

Bid Tabulation - PA Turnpike Commission				Winter Equipment Company, Inc Willoughby, OH 1010			
Bid	166000-2019						
	7/22/2019						
Material	Primary Mfg Part Number	Description	Estimated Quantity (1-year usage)	Lead Time (days or weeks)	Vendor Product Number	Unit Price	Estimated Total Price
31	2038043 KENNAMETAL	BLADE SAVER, CENTER, ISOLATED CARBIDE 1 IN. X 6 IN. X 21 IN., STANDARD HIGHWAY PUNCHING 4 HOLES 1.72 IN. FROM TOP, CARBIDE CYLINDRICAL DESIGN INSERTS, BLADE SHALL BE FLAT HOT-ROLLED FINISHED STEEL TO MEET OR EXCEED SPECIFICATIONS FOR A36 OR 1020 TYPE STEELS. PUNCHING SHALL BE 11/16-IN. SQUARE HOLES WITH COUNTER-SINK OF 80 TO 82 DEGREES .120 MINIMUM DEPTH TO .180 INCH MAXIMUM DEPTH ON BOTH SIDES OF BLADE TO RECEIVE 5/8-IN. DIAMETER PLOW BOLTS. THE CARBIDE INSERTS SHALL BE A HIGH SHOCK WC GRADE OF TUNGSTEN CARBIDE WITH 10-1/2 TO 12-1/2 % COBALT CONTENT, 13.9 MINIMUM TO 14.6 MAXIMUM DENSITY, 86.8 MINIMUM TO 89.2 MAXIMUM HARDNESS. THE INSERTS SHALL BE CYLINDRICAL DESIGN WITH A DOME-SHAPED END OF THE FOLLOWING DIMENSIONS: HEIGHT: .753 IN. +/--.007, DIAMETER: .523 IN. +/--.004, BOTTOM ANGLE: 25 DEGREES WITH A NOSE RADIUS OF 1/16 IN. MINIMUM. THE INSERTS SHALL BE POSITIONED IN HOLES DRILLED IN THE CENTER OF THE THICKNESS OF THE BLADE AND SHALL BE SPACED .75 IN. CENTER TO CENTER ALONG THE ENTIRE LENGTH OF THE CUTTING EDGE SECTION. THE INSERTS SHALL BE BRAZED ON ALL SIDES CONSISTENT WITH SOUND BRAZING PRACTICE WITH NO EVIDENCE OF VOIDS IN THE BRAZE JOINT. THE BLADES SHALL BE PAINTED ON BOTH SIDES AND ALL EDGES WITH YELLOW PAINT (REF: PRUETT- SCHAFFER CHEMICAL CO. PRODUCT CODE 20-14), 2 MILS MINIMUM THICKNESS. AS PER ATTACHED DRAWING DATED MARCH 2009.	137 EA	14-21 Days	PS6412D WINTER EQUIPMENT	\$93.65	\$12,830.05
40	PB30495 JOMA	PLOW BOLT, 5/8 IN. X 11 THREAD X 4 IN., GRADE 8, #3 DOME HEAD TO CONFORM TO SAE J 429 AND AMERICAN STAN- DARD B18.9-1958, TENSILE STRENGTH 150,000 PSI. AS PER ATTACHED DRAWING DATED MARCH 2009.	1,600 EA	14 Days	PB30495 WINTER EQUIPMENT	\$1.29	\$2,064.00
41	PB30465 WINTER EQUIPMENT	PLOW BOLT, 5/8 IN. X 11 THREAD X 2 IN., GRADE 8, #3 DOME HEAD TO CONFORM TO SAE J 429 AND AMERICAN STAN- DARD B18.9-1958, TENSILE STRENGTH 150,000 PSI. AS PER ATTACHED DRAWING DATED MARCH 2009.	250 EA	14 Days	PB30465 WINTER EQUIPMENT	\$0.55	\$137.50
42	PB30485 WINTER EQUIPMENT	PLOW BOLT, 5/8 IN. X 11 THREAD X 3 IN., GRADE 8, #3 DOME HEAD TO CONFORM TO SAE J 429 AND AMERICAN STAN- DARