,000 lbs. Hendrickson non - steerable composite HLM pusher axle - includes tires and rims		\$ 9,091.00	\$ -
4.88	13,200 lbs. Hendrickson steerable HLU2Z pusher axle - includes tires and rims		\$ 9,791.00	\$ -



## VENDOR INSTRUCTIONS

Spec #	Description	Qty	Price	Subtotal
4.89	20,000 lbs. Hendrickson Paralift HLP20 steerable pusher axle - includes tires and rims		\$ 11,192.00	\$ -
4.90	13,500 lbs. Hendrickson steerable composite HLUC-2 tag axle - includes tires and rims		\$ 9,791.00	\$ -
4.91	10,000 lbs. Hendrickson steerable composite HLUC-2 tag axle - includes tires and rims		\$ 9,791.00	\$ -
4.92	20,000 lbs. Watson-Chalin steerable SL-2089 Thu Track Series tag axle - includes tire and rims		\$ 12,381.00	\$ -
4.93	13,200 lbs. Watson-Chalin steerable SL-1187 Thu Track Series tag axle - includes tire and rims		\$ 10,173.00	\$ -
4.94	20,000 lbs. Watson-Chalin non-steerable AL-2200 Atlas Series tag axle - includes tire and rims		\$ 9,198.00	\$ -
4.95	20,000 lbs. Hendrickson non - steerable composite HLM tag axle - includes tires and rims		\$ 9,091.00	\$ -
4.96	13,200 lbs. Hendrickson steerable HLUS2Z tag axle - includes tires and rims		\$ 9,791.00	\$ -
4.97	20,000 lbs. Hendrickson Paralift HLP20 steerable tag axle - includes tires and rims		\$ 11,192.00	\$ -
4.98	6S/6M systems sensing both rear axle wheel end sensors		\$ 440.00	\$ -
4.99	Furnish Meritor wide track axle option - Need for Super Singles		\$ 1,032.00	\$ -

## 5.0 Fifth Wheel options

5.1	Frame end tapered and open			\$ -
5.2	Frame end tapered and closed		\$ 30.00	\$ -
5.3	Fixed fifth wheel - Holland FW-35		\$ 684.00	\$ -
5.4	Mechanical slide fifth wheel - Holland FW35 Travel - 24" slide		\$ 562.00	\$ -
5.5	Air operated slide fifth wheel - Holland FW35 Travel 24" slide		\$ 986.00	\$ -
5.6	Stainless 1/4 fenders, mounted front of tandems		\$ 109.00	\$ -
5.7	Plastic 1/4 fenders, mounted front of tandems		\$ 110.00	\$ -
5.8	Tractor package hookup		\$ 297.00	\$ -
5.9	Behind cab deck plate		\$ 681.00	\$ -
5.10	Holland fixed with non-tilt 5th wheel		\$ 1,385.00	\$ -
5.11	Holland manual slide 5th wheel		\$ 537.00	\$ -
5.12	Mack mud flaps with brackets		\$ 98.00	\$ -
5.13	Betts B60 stainless steel angled mud flap brackets		\$ 161.00	\$ -
5.14	Hose tender & towel bar assembly		\$ 48.00	\$ -
5.15	Coiled trailer air hose		\$ 28.00	\$ -
5.16	Coiled trailer electrical hose		\$ 44.00	\$ -
5.17	Air Weight AW5800 onboard scales		\$ 963.00	\$ -
5.18	Medium height 5th wheel ramp guide		\$ 192.00	\$ -
5.19	Trailer hook up light		\$ 37.00	\$ -

## 6.0 TIRES/RIMS OPTIONS:

6.1	Nylon wafers or wheel guards on all wheels (10 ea.)	1	\$ 44.00	\$ 44.00
6.2	Heavier 7500 lb. 22.5 x 8.25 Steel rims in lieu of standard 7300# rims (10 ea.)		STD	
6.3	Heavier 7500 lb. 22.5 x 8.25 Steel rims in lieu of standard 7300# rims (8 ea.) in rear only		\$ 16.00	\$ -
6.4	11R 22.5 H front tires		\$ 39.00	\$ -
6.5	12R 22.5 H front tires		\$ 198.00	\$ -
6.6	9000 lb. 22.5 9" front steel rims, 315/80R 22.5 J front tires		\$ 187.00	\$ -



Spec #	Description	Qty	Price	Subtotal
6.7	10,000 lb. 22.5 9" front steel rims, 315/80R 22.5 J front tires	1	\$ 407.00	\$ 407.00
6.8	10,500 lb. 22.5 x 12.25 front steel rims, 385/65R 22.5 J front tires		\$ 609.00	\$ -
6.9	10,500 lb. 22.5 x 12.25 front steel rims, 425/65R 22.5 J front tires		\$ 669.00	\$ -
6.10	11R 22.5 H rear tires		\$ 656.00	\$ -
6.11	7,300 lb. 24.5" x 8.25" steel front rims		\$ 5.00	\$ -
6.12	7300 lb. 24.5" x 8.25" rear steel rims		\$ 44.00	\$ -
6.13	8,000 lb. 24.5" x 8.25" steel front rims		\$ 10.00	\$ -
6.14	8,000 lb. 24.5" x 8.25" steel rear rims		\$ 164.00	\$ -
6.15	11R 24.5 G front tires		\$ 63.00	\$ -
6.16	11R 24.5 H front tires		\$ 105.00	\$ -
6.17	11R 24.5 G rear tires		\$ 164.00	\$ -
6.18	11R 24.5 H rear tires		\$ 480.00	\$ -
6.19	Steel spare rim, size 22.5 x 8.25		\$ 125.00	\$ -
6.20	Steel spare rim, size 24.5 x 8.25		\$ 148.00	\$ -
6.21	Steel spare rim, size 22.5 x 9.0		\$ 380.00	\$ -
6.22	Steel spare rim, size 22.5 x 12.25		\$ 430.00	\$ -
6.23	12R22.5 H front tires		\$ 439.00	\$ -
6.24	12R 22.5 H rear tires		\$ 1,752.00	\$ -
6.25	Wheel lug wrench - includes handle		\$ 48.00	\$ -
6.26	Aluminum front wheel - 22.5 x 8.25		\$ 141.00	\$ -
6.27	Aluminum front wheel - 24.5 x 8.25		\$ 156.00	\$ -
6.28	Aluminum front wheel - 22.5 x 9.0		\$ 329.00	\$ -
6.29	Aluminum front wheel - 22.5 x 12.25		\$ 387.00	\$ -
6.30	Polished aluminum front wheel		\$ 48.00	\$ -
6.31	Dura-bright bright finish front wheels		\$ 204.00	\$ -
6.32	Wheel finishing with extra polished front wheels		\$ 76.00	\$ -
6.33	Aluminum rear wheels - 22.5 x 8.25		\$ 492.00	\$ -
6.34	Aluminum rear wheels - 24.5 x 8.25		\$ 600.00	\$ -
6.35	Polished aluminum rear wheel four outboard of dual wheels		\$ 132.00	\$ -
6.36	Polished aluminum rear wheel all eight (8) wheels		\$ 265.00	\$ -
6.37	Dura-bright bright finish on all eight (8) rear wheels		\$ 1,334.00	\$ -
6.38	Dura-bright bright finish on all four (4) outboard rear wheels		\$ 667.00	\$ -
6.39	11R22.5 G Bridgestone M843 front tires		\$ 223.00	\$ -
6.40	11R22.5 G Michelin XZE2 front tires		\$ 296.00	\$ -
6.41	315/80R22.5 L Michelin XZA1 front tires		\$ 532.00	\$ -
6.42	385/65R22.5 J Michelin XZY3 front tires		\$ 712.00	\$ -
6.43	425/65R22.5 L Michelin XZY3 front tires		\$ 959.00	\$ -
6.44	11R22.5 G Bridgestone M843 rear tires		\$ 892.00	\$ -
6.45	11R22.5 G Michelin XDN2 rear tires	1	\$ 1,892.00	\$ 1,892.00
6.46	11R22.5 H Michelin XDN2 rear tires		\$ 1,964.00	\$ -
6.47	11R22.5 G Goodyear G622RSD rear tires		\$ 2,504.00	\$ -
6.48	11R22.5 H Goodyear G622RSD rear tires		\$ 2,672.00	\$ -

**7.0 BRAKE SYSTEM OPTIONS:**

7.1	Wabco System Saver 1200 E heated air dryer	1	STD	
7.2	Manual cable drain valves on air tanks with lanyard on all tanks		\$ 24.00	\$ -
7.3	Heated air tank			
7.4	Auto drain valves on air tanks		\$ 31.00	\$ -



## VENDOR INSTRUCTIONS

Spec #	Description	Qty	Price	Subtotal
7.5	MGM type TR-T rear brake chambers		\$ 50.00	\$ -
7.6	S.S. pins on slack adjuster yoke (2 ea. per yoke) For all air brake chambers			\$ -
7.7	Inverted rear brake chamber mounting in lieu of regular mounting			\$ -
7.8	Relocate air dryer		\$ 49.00	\$ -
7.9	Bendix AD9 heated air dryer		\$ 118.00	\$ -
7.10	Bendix AD-IP heated air dryer		\$ 164.00	\$ -
7.11	Meritor/Wabco system twin heated air dryer		\$ 539.00	\$ -
7.12	Auto heated drain valve- heated supply tank, manual petcock	1	\$ 42.00	\$ 42.00
7.13	Auto heated drain valve- heated supply tank, with lanyard on all other tanks		\$ 72.00	\$ -
7.14	Aluminum air reservoirs		\$ 192.00	\$ -
7.15	Polished aluminum air reservoirs		\$ 252.00	\$ -
7.16	Increase air capacity for installation of extra axles		\$ 289.00	\$ -
7.17	MACK Road Stability Adv. Bendix ABS/ATC/RSA w/YAW control with mud/snow switch		\$ 1,873.00	\$ -
7.18	Meritor/Wabco ABS system w/o automatic traction control		\$ 142.00	\$ -
7.19	Bendix ABS system with traction control		\$ 270.00	\$ -
7.20	Meritor/Wabco ABS system w/auto traction control		\$ 357.00	\$ -
7.21	Furnish automatic traction control (ATC full disable switch)		\$ 105.00	\$ -
7.22	Lanyard control on supply wet tank		\$ 16.00	\$ -
7.23	Haldex "Gold Seal" brake chamber		\$ 1.00	\$ -
7.24	Haldex "Life Seal" brake chamber	1	STD	
7.25	MGM TR 30/30 LP3 (3" Stroke) brake chamber		\$ 105.00	\$ -
7.26	MGM LTR (3" Stroke) brake chamber		\$ 285.00	\$ -
7.27	MGM TR3030LP3THD		\$ 133.00	\$ -
7.28	MGM TR-T (Tamper Resistant brake chamber) reclock inlet ports for optimum ground clearance		\$ 68.00	\$ -
7.29	Haldex "Gold Seal" 3.0" stroke brake chamber		\$ 399.00	\$ -
7.30	Electric horn sound when driver door open with park brake released		\$ 67.00	\$ -
7.31	Alarm to sound when driver door open & parking brake not on		\$ 43.00	\$ -
7.32	Schreder valve located in supply tank		\$ 47.00	\$ -
7.33	Schreder valve, secondary		\$ 47.00	\$ -
7.34	Two (2) valve dual brake system-trailer supply and tractor-trailer park		\$ 42.00	\$ -
7.35	Relocate all air reservoir in frame		\$ 48.00	\$ -
7.36	Air reservoir in frame, one reservoir on the RH rail behind Cleartech		\$ 48.00	\$ -
7.37	Never-seize to brake shoes pins & cam rollers		\$ 33.00	\$ -
8.0	<b>ENGINE/EXHAUST AND FUEL TANKS OPTIONS:</b> <b>(List Make &amp; Model, H.P., torque of engine and exhaust and fuel tank options)</b>			
8.1	Mack MP7-325M 325HP@1400-1900 RPM (Peak) 2100 RPM Gov 1250 LB-FT Torque		STD	
8.2	Mack MP7-355A 355HP@1500-1800 RPM (Peak) 2100 RPM Gov 1250 LB-FT Torque		\$ 481.00	\$ -
8.3	Mack MP7-375M 375HP@1500-1900 RPM (Peak) 2100 RPM Gov 1360 LB-FT Torque		\$ 813.00	\$ -



## VENDOR INSTRUCTIONS

Spec #	Description	Qty	Price	Subtotal
8.4	Mack MP7-425M 425HP@1500-1800 RPM (Peak) 2100 RPM Gov 1560 LB-FT Torque		\$ 1,508.00	\$ -
8.5	Mack MP7-345C 345HP@1450-1700 RPM (Peak) 1950 RPM Gov 1360 LB-FT Torque		\$ 300.00	\$ -
8.6	Mack MP7-365C 365HP@1400-1700 RPM (Peak) 1950 RPM Gov 1460 LB-FT Torque		\$ 651.00	\$ -
8.7	Mack MP7-395A 395HP@1450-1700 RPM (Peak) 1950 RPM Gov 1560 LB-FT Torque		\$ 1,112.00	\$ -
8.8	Mack MP7-395C 395HP@1450-1700 RPM (Peak) 1950 RPM Gov 1560 LB-FT Torque		\$ 1,112.00	\$ -
8.9	Mack MP8-415C 415HP@1400-1700 RPM (Peak) 1950 RPM Gov 1660 LB-FT Torque		\$ 2,064.00	\$ -
8.10	Mack MP8-445C 445HP@1300-1700 RPM (Peak) 1950 RPM Gov 1860 LB-FT Torque		\$ 2,589.00	\$ -
8.11	Mack MP8-505C 505HP@1500-1700 RPM (Peak) 1950 RPM Gov 1860 LB-FT Torque		\$ 3,311.00	\$ -
8.12	Mack MP8-425M 425HP@1500-1900 RPM (Peak) 21000 RPM Gov 1560 LB-FT Torque		\$ 2,247.00	\$ -
8.13	Mack MP8-455M 455HP@1500-1900 RPM (Peak) 21000 RPM Gov 1760 LB-FT Torque	1	\$ 2,635.00	\$ 2,635.00
8.14	Mack MP8-505M 505HP@1500-1900 RPM (Peak) 21000 RPM Gov 1860 LB-FT Torque		\$ 3,759.00	\$ -
8.15	Clear Back of Cab - DPF & SCR Frame Mounted , RH Side under Cab	1	\$ 114.00	\$ 114.00
8.16	PK7-17C2 93 gallon sleeved fuel tank, 20" clearance for outrigger/wing plow		\$ 317.00	\$ -
8.17	Cleartech, DPF RH side under cab w/SCR vertical RH side of cab		\$ 601.00	\$ -
8.18	Cleartech with DPF vertical RH side BOC, w/SCR vertical LH side BOC		\$ 3,308.00	\$ -
8.19	No Muffler, Single (R/S) Vertical Exhaust Cab Mounted, Lower Ventura Diffuser, Turned End	1	\$ 318.00	\$ 318.00
8.20	No Muffler, Single (R/S) Vertical Exhaust Cab Mounted, Lower Ventura Diffuser, Plain End		\$ 318.00	\$ -
8.21	Single (R/S) Vertical Straight Exhaust Stack Plain End		\$ (16.00)	\$ -
8.22	Single (R/S) Vertical Straight Exhaust Stack Turned Out	1	STD	
8.23	Single (R/S) Vertical Straight Exhaust Stack Plain End Perf Stack Diffuser		\$ 32.00	\$ -
8.24	Single (R/S) Vertical Straight Exhaust Stack Plain End Side Outlet Diffuser		\$ 126.00	\$ -
8.25	Single (R/S) Vertical Straight Exhaust Stack Plain Top Outlet Diffuser		\$ 126.00	\$ -
8.26	Dual Vertical Straight Exhaust Stack Plain End - N/A with Allison Transmission		\$ 1,065.00	\$ -
8.27	Dual Vertical Straight Exhaust Stack Turned Out End - N/A with Allison Transmission		\$ 1,091.00	\$ -
8.28	Dual Vertical Straight Exhaust Stack Plain Side Outlet Diffuser - N/A with Allison Transmission		\$ 1,507.00	\$ -
8.29	Dual Vertical Straight Exhaust Stack Plain Top Outlet Diffuser - N/A with Allison Transmission		\$ 1,507.00	\$ -
8.30	Single, Bright finish heat shield & stack	1	\$ 65.00	\$ 65.00
8.31	Dual, Bright finish heat shield & stack		\$ 130.00	\$ -
8.32	Single, Bright finish heat shield, stack & elbow		\$ 162.00	\$ -
8.33	Dual, Bright finish heat shield, stack & elbow		\$ 344.00	\$ -
8.34	Single, Bright finish stack only		\$ 50.00	\$ -
8.35	Dual, Bright finish stack only		\$ 99.00	\$ -

AMENDMENT #1 FOR 2019 MODELS TA



Spec #	Description	Qty	Price	Subtotal
8.36	Single, Bright finish lower elbow & stack		\$ 148.00	\$ -
8.37	Dual, Bright finish lower elbow & stack		\$ 294.00	\$ -
8.38	Single, Bright finish heat shield only		\$ 16.00	\$ -
8.39	Dual, Bright finish heat shield only		\$ 31.00	\$ -
8.40	Bright finish stainless steel heat shield for frame mounted Mack Cap DPF		\$ 171.00	\$ -
8.41	50 Gallon LH steel 22" Dia fuel tank		\$ (118.00)	\$ -
8.42	66 Gallon LH steel 22" Dia fuel tank		\$ (96.00)	\$ -
8.43	72 Gallon LH steel 26" Dia fuel tank		\$ (62.00)	\$ -
8.44	88 Gallon LH steel 22" Dia fuel tank		\$ 164.00	\$ -
8.45	93 Gallon LH steel 26" Dia fuel tank		\$ 267.00	\$ -
8.46	116 Gallon LH steel 22" Dia fuel tank		\$ 222.00	\$ -
8.47	50 Gallon LH aluminum 22" Dia fuel tank		\$ (64.00)	\$ -
8.48	66 Gallon LH aluminum 22" Dia fuel tank		\$ (45.00)	\$ -
8.49	72 Gallon LH aluminum 26" Dia fuel tank		\$ 24.00	\$ -
8.50	88 Gallon LH aluminum 22" Dia fuel tank		\$ 231.00	\$ -
8.51	93 Gallon LH aluminum 26" Dia fuel tank		\$ 272.00	\$ -
8.52	116 Gallon LH aluminum 22" Dia fuel tank		\$ 292.00	\$ -
8.53	50 Gallon LH Steel D-Shape		\$ (118.00)	\$ -
8.54	66 Gallon LH Steel D-Shape		\$ (68.00)	\$ -
8.55	88 Gallon LH Steel D-Shape		\$ 101.00	\$ -
8.56	116 Gallon LH Steel D-Shape		\$ 300.00	\$ -
8.57	50 Gallon LH Aluminum D-Shape		\$ (118.00)	\$ -
8.58	66 Gallon LH Aluminum D-Shape		\$ (27.00)	\$ -
8.59	88 Gallon LH Aluminum D-Shape		\$ 173.00	\$ -
8.60	93 Gallon LH Aluminum D-Shape		\$ 195.00	\$ -
8.61	116 Gallon LH Aluminum D-Shape		\$ 367.00	\$ -
8.62	66 Gallon LH Steel D-Shape with Integral DEF Tank		\$ (47.00)	\$ -
8.63	88 Gallon LH Steel D-Shape with Integral DEF Tank		\$ 213.00	\$ -
8.64	111 Gallon LH Steel D-Shape with Integral DEF Tank		\$ 325.00	\$ -
8.65	66 Gallon LH Aluminum D-Shape with Integral DEF Tank		STD	
8.66	72 Gallon LH Aluminum D-Shape 26" Dia. with Integral DEF Tank		\$ 171.00	\$ -
8.67	88 Gallon LH Aluminum D-Shape with Integral DEF Tank	1	\$ 240.00	\$ 240.00
8.68	93 Gallon LH Aluminum D-Shape 26" Dia. with Integral DEF Tank		\$ 304.00	\$ -
8.69	111 Gallon LH Aluminum D-Shape with Integral DEF Tank		\$ 378.00	\$ -
8.70	111 & 66 Gallon Aluminum D-Shape tanks, 66 Gallon isolated for Hyd oil		\$ 839.00	\$ -
8.71	50 Gallon RH steel 22" Dia fuel tank		\$ 503.00	\$ -
8.72	66 Gallon RH steel 22" Dia fuel tank		\$ 529.00	\$ -
8.73	88 Gallon RH steel 22" Dia fuel tank		\$ 814.00	\$ -
8.74	116 Gallon RH steel 22" Dia fuel tank		\$ 871.00	\$ -
8.75	50 Gallon RH aluminum 22" Dia fuel tank		\$ 570.00	\$ -
8.76	66 Gallon RH aluminum 22" Dia fuel tank		\$ 593.00	\$ -
8.77	88 Gallon RH aluminum 22" Dia fuel tank		\$ 879.00	\$ -
8.78	116 Gallon RH aluminum 22" Dia fuel tank		\$ 849.00	\$ -
8.79	50 Gallon RH Steel D-Shape		\$ 503.00	\$ -
8.80	66 Gallon RH Steel D-Shape		\$ 566.00	\$ -
8.81	88 Gallon RH Steel D-Shape		\$ 751.00	\$ -
8.82	116 Gallon RH Steel D-Shape		\$ 950.00	\$ -
8.83	50 Gallon RH Aluminum D-Shape		\$ 569.00	\$ -



Spec #	Description	Qty	Price	Subtotal
8.84	66 Gallon RH Aluminum D-Shape		\$ 617.00	\$ -
8.85	88 Gallon RH Aluminum D-Shape		\$ 822.00	\$ -
8.86	116 Gallon RH Aluminum D-Shape		\$ 1,016.00	\$ -
8.87	Single polished aluminum fuel tank		\$ 197.00	\$ -
8.88	Dual polished aluminum fuel tank		\$ 393.00	\$ -
8.89	Isolate RH fuel tank from fuel system for hyd oil		\$ 30.00	\$ -
8.90	Dual draw & return fuel system		\$ 82.00	\$ -
8.91	Filter neck screen for fuel tank		\$ 71.00	\$ -
8.92	Lockable fuel tank cap		\$ 31.00	\$ -
8.93	Bright finish DPF tank cover - Requires with bright finish tanks		\$ 171.00	\$ -
8.94	Bright finish DEF tank cover		\$ 29.00	\$ -
8.95	Bright Finish Aluminum steps & stainless steel bright finish straps		\$ 189.00	\$ -
8.96	Bright Finish Fuel Tank Straps - Single Tank	1	\$ 32.00	\$ 32.00
8.97	Flocs oil change system w/disconnecting fittings		\$ 114.00	\$ -
8.98	Engine oil drain kit, Flocs, SAE 100R2 hose		\$ 136.00	\$ -

**9.0 ENGINE RELATED OPTIONS:**

9.1	Oil fill and dipstick EZ access			\$ -
9.2	Delco 35 SI Brushless Alternator, 135 AMP		\$ 102.00	\$ -
9.3	Delco 24 SI Alternator, 130 AMP		STD	
9.4	Delco 24 SI Alternator, 145 AMP		\$ 18.00	\$ -
9.5	Leece-Neville Alternator, 145 AMP		\$ 70.00	\$ -
9.6	Dual element air cleaner			
9.7	Donaldson Single Stage Air cleaner per spec 12.1	1	\$ 278.00	\$ 278.00
9.8	Thumb screws for Donaldson. Single stage Air Cleaner			\$ -
9.9	Fuel/water separator/heated/ Thermostatically controlled, ____ (Brand)			\$ -
9.10	Davco 382 fuel/water separator, non heated			\$ -
9.11	Non-heated fuel/water separator, Mack w/manual drain valve (integral w/primary fuel filter)	1	STD	
9.12	Coolant spin on filter/conditioner	1	\$ 47.00	\$ 47.00
9.13	Front engine powered take off adapter and radiator cut out	1	\$ 103.00	\$ 103.00
9.14	Air applied fan drive, Kysor two speed K32 Duro speed fan		\$ 135.00	\$ -
9.15	Air applied fan drive, ____ (Brand)			\$ -
9.16	Viscous fan drive - Behr Electronically modulated	1	STD	
9.17	Radiator hose package (Silicone) per Spec 12.2		\$ 240.00	\$ -
9.18	Curved exhaust pipe end	1	STD	
9.19	Fuel tank per specification 12.7			\$ -
9.20	Engine block heater	1	\$ 65.00	\$ 65.00
9.21	In line fuel heater		\$ 407.00	\$ -
9.22	In tank fuel heater		\$ 351.00	\$ -
9.23	Fuel cooler			\$ -
9.24	Radiator bug screen	1	STD	
9.25	Engine brake system	1	\$ 604.00	\$ 604.00
9.26	Relocate air dryer		\$ 66.00	\$ -
9.27	Extended life anti-freeze	1	\$ 20.00	\$ 20.00
9.28	Starter motor options			\$ -
9.29	Starter motor options - Delco 39MT-MXT	1	STD	
9.30	Mitsubishi electric 105P planetary gear reduction		\$ 46.00	\$ -
9.31	Relocate fuel filter		\$ 38.00	\$ -
9.32	Non-heated fuel/water separator, Behr 1000 FH		\$ 349.00	\$ -



Spec #	Description	Qty	Price	Subtotal
9.33	Silicone radiator & heater hose with gate valve on each heater hose		\$ 201.00	\$ -
9.34	Silicone radiator, spring clamps on radiator & heater, 1/4 turn ball valve heater hose		\$ 212.00	\$ -
9.35	Mack brand EPDM radiator & heater hoses with 1/4 turn ball valve		\$ 79.00	\$ -
9.36	Mack brand EPDM radiator & heater hoses with constant torque clamps on all coolant lines		\$ 22.00	\$ -
9.37	Leece-Neville Alternator, 200 AMP		\$ 464.00	\$ -
9.38	Leece-Neville Alternator, 270 AMP		\$ 659.00	\$ -
9.39	Leece-Neville Alternator, 160 AMP Brushless		\$ 106.00	\$ -
9.40	Delco 24 SI Alternator, 160 AMP		\$ 54.00	\$ -
9.41	Delco 36SI Alternator, 165A Amp Brushless	1	\$ 178.00	\$ 178.00
9.42	Delco 36SI Alternator, 165A Amp Brushless, w/remote voltage sensing		\$ 166.00	\$ -
9.43	Leece-Neville Alternator, 140 Amp		\$ 49.00	\$ -
9.44	Leece-Neville Alternator, 160 AMP Brush		\$ 103.00	\$ -
9.45	Meritor/Wabco 636 (37.4 CFM) air compressor		\$ 783.00	\$ -
9.46	Without bug screen		\$ (22.00)	\$ -
9.47	Winterfront over radiator mtg bug screen		\$ 97.00	\$ -
9.48	Winter front cover only		\$ 52.00	\$ -
9.49	Corrosion resistant oil pan - Recommended for snow plow trucks	1	\$ 126.00	\$ 126.00
9.50	Stainless steel oil pan		\$ 1,950.00	\$ -
9.51	Davco 382 heated fuel-water separator	1	\$ 387.00	\$ 387.00
9.52	Racor fuel filter 1000 FH, 12V electrical heater with Mack integral fuel-water separator		\$ 374.00	\$ -
9.53	120V, 1500W block heater with 150W oil pan heater wired to same receptacle		\$ 137.00	\$ -
9.54	Electric preheater		\$ 53.00	\$ -
9.55	Tether device -furnish cap retainer for oil fill, radiator overflow tank, battery box & tool box when furnish		\$ 23.00	\$ -
9.56	Electric primer pump (Mack engine) with momentary switch located LH rail BOC		\$ 96.00	\$ -
9.57	Rear engine PTO (Repto)		\$ 1,817.00	\$ -
9.58	Furnish transmission thru shaft for local installation of RMPTO for Fuller transmission (lower left)		\$ 28.00	\$ -
9.59	Provision for local installation of rear mounted PTO (lower center) includes dash mounted indicator light		\$ 159.00	\$ -
9.60	Air operated PTO control - includes in cab control (RMPTO only)		\$ 118.00	\$ -
9.61	PTO switch and light with wiring and piping		\$ 156.00	\$ -
9.62	PTO switch and light with wiring and piping - M-Drive transmission		\$ 156.00	\$ -

**TRANSMISSION OPTIONS:**

- 10.0 (After the first Six listed options, list manual and automatic transmission options. List make and model, # of speeds, type of shifting and whether or not transmission includes PTO gear(s) or not). Example: Allison 3000 HS, 5 speed, push button, no PTO.

10.1	2 plate 14" ceramic clutch option for manual transmission		\$ -	\$ -
10.2	2 plate 15½" ceramic clutch option for manual transmission		\$ -	\$ -
10.3	External grease fitting for throw out bearing		\$ 7.00	\$ -
10.4	Adjustment free option for 2 plate clutches		\$ 47.00	\$ -
10.5	Synthetic (TranSynd) lubrication for Automatic Transmission	1	\$ 301.00	\$ 301.00



## VENDOR INSTRUCTIONS

Spec #	Description	Qty	Price	Subtotal
10.6	Synthetic lubrication for manual transmission		STD	
10.7	Factory option lube - transmission		\$ (56.00)	\$ -
10.8	Allison 3000-RDS 5/6 speed push button, PTO		\$ 6,147.00	\$ -
10.9	Allison 3000-RDS 5/6 speed push button, PTO, w/output retarder		\$ 8,178.00	\$ -
10.10	Allison 3000-EVS 6 speed push button, PTO		\$ 8,108.00	\$ -
10.11	Allison 4000-RDS 5 speed push button, PTO		\$ 14,280.00	\$ -
10.12	Allison 4000-RDS 5/6 speed push button, PTO		\$ 13,776.00	\$ -
10.13	Allison 4000-RDS 6 speed push button, PTO, w/output retarder		\$ 13,536.00	\$ -
10.14	Allison 4000-EVS 6 speed push button, PTO		\$ 14,972.00	\$ -
10.15	Allison 4500-RDS 6 speed push button, PTO	1	\$ 13,776.00	\$ 13,776.00
10.16	Allison 4500-RDS-R 6 speed, with retarder, push button, PTO		\$ 16,776.00	\$ -
10.17	Allison 4500-EVS 6 speed push button, PTO		\$ 14,972.00	\$ -
10.18	Mack TMD12AFD-HD automated 12 speed transmission (direct drive)		\$ 3,718.00	\$ -
10.19	Mack TMD12AFD-HD automated 12 speed transmission (over drive)		\$ 3,718.00	\$ -
10.20	Mack TMD13AFD-HD automated 13 speed. Transmission, creeper/multi-speed reverse (direct drive)		\$ 7,438.00	\$ -
10.21	Mack TMD13AFD-HD automated 13 speed. Transmission, creeper/multi-speed reverse (over drive)		\$ 7,438.00	\$ -
10.22	Mack TMD13AFD-HD automated 14 speed. Transmission, ultra-low creeper/multi-speed reverse (over drive)		\$ 7,839.00	\$ -
10.23	Mack T309, 9 speed transmission, PTO		STD	
10.24	Mack T309LR, 9 speed transmission, PTO		\$ 142.00	\$ -
10.25	Mack T310, 10 speed manual transmission, PTO		\$ (516.00)	\$ -
10.26	Mack T310M, 10 speed manual transmission, PTO		\$ 1,029.00	\$ -
10.27	Mack T310ME, 10 speed manual transmission, PTO		\$ 1,193.00	\$ -
10.28	Mack T310MLR, 10 speed manual transmission, PTO		\$ 1,250.00	\$ -
10.29	Fuller FRO-14210C, 10 speed manual transmission, PTO		\$ 377.00	\$ -
10.30	Fuller RTO-14908LL, 10 speed manual transmission, PTO		\$ 855.00	\$ -
10.31	Fuller FRO-15210C, 10 speed manual transmission, PTO		\$ 1,639.00	\$ -
10.32	Fuller FRO-16210C, 10 speed manual transmission, PTO		\$ 1,298.00	\$ -
10.33	Fuller RTO-16908LL, 10 speed manual transmission, PTO		\$ 1,585.00	\$ -
10.34	Fuller FRO-18210C, 10 speed manual transmission, PTO		\$ 1,614.00	\$ -
10.35	Fuller RTO-14909ALL, 11 speed manual transmission, PTO		\$ 1,390.00	\$ -
10.36	Fuller RTO-16908ALL, 11 speed manual transmission, PTO		\$ 2,102.00	\$ -
10.37	Mack T313LR, 13 speed manual transmission, PTO		\$ 1,128.00	\$ -
10.38	Mack T313, 13 speed manual transmission, PTO		\$ 1,089.00	\$ -
10.39	Fuller RTLO-16913A, 13 speed manual transmission, PTO		\$ 2,111.00	\$ -
10.40	Fuller RTLO-18913A, 13 speed manual transmission, PTO		\$ 2,848.00	\$ -
10.41	Fuller RTO-16915, 15 speed manual transmission, PTO		\$ 2,220.00	\$ -
10.42	Mack T318LR21, 18 speed manual transmission, PTO		\$ 1,561.00	\$ -
10.43	Mack T318LR, 18 speed manual transmission, PTO		\$ 1,277.00	\$ -
10.44	Mack T318, 18 speed manual transmission, PTO		\$ 1,306.00	\$ -
10.45	Fuller RTLO-16918B, 18 speed manual transmission, PTO		\$ 2,725.00	\$ -
10.46	Fuller RTLO-18918B, 18 speed manual transmission, PTO		\$ 3,407.00	\$ -
10.47	Air assist clutch		\$ 359.00	\$ -
10.48	Mechanical clutch cable		\$ 160.00	\$ -
10.49	Open grated clutch pedal		\$ 14.00	\$ -
10.50	Transmission oil cooler	1	STD	
10.51	Driveshaft guard for center bearing		\$ 27.00	\$ -



Spec #	Description	Qty	Price	Subtotal
10.52	Transmission dust proofing		\$ 15.00	\$ -
10.53	T-Handle shift lever for Allison - Floor mounted		\$ 203.00	\$ -
10.54	Allison shift to neutral when park brake engaged	1	STD	
10.55	3rd or 4th gear hold for Allison transmission	1	\$ 300.00	\$ 300.00
10.56	Stainless steel transmission coolant pipes	1	\$ 175.00	\$ 175.00
10.57	Allison fill tune and dip stick under hood		\$ 138.00	\$ -
10.58	Remote lube fittings: clutch release, brg & both cross-shaft; mounted under LH door		\$ 50.00	\$ -
10.59	GP1-23 Parker gear pump - requires M-Drive transmission and RMPO		\$ 425.00	\$ -
10.60	GP1-41 Parker gear pump - requires M-Drive transmission and RMPO		\$ 434.00	\$ -
10.61	GP1-60 Parker gear pump - requires M-Drive transmission and RMPO		\$ 548.00	\$ -
10.62	GP1-80 Parker gear pump - requires M-Drive transmission and RMPO		\$ 588.00	\$ -
10.63	F1-61R Parker gear pump - requires M-Drive transmission and RMPO		\$ 637.00	\$ -
10.64	F1-81R Parker gear pump - requires M-Drive transmission and RMPO		\$ 710.00	\$ -
10.65	F1-101R Parker gear pump - requires M-Drive transmission and RMPO		\$ 857.00	\$ -

**11.0 ELECTRICAL OPTIONS:**

11.1	Resettable circuit breaker electrical protection			\$ -
11.2	Automatic reset circuit breakers			\$ -
11.3	Solid state circuit protection			\$ -
11.4	Circuit box under hood or end of frame, each			\$ -
11.5	Battery disconnect off negative side in cab control	1	\$ 97.00	\$ 97.00
11.6	Remote jump start terminals		\$ 111.00	\$ -
11.7	Back up alarm (Preco Factory Model)			\$ -
11.8	OEM daytime running lights	1	STD	
11.9	3000 CCA batteries in lieu of 1950CCA		\$ 66.00	\$ -
11.10	3 each 650/1950 CCA batteries in lieu of 2 each batteries	1	STD	
11.11	Battery box aft of cab			\$ -
11.12	Grote 44710 flasher			\$ -
11.13	Signal Stat 935 turn signal per Spec 12.6			\$ -
11.14	Auxiliary customer access circuits			\$ -
11.15	Switch for snowplow lights mounted on instrumental panel. Includes wiring terminated near headlights, for customer mounted auxiliary snowplow lights.	1	\$ 80.00	\$ 80.00
11.16	Power source terminal-2 stud type-mounted on firewall or inside cab with ground to frame rail and to starter, with 6 gauge wire.			\$ -
11.17	10-position switch panel mounted on instrument panel. Includes 10 lighted switches, ignition control; switches will control relays which will feed stud type junction block mounted inside cab.			\$ -
11.18	Vehicle speed sensor with speed signal at fuse panel for sander ground speed control system.	1	\$ 20.00	\$ 20.00
11.19	Battery box left hand rail back of fuel tank		\$ 48.00	\$ -
11.20	Battery terminal cable with tall battery terminal nuts		\$ 8.00	\$ -
11.21	Dash mounted indicator body/hoist up body builder lamp		\$ 71.00	\$ -
11.22	RH/LH led work light on both side of truck		\$ 113.00	\$ -
11.23	Polished aluminum battery box cover		\$ 52.00	\$ -



Spec #	Description	Qty	Price	Subtotal
11.24	Molded plastic with splash guard		\$ 29.00	\$ -
11.25	Painted steel battery box		\$ 23.00	\$ -
11.26	Lockable steel battery box		\$ 69.00	\$ -
11.27	Battery shock pad	1	\$ 4.00	\$ 4.00
11.28	Body Link w/cab floor pass thru hole/rubber boot		\$ 1.00	\$ -
11.29	Body Link w/o cab floor pass thru hole/rubber boot	1	STD	
11.30	2 Extra dash mounted illuminated toggle switches		\$ 16.00	\$ -
11.31	One extra dash mounted rocker switch thru battery for local installed items		\$ 10.00	\$ -
11.32	One extra dash mounted rocker switch thru ignition for local installed items		\$ 10.00	\$ -
11.33	Six extra switches 2-15A ignition, 1-20A ignition, 1-10A ignition, 1-5A battery, & 1-20A battery		\$ 111.00	\$ -
11.34	Eight switches - front strobe, rear strobes, wing light, wing strobe, sander light, tail gate lock, and vibrator	1	\$ 237.00	\$ 237.00
11.35	Back up alarm with intermittent feature (Ambient noise sensitive)		\$ 98.00	\$ -
11.36	Ecco back-up alarm 575 constant sound level	1	\$ 74.00	\$ 74.00
11.37	Ecco back-up alarm SA917 ambient noise sensitive		\$ 98.00	\$ -
11.38	Pollak 41-722 constant audible (mounted on rear crossmember)		\$ 80.00	\$ -
11.39	Fog lights		\$ 93.00	\$ -
11.40	Fog lights provisions - includes dash control & wiring for local installation of fog lights		\$ 13.00	\$ -
11.41	Omit rear tail lights		\$ (38.00)	\$ -
11.42	Incandescent tail light module		\$ 91.00	\$ -
11.43	Brake lighting on with engine brake		\$ 84.00	\$ -
11.44	LED type tail lights		\$ 199.00	\$ -
11.45	Two Mack M/F 925/1850 CCA batteries		\$ 56.00	\$ -
11.46	Three Mack 730/2190 CCA batteries		\$ 5.00	\$ -
11.47	Three Mack 800 CCA AGM Long Life Batteries		\$ 263.00	\$ -
11.48	Four Mack 1000/4000 CCA		\$ 182.00	\$ -
11.49	Switch in dash with wiring to cab roof, above LH & RH doors for local installation of strobe lights		\$ 32.00	\$ -
11.50	LED strobe beacon lights mounted on top of cab with switch on D-panel		\$ 196.00	\$ -
11.51	LH roof mounted spot light		\$ 71.00	\$ -
11.52	Trucklite LED side marker light		\$ 102.00	\$ -

**12.0 CAB EXTERIOR OPTIONS:**

12.1	Dual electric horns		\$ 6.00	\$ -
12.2	Air horns, dual, round, with snow shields		\$ 95.00	\$ -
12.3	Dual rectangular air horns	1	\$ 72.00	\$ 72.00
12.4	Fender mirrors per Spec 12.4		\$ 133.00	\$ -
12.5	Heated mirrors per Spec 12.5 -West Coast		\$ 104.00	\$ -
12.6	Remote control for R.H. mirror & heated -Bulldog stylized mirrors		\$ 378.00	\$ -
12.7	Remote control for dual mirrors & heated - Bulldog stylized mirrors with integral convex mirror	1	\$ 474.00	\$ 474.00
12.8	Upcharge for cab extension or larger cab			\$ -
12.9	Severe duty aluminum cab option			\$ -
12.10	Dupont Highway orange paint or equal		\$ 31.00	\$ -
12.11	Premium paint color option		\$ 233.00	\$ -
12.12	Imron paint option		STD	
12.13	Imron and clear coat paint option	1	STD	



## VENDOR INSTRUCTIONS

Spec #	Description	Qty	Price	Subtotal
12.14	Top of hood painted flat black		\$ 607.00	\$ -
12.15	Cab Air Ride Suspension	1	STD	
12.16	Tilting hood per Spec 12.8	1	STD	
12.17	Butterfly option on hood		\$ 413.00	\$ -
12.18	Transverse hood opening w/setback axle			\$ -
12.19	Front fender mounted turn signals			\$ -
12.20	Cab visor, external, painted to match cab color	1	\$ 184.00	\$ 184.00
12.21	Front fender extensions	1	\$ 105.00	\$ 105.00
12.22	Front fender mud flaps	1	STD	
12.23	Arctic winter wiper blades		\$ 19.00	\$ -
12.24	Optional windshield washer tank	1	\$ 26.00	\$ 26.00
12.25	Per truck charge for all trucks, key identical		\$ 20.00	\$ -
12.26	RH observation prism window in door		\$ 28.00	\$ -
12.27	Spotlight LH, RH, or roof mounted each		\$ 71.00	\$ -
12.28	Front tow hooks	1	STD	
12.29	Rear tow hooks		\$ 22.00	\$ -
12.30	Per truck charge for all trucks, key identical - 4 keys		\$ 39.00	\$ -
12.31	Heated mirrors per Spec 12.5 -West Coast heated & illuminated		\$ 123.00	\$ -
12.32	Heated mirrors per Spec 12.5 -Bulldog Stylized mirrors w/integral convex mirrors		\$ 272.00	\$ -
12.33	Heated mirrors per Spec 12.5 -Body color aero mirror with integrated convex mirror		\$ (49.00)	\$ -
12.34	Remote control for R.H. mirror & heated -Aerodynamic		\$ 344.00	\$ -
12.35	Hadley/Kam 4-way mirrors with chrome steel - RH motorized & heated		\$ 214.00	\$ -
12.36	Remote control for dual mirrors & heated - Bulldog stylized mirrors illuminated with integral convex mirror		\$ 502.00	\$ -
12.37	Remote control for dual mirrors & heated - Aerodynamic		\$ 444.00	\$ -
12.38	Remote control for dual mirrors & heated - Aerodynamic body color		\$ 134.00	\$ -
12.39	Hadley/Kam 4-way mirrors with chrome steel - RH/LH both motorized & heated		\$ 252.00	\$ -
12.40	RH observation prism window in door		\$ 28.00	\$ -
12.41	Heated electric wiper blades	1	\$ 118.00	\$ 118.00
12.42	Heated windshield	1	\$ 425.00	\$ 425.00
12.43	One piece windshield		\$ 83.00	\$ -
12.44	Tinted windshield and sides w/50% transmittance gray, tinted rear window		\$ 50.00	\$ -
12.45	Bright finish hood intake	1	\$ 16.00	\$ 16.00
12.46	Bright finish bars with surround grille	1	\$ 240.00	\$ 240.00
12.47	Bright finish grille		\$ 32.00	\$ -
12.48	Bullet type chrome marker & clearance lights		\$ 75.00	\$ -
12.49	Led type marker & clearance lights	1	\$ 75.00	\$ 75.00
12.50	RH tool box mounted on frame rail		\$ 221.00	\$ -
12.51	Heated convex mirrors		\$ 34.00	\$ -
12.52	Electronic keyless entry		\$ 130.00	\$ -
12.53	Bright finish RH fender mirror		\$ 67.00	\$ -
12.54	Bus style 1/4 round black finish fender mirrors		\$ 191.00	\$ -
12.55	Stainless steel exterior sun visor		\$ 247.00	\$ -
12.56	Bright Finish hood latches		\$ 89.00	\$ -
12.57	10" round bright finish heated fender mirrors	1	\$ 234.00	\$ 234.00
12.58	Rect convex mirror above RH driver door		\$ 23.00	\$ -



Spec #	Description	Qty	Price	Subtotal
13.0	<b>CAB INTERIOR OPTIONS:</b>			
13.1	<b>Medium grade interior trim package</b>			\$ -
13.2	Sandstone Color with woodgrain instrument panel		\$ 292.00	\$ -
13.3	Sandstone Color with brushed metallic instrument panel		\$ 292.00	\$ -
13.4	Slate Gray Color with woodgrain instrument panel		\$ 292.00	\$ -
13.5	Slate Gray Color with brushed metallic instrument panel	1	\$ 292.00	\$ 292.00
13.6	<b>Premium grade interior trim package includes power window and locks in package</b>			
13.7	Sandstone Color with woodgrain instrument panel		\$ 1,087.00	\$ -
13.8	Sandstone Color with brushed metallic instrument panel		\$ 1,087.00	\$ -
13.9	Slate Gray Color with woodgrain instrument panel		\$ 1,087.00	\$ -
13.10	Slate Gray Color with brushed metallic instrument panel		\$ 1,087.00	\$ -
13.11	Round universal gauge package	1	STD	
13.12	Power window, passenger side		\$ 158.00	\$ -
13.13	Power window/both passenger and driver window	1	\$ 325.00	\$ 325.00
13.14	O.E.M factory installed, AM/FM Premium stereo, CD-Player, Weatherboard, Handfree interface, Bluetooth	1	STD	
13.15	O.E.M factory installed, AM/FM Premium stereo, CD-Player, Weatherband, Handfree interface, Bluetooth, Sirius/XM Satellite		\$ 157.00	\$ -
13.16	Radio accommodation package includes antenna, power supply and two speakers (No radio)		\$ (175.00)	\$ -
13.17	O.E.M factory installed, AM/FM stereo, MP3, Weatherband, Handfree interface, Bluetooth		\$ (45.00)	\$ -
13.18	O.E.M factory installed, air conditioning	1	STD	
13.19	Cab mounted non-resettable hour meter			\$ -
13.20	Dash mounted air cleaner air restriction gauge - (Display in Co-Pilot only)	1	STD	
13.21	Transmission temp gauges	1	STD	
13.22	Windshield defroster fan w/switch dash mounted		\$ 87.00	\$ -
13.23	Between seats mounted console		\$ 308.00	\$ -
13.24	Transmission oil sensor (check & fill)	1	STD	
13.25	CB hot jacks dash mounted		\$ 13.00	\$ -
13.26	Tilt & telescope steering wheel	1	STD	
13.27	Tilt steering wheel			\$ -
13.28	Self canceling turn signals	1	STD	

List seating options for driver and passenger seats. Use as many options as you need to offer seat variations customers have been buying.

13.29	Bostrom Talladega 915 Hi-Back air driver seat		\$ 26.00	\$ -
13.30	Bostrom Talladega 915 wide ride Hi-Back air driver with 4 chamber air lumbar		\$ 181.00	\$ -
13.31	Bostrom Talladega 915 Hi-Back air driver seat and air lumbar support		\$ 137.00	\$ -
13.32	Air-Sears Atlas 70 hi-back driver seat		\$ 246.00	\$ -
13.33	Air-Sears Atlas 70 hi-back driver seat "Premium comfort with height adj. Air lumbar		\$ 301.00	\$ -
13.34	Air-Sears Atlas 80 hi-back driver seat 4 chamber air lumbar	1	\$ 374.00	\$ 374.00
13.35	National 2000 hi-back air driver seat - single chamber air lumbar, 2 position front cushion adjustable		\$ 104.00	\$ -
13.36	National 2000 hi-back air driver seat - three chamber air lumbar, 2 position front cushion adjustable front cushion with adjustable rear cushion		\$ 199.00	\$ -



## VENDOR INSTRUCTIONS

Spec #	Description	Qty	Price	Subtotal
13.37	Mack fixed rider seat mid-back with integral storage compartment		\$ 82.00	\$ -
13.38	Mack fixed rider seat hi-back with integral storage compartment		\$ 106.00	\$ -
13.39	Extended non suspension rider seat with seat belts (2)		\$ 101.00	\$ -
13.40	Mack fixed hi-back rider seat	1	\$ 44.00	\$ 44.00
13.41	Bostrom Talladega 900R mid-back non suspension rider seat		\$ 74.00	\$ -
13.42	Bostrom Talladega 900R hi-back non suspension rider seat		\$ 95.00	\$ -
13.43	Bostrom Talladega 915 mid back air rider seat		\$ 200.00	\$ -
13.44	Bostrom Talladega 915 hi-back air rider seat		\$ 297.00	\$ -
13.45	Bostrom Talladega 915 hi-back air rider seat with air lumbar		\$ 297.00	\$ -
13.46	National 2000 mid-back air rider seat		\$ 214.00	\$ -
13.47	National 2000 hi-back air rider seat		\$ 250.00	\$ -
13.48	Omit rider seat		\$ (40.00)	\$ -
13.49	Inboard mounted driver arm rest	1	\$ -	\$ -
13.50	Inboard mounted rider arm rest - Air Ride Seat Only		\$ -	\$ -
13.51	Cloth with vinyl driver & rider seat	1	\$ -	\$ -
13.52	Driver seat dust cover		\$ -	\$ -
13.53	Passenger seat dust cover - Not Available with fix passenger seat		\$ -	\$ -
13.54	All ultra leather drive and ride set		\$ 95.00	\$ -
13.55	Orange driver & rider seat belt		\$ 76.00	\$ -
13.56	Light & buzzer for seat belt		\$ 35.00	\$ -
13.57	Push button type starter		\$ 13.00	\$ -
13.58	Diagonal grab handle on inside of driver door	1	\$ 35.00	\$ 35.00
13.59	Co-pilot driver display (enhanced 4.5" diagonal graphic LCD display w/4-button stalk control - includes guard dog routine maintenance monitoring	1	STD	
13.60	Roadwatch ambient air temp gauge for outside and road temps - requires aero-dynamic mirrors		\$ 648.00	\$ -
13.61	Roadwatch ambient air temp gauge for outside and road temps without display - includes cable to D panel with 6" extra wire		\$ 967.00	\$ -
13.62	Roadwatch ambient air temp gauge for outside and road temps with display on dash panel		\$ 1,081.00	\$ -
13.63	5lb fire extinguisher between LH seat base and door with valve aimed rearward	1	\$ 66.00	\$ 66.00
13.64	Reflector kit parallel to inside of rider base seat	1	\$ 27.00	\$ 27.00
13.65	Air conditioning blend air HVAC with ATC temp regulation		\$ 81.00	\$ -
13.66	Air conditioning blend air HVAC with ATC temp regulation & APADS		\$ 226.00	\$ -
13.67	Air conditioning with air conditioning protection & diagnostic system (APADS)		\$ 132.00	\$ -
13.68	Cab cleanout - includes in cab pneumatic line		\$ 46.00	\$ -
13.69	40 Channel CB Radio, 10 channel weather		\$ 205.00	\$ -
13.70	48" Radio antenna right side mirror mounted		\$ 4.00	\$ -
13.71	48"CB Antenna left side mirror mounted		\$ 38.00	\$ -
13.72	CB hot jacks mounted on the dash and in header console		\$ 17.00	\$ -
13.73	CB mounting in console & external speakers		\$ 107.00	\$ -
13.74	Auto shutoff for radio when truck is in reverse		\$ 47.00	\$ -
13.75	Exhaust pyrometer & transmission oil temperature gauges		STD	
13.76	Exhaust pyrometer, transmission oil temperature, manifold pressure and air application gauges	1	\$ 75.00	\$ 75.00
13.77	Exhaust pyrometer, transmission oil temperature, manifold pressure and air application gauges, Air Suspension		\$ 100.00	\$ -
13.78	Rear Axle temperature gauge		\$ 91.00	\$ -
13.79	Red floor lighting w/switch plus (4) door lamps w/switches	1	\$ 103.00	\$ 103.00

AMENDMENT #1 FOR 2019 MODELS TA



Spec #	Description	Qty	Price	Subtotal
13.80	Interior storage console mounted on floor between seats w/12 volt power outlet		\$ 308.00	\$ -
13.81	Bodybuilder interior console mounted to floor between seats		\$ 209.00	\$ -

**14.0 MN/DOT OPTIONS:**

14.10	Additional warranty coverage per spec 12.9			\$ -
14.20	Engine Plan 1 60 months 250,000 miles		\$ 1,200.00	\$ -
14.30	Engine Plan 1 72 months 250,000 miles		\$ 2,200.00	\$ -
14.40	Engine Plan 1 84 months 250,000 miles		\$ 2,520.00	\$ -
14.50	Engine Plan 1 60 months 250,000 miles - HP over 460 horses		\$ 2,000.00	\$ -
14.60	Engine Plan 1 72 months 250,000 miles - HP over 460 horses		\$ 3,300.00	\$ -
14.70	Engine Plan 1 84 months 250,000 miles - HP over 460 horses		\$ 3,800.00	\$ -
14.80	Engine Plan 2 60 months 250,000 miles		\$ 1,900.00	\$ -
14.90	Engine Plan 2 72 months 250,000 miles		\$ 3,800.00	\$ -
14.10	Engine Plan 2 84 months 250,000 miles	1	\$ 4,300.00	\$ 4,300.00
14.11	Engine Plan 2 60 months 250,000 miles - HP over 460 horses		\$ 2,950.00	\$ -
14.12	Engine Plan 2 72 months 250,000 miles - HP over 460 horses		\$ 5,675.00	\$ -
14.13	Engine Plan 2 84 months 250,000 miles - HP over 460 horses		\$ 6,450.00	\$ -
14.14	Engine after-treatment systems (EATS) 60 months 250,000 miles		\$ 675.00	\$ -
14.15	Engine after-treatment systems (EATS) 72 months 250,000 miles		\$ 825.00	\$ -
14.16	Engine after-treatment systems (EATS) 84 months 250,000 miles		\$ 950.00	\$ -
14.17	M-Drive Transmission 48 months 500,000 miles		\$ 971.00	\$ -
14.18	M-Drive Transmission 60 months 500,000 miles		\$ 2,067.00	\$ -
14.19	M-Drive HD Transmission 48 months 250,000 miles		\$ 775.00	\$ -
14.20	M-Drive HD Transmission 60 months 250,000 miles		\$ 1,150.00	\$ -
14.21	M-Drive Clutch 48 months 250,000		\$ 395.00	\$ -
14.22	M-Drive Clutch 60 months 250,000		\$ 695.00	\$ -
14.23	HVAC (Air Conditioning) 60 months		\$ 600.00	\$ -
14.24	Starter 60 months 300,000 miles		\$ 203.00	\$ -
14.25	Alternator 60 months 300,000 miles		\$ 231.00	\$ -
14.26	Starter & Alternator 60 months 300,000 miles		\$ 315.00	\$ -

**For Prebuild and Pilot meets See RFP special Terms and conditions**

14.27	Prebuild specification meeting (per person) to be held in St. Paul/Minneapolis area.		\$ 1.00	\$ -
14.28	Pilot inspection meeting (per person).		\$ 900.00	\$ -

**15.0 TRAILER TOW OPTIONS:**

15.1	Trailer tow package extended to rear of frame	1	\$ 317.00	\$ 317.00
15.2	Trailer package extend to rear of frame per Spec 12.12		\$ 417.00	\$ -
15.3	Single 7 pin SAE type, end of frame	1	\$ 117.00	\$ 117.00
15.4	Dual 7 pins standard SAE type, end of frame (1) for trailer with electric brakes, (1) for trailer with air brakes		\$ 158.00	\$ -
15.5	Hand control valve for trailer brakes	1	\$ 47.00	\$ 47.00

**16.0 MANUALS / TRADE-IN INTEREST FEE:**



Spec #	Description	Qty	Price	Subtotal
16.1	Percent interest per month (non-compounding) on unpaid cab & chassis balance. Applies only to CPV Members. (Payable after trade-in is delivered to vendor). Percentage/per month. <b>SEE Special Terms and Conditions re interest to State agencies.</b>		\$ 1.50	\$ -
16.2	Manuals in print form, parts repair and service, per set		\$ 900.00	\$ -
16.3	Manuals in CD form, parts repair and service, per set		\$ 500.00	\$ -
16.4	Premium Tech Tool		\$ 3,200.00	\$ -
17.0	<b>Delivery Charges:</b> Price per loaded mile Starting Point			
17.1	Roseville, MN 55113		\$ 2.00	\$ -
18.0	<b>Maintence/ Body Shop Labor Rates Per Hour</b>			
18.1	Rate for Initial Inspection/Diagnostoce		\$ 148.00	\$ -
18.2	Rate for Mechanical Work		\$ 148.00	\$ -
18.3	Rate for Body Work		\$ 148.00	\$ -
19.0	<b>Quantity Discounts:</b> Enter the number of units that must be purchased and the corresponding discount offered to the purchaser. More than one quantity discount may be entered.			
19.1	Material surcharge	1	\$ 1,500.00	\$ 1,500.00
19.2	2.25% 2020 model year increase	1	\$ 1,961.00	\$ 1,961.00

**Total Cost:** \$ 127,618.00





TOWMASTER, 61381 US HWY 12, LITCHFIELD, MN 55355  
PH: 320-693-7900 FX: 320-693-7921 TF: 800-462-4517  
TOWMASTERTRUCK.COM

Reference No.

QT 34646

**\*\* QUOTATION \*\***

Ship To:	Cust:	3538	Phone:	Bill To:	Phone:
LAKE ELMO, CITY OF				LAKE ELMO, CITY OF	
3880 LAVERNE AVE NORTH				3880 LAVERNE AVE NORTH	
LAKE ELMO	MN 55042	USA		LAKE ELMO	MN 55042 USA

ATTN: ROB WELDON

PO#	Salesman	Terms	Created	Last Revised	Appx Comp
	TIM ERICKSON	NET 30 DAYS	12/27/18	2/28/19	0/00/00

Serial No.

Build Instructions F.O.B. LITCHFIELD, MN -OR- CUSTOMER LOCATION W/FUEL CHARGES

Other Instructions \*\*STATE OF MN CONTRACT #144750 - - VALID THRU 3/31/2019\*\*

Qty	Part No.	Description	Price Ea.	Net Amt.
1	9900140	- Body 14'6" EDGE-RS/CS-56-46-46 - - 56" 7ga Stainless Front w/CS hoist doghouse, 46" 7ga Stainless radius sides (no pockets), 46" 7ga Stainless w/Hardox 450 face Tailgate, 1/4" Hardox-450 Floor, 8" I-Beam Longsills, Air-trip ready linkage, Underside Black	\$13,903.00	\$13,903.00
1	9901701	- Installation of Dump Body to hoist	\$1,315.00	\$1,315.00
1	9900145	- Body acc'y TMTE Air trip kit, w/solenoid valve,	\$297.00	\$297.00
1	9901702	- Installation of air operated tailgate latch kit, with solenoid valve in hydraulic valve enclosure.	\$273.00	\$273.00
1	9900147	- Body acc Box Vibrator - Cougar model DC3200	\$641.00	\$641.00
1	9901703	- Installation of Box Vibrator, with solenoid located in hydraulic valve enclosure.	\$319.00	\$319.00
1	9900156	- Cabshield, 1/2 type Stationary Free-Standing style,w/plain STAINLESS STEEL canopy, Hot-Dipped Galvanized tubing construction support stand, Slotted Center Viewing Window, (2) shovel holders, & reservoir mounts, Installed.	\$2,214.00	\$2,214.00
1	9900207	- Ladder Flip-A-Way Access ladder (STAINLESS STEEL) Including Grab Handle above, and Interior Step, ea, Installed SPECIFY LOCATION HERE: LH Front area	\$427.00	\$427.00
2	9900211	- Body acc'y Dual "split" sander manifolds in rear corner posts **NOTE: Dual spinner sander application	\$305.00	\$610.00

\*--- Continued ---\*

Accepted by

Date

Price:

Total Discounts:

Net Cost:

Freight

Total:





TOWMASTER, 61381 US HWY 12, LITCHFIELD, MN 55355  
PH: 320-693-7900 FX: 320-693-7921 TF: 800-462-4517  
TOWMASTERTRUCK.COM

Reference No.  
QT 34646

**\*\* QUOTATION \*\***

<b>Ship To:</b>	<b>Cust:</b>	<b>3538</b>	<b>Phone:</b>	<b>Bill To:</b>	<b>Phone:</b>
LAKE ELMO, CITY OF				LAKE ELMO, CITY OF	
3880 LAVERNE AVE NORTH				3880 LAVERNE AVE NORTH	
LAKE ELMO		MN 55042	USA	LAKE ELMO	MN 55042 USA

ATTN: ROB WELDON

PO#	Salesman	Terms	Created	Last Revised	Appx Comp
	TIM ERICKSON	NET 30 DAYS	12/27/18	2/28/19	0/00/00

Serial No.

Qty	Part No.	Description	Price Ea.	Net Amt.
1	9904963	- Light Warning TMTE1SSM-3 PKG: 1/2 A 1/2 B, (2) SS 23H	\$4,138.00	\$4,138.00
		3-light LED Micro-Edge, 2) 5M-400 Super-LED, (2) Side TIR3 LED, (2		
		) 400 Max B-T-T LED, & (2) 400 LED BU Lights, in Stainless M		
		Housings, (1) TIR3 LED Wing light, and (2) 4" LED work lights		
		Installed		
1	9900244	- Light Mirror mt HOH plow light pkg INSTALLED	\$698.00	\$698.00
1	9905778	- ABL 3800 LED HEAD LAMP PLOW LIGHTS W/ICE MELTING TECHNOLOGY	\$325.00	\$325.00
		IN LIEU OF STANDARD		
1	9902519	- Light WHELEN MICRO PIONEER spot light, Installed	\$523.00	\$523.00
		**NOTE: Forward Facing on RH Cabshield Strobe Tube, for FOG LINE		
		applicatio		
1	9900259	- Light acc'y LED work light with disconnect Installed	\$394.00	\$394.00
		**NOTE: RH Sander Spinner Work Light Application		
1	9900267	- Fender set Minimizer M400, for Tandem Axle, black Poly,	\$1,163.00	\$1,163.00
		Installed		
1	1965280	- Minimizer FKMACK2B Floor Mat Set for TDM and SGL	\$112.00	\$112.00
1	9900283	- Spillshield 12" bolt-on, bolt-together, 1/4", painted	\$476.00	\$476.00
		Carbon Steel & fitted to body via sander brkts, shipped loose		
1	9900292	- Tool Box PRO-TECH Alum 22" x 20" x 12" tool box & Brackets	\$769.00	\$769.00
		Installed (no step)		
1	9904691	- INSTALLATION of Single camera system	\$273.00	\$273.00
		**NOTE: For Wing Operation		

\*--- Continued ---\*

Accepted by

Date

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Net Cost:

Freight

Total:





TOWMASTER, 61381 US HWY 12, LITCHFIELD, MN 55355  
PH: 320-693-7900 FX: 320-693-7921 TF: 800-462-4517  
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QT 34646

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LAKE ELMO, CITY OF				LAKE ELMO, CITY OF	
3880 LAVERNE AVE NORTH				3880 LAVERNE AVE NORTH	
LAKE ELMO		MN 55042	USA	LAKE ELMO	MN 55042 USA

ATTN: ROB WELDON

PO#	Salesman	Terms	Created	Last Revised	Appx Comp
	TIM ERICKSON	NET 30 DAYS	12/27/18	2/28/19	0/00/00

Serial No.	
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Qty	Part No.	Description	Price Ea.	Net Amt.
2	9904692	Camera System option, NORTECH 9100-2HC 120 degree night vision CCD weather-proof HEATED camera, only	\$163.00	\$326.00
2	9904693	Camera System option, NORTECH 9100-4 Harness, 65' Waterproof	\$41.00	\$82.00
1	9904694	INSTALLATION of extra Camera, & Harness	\$91.00	\$91.00
		**NOTE: FOR REVERSE VIEWING, QURD TO REVERSE SIGNAL. MOUNTED ON LH REAR CORNERPOST (STREET SIDE).		
1	1941405	Camera Guard, SS, Bolt-On	\$58.00	\$58.00
1	9905502	PreCise ARC Sensor Mount #1126929, only	\$40.00	\$40.00
1	9905835	PreCise ARC Sensor #1117640, only, for Wireless GEN 5 CONTROLLER Applications (LESS MTG BRKT), installed	\$556.00	\$556.00
1	9900297	Pre-Wet Towmaster/Varitech LDS-TMR-190-EGF Body Side Mt Sys for Elliptical body. (2) 95 gal tanks, mtg hardware, plumbi	\$3,362.00	\$3,362.00
1	9902483	Installation of TMR pre-wet system (New Towmaster Body)	\$865.00	\$865.00
1	9903688	PREWET DUAL SPINNER KIT INSTALLED	\$604.00	\$604.00
1	9900317	Hoist Towmaster/MAILHOT CS130-5.5-3 DOUBLE ACTING	\$2,876.00	\$2,876.00
1	9901711	Installation of Telescopic DOUBLE acting hoist	\$1,314.00	\$1,314.00
1	9900311	Hoist TMTE 48" Stabilizer	\$1,408.00	\$1,408.00
1	9902503	Installation of TMTE Stabilizer & Safety Props	\$410.00	\$410.00
1	9902924	Scraper FALLS IB-10A 1" MB, w/single lift cylinder W/12" bolt-on extension (11' total), LESS CUTTING EDGES	\$7,090.00	\$7,090.00

\*--- Continued ---\*

Accepted by

Date

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PH: 320-693-7900 FX: 320-693-7921 TF: 800-462-4517  
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Reference No.

QT 34646

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LAKE ELMO, CITY OF				LAKE ELMO, CITY OF	
3880 LAVERNE AVE NORTH				3880 LAVERNE AVE NORTH	
LAKE ELMO		MN 55042	USA	LAKE ELMO	MN 55042 USA

ATTN: ROB WELDON

PO#	Salesman	Terms	Created	Last Revised	Appx Comp
	TIM ERICKSON	NET 30 DAYS	12/27/18	2/28/19	0/00/00

Serial No.

1 9903276 - VBL PolarFlex 3' Underchassis Complete System (includes bolts & nuts)	\$658.00	\$658.00
2 9903277 - VBL PolarFlex 4' Underchassis Complete System (includes bolts & nuts)	\$877.00	\$1,754.00
1 9901705 - Installation of underbody fixed angle scraper w/single lift cylinder	\$2,590.00	\$2,590.00
1 9904232 - Scraper FORCE Up Charge Electric pressure transmitter to read on LCD screen installed	\$480.00	\$480.00
1 9900351 - Scraper FORCE reverse/Auto-Lift system, ADD-A-FOLD valve, installed	\$466.00	\$466.00
1 9902948 - Wing Falls RHSDL10A-HYDPB Primed LESS CUTTING EDGES	\$10,217.00	\$10,217.00
1 9902856 - VBL 3/4" x 6" - 10' Carbon Steel Snow Blade	\$180.00	\$180.00
1 9900388 - Installation Falls SDL Series Wing - w/Bulkhead Couplers	\$4,117.00	\$4,117.00
1 9901431 - Wing Falls RL (REAR LIFT) up charge SDL WING	\$433.00	\$433.00
1 9904688 - Wing Falls POST-LESS Toe Lift in lieu of Std Front post/slide system		
1 9900479 - Wing Falls Gloss Black - Paint Moldboard	\$309.00	\$309.00
1 9900555 - Plow Hitch Falls 44XB2/STD/STD/SA/SPR-RET/HITCH	\$3,013.00	\$3,013.00
1 9900589 - Installation Falls Plow Hitch - 40 Series 3Line/STDBLKHD	\$1,745.00	\$1,745.00

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Accepted by

Date

Price:

Total Discounts:

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Freight

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TOWMASTER, 61381 US HWY 12, LITCHFIELD, MN 55355  
PH: 320-693-7900 FX: 320-693-7921 TF: 800-462-4517  
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Reference No.

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LAKE ELMO, CITY OF				LAKE ELMO, CITY OF	
3880 LAVERNE AVE NORTH				3880 LAVERNE AVE NORTH	
LAKE ELMO		MN 55042	USA	LAKE ELMO	
					MN 55042 USA

ATTN: ROB WELDON

PO#	Salesman	Terms	Created	Last Revised	Appx Comp
	TIM ERICKSON	NET 30 DAYS	12/27/18	2/28/19	0/00/00
Serial No.					

1 9903074 - Plow Falls Poly PTE-1248/TRP-EDG/NOSHU/POLY-BLK Plow LESS CUTTING EDGES	\$9,152.00	\$9,152.00
1 9902858 - VBL 3/4" x 6" - 12' Carbon Steel Snow Blade **NOTE: Plow Application	\$216.00	\$216.00
1 9900625 - Plow Push Unit Falls 24/44 Series Std	\$882.00	\$882.00
1 9900637 - Plow Falls High Visibility Marker Set	\$97.00	\$97.00
1 9900639 - Plow Falls Rubber Belt Deflector Kit - Installed	\$336.00	\$336.00
1 9900641 - Plow Falls Parking Stand - Screw Adj Style	\$304.00	\$304.00
1 9900757 - Hitch TMTE Heavy Duty plate assembly,	\$281.00	\$281.00
1 9901716 - Hitch Installation of Pup Hitch (weld in style) **NOTE: Includes transfer of OEM electrical socket & Air Glad Hands to plate if existing on truck chassis.	\$728.00	\$728.00
1 9900764 - Hitch PREMIER 2300 Air Cushion Pintle, installed	\$749.00	\$749.00
1 9900996 - Sander Falls 1ASD-6CDSS-6P-1D-2S-LM Salt Special 6", Stainless Steel Unit, LH & RH Discharge, Dual Poly Spinner Ass'y, w/uni-directional reversible auger (includes extra salt shield)	\$5,781.00	\$5,781.00
1 9901722 - Sander Install dual spinner w/uni-directional reversible auger & dual manifolds RH & LH rear	\$1,104.00	\$1,104.00
1 9900814 - Sander Falls Stainless Steel (optional) salt shield **NOTE: For RH outlet	\$195.00	\$195.00

\*--- Continued ---\*

Accepted by

Date

Price:

Total Discounts:

Net Cost:

Freight

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LAKE ELMO		MN 55042	USA	LAKE ELMO	MN 55042 USA

ATTN: ROB WELDON

PO#	Salesman	Terms	Created	Last Revised	Appx Comp
	TIM BRICKSON	NET 30 DAYS	12/27/18	2/28/19	0/00/00

Serial No.

Qty	Part No.	Description	Price Ea.	Net Amt.
1	9900823	- Sander TMTE Exterior (removable) sander/tailgate spill plates, Stainless Steel	\$374.00	\$374.00
1	1921318	- Sander Swenson STCC Cross-Conveyor with light bar	\$7,361.00	\$7,361.00
1	9901728	- Sander Install Cross Conveyor	\$1,210.00	\$1,210.00
1	9900851	- Valve System, Force Add-A-Fold MCV-ISO Valve 9 Functions , INSTALLED	\$10,462.00	\$10,462.00
		**NOTE: Box Hoist, Plow Lift, Plow Angle, Wing Toe, Wing Heel, Wing Push-Bar, Scraper Lift, Auger R/L, Spinner R/L		
1	9902497	- Control System Force ULTRA-4-6100 Commander control, Installed	\$10,911.00	\$10,911.00
1	9900874	- Filter Force IN-TANK mounted filter installed	\$452.00	\$452.00
1	9900882	- Reservoir TMTE Cabshield mt (stainless steel) w/intank filter provision, installed	\$2,571.00	\$2,571.00
1	9900888	- Pump Force FASD45L LS (6 ci) installed	\$3,670.00	\$3,670.00
1	9900871	- Switch TMTE BODY UP Installed (electric controls only)	\$182.00	\$182.00
1	9900884	- Sensor Force Low oil indicator system, SLIM-LINE AND CABSHIELD MOUNTED w/light mounted in cab, installed	\$220.00	\$220.00
1	WARRANTY - TOWMASTER EXCLUSIVE WARRANTY: 5 yr Steel/Stainless Steel Body Structure; 5 yr Whelen LED Light Systems; 3 yr Palfinger Hoists; 4 yr SwapLoader Hoists; 2 yr Hyd, Snow Equip, Tele Hoists, and all otheroists; 4 yr SwapLoader Hoists; 2 yr Hyd, Snow Equip,			

\*--- Continued ---\*

Accepted by

Date

Price:

Total Discounts:

Net Cost:

Freight

Total:





TOWMASTER, 61381 US HWY 12, LITCHFIELD, MN 55355  
PH: 320-693-7900 FX: 320-693-7921 TF: 800-462-4517  
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Reference No.

QT 34646

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<b>Ship To:</b>	<b>Cust:</b>	<b>3538</b>	<b>Phone:</b>	<b>Bill To:</b>	<b>Phone:</b>
LAKE ELMO, CITY OF				LAKE ELMO, CITY OF	
3880 LAVERNE AVE NORTH				3880 LAVERNE AVE NORTH	
LAKE ELMO		MN 55042	USA	LAKE ELMO	MN 55042 USA

ATTN: ROB WELDON

PO#	Salesman	Terms	Created	Last Revised	Appx Comp
	TIM ERICKSON	NET 30 DAYS	12/27/18	2/28/19	0/00/00

Serial No.

Tele Hoists, and all other items

Accepted by

Date

Price: \$131,152.00

Total Discounts:

Net Cost: \$131,152.00

Freight

Total: \$131,152.00



### Truck accident of March 15, 2002

Mike Buckles started plowing at 3:30 AM, the accident happened about 6:30 AM. Mike called myself on the two-way radio and informed me of the accident. Mike said he would need a tow out of the ditch. Rick was the closes unit at the time and assisted Mike in getting the truck out. Mike then drove the truck back to the shop to remove the damaged wing in hopes of continuing plowing with the front plow and underbody plow. After removing the wing however it was discovered that the truck was damaged more than originally thought. The transmission was damaged and the truck was not useable. After talking to the City administrator the truck was towed to Lakeland Ford for repairs. The transmission was sent out to be checked for damage. Interstate Diesel put the transmission on the dyno and found that internal parts had been damaged and rebuilding was necessary. The transmission was rebuilt and returned to Lakeland Ford. When the transmission was being installed into the truck is when the frame rails were discovered to be bent. The insurance company sent an independent adjuster to Lakeland Ford to look the situation over. Lakeland Ford's recommendation was to replace the frame rails with new ones however the insurance company felt that was to expensive and wanted to straighten the bent rails. I expressed my concerns as the City is planning to keep this truck for 8 more years. The insurance people assured me it would be all right. The work was completed and the truck has been returned to the City and in my opinion it is not acceptable and will be returned for further repairs.

The replacement parts to repair the wing plow have been ordered and I will install them went they arrive.

DAN OLINGER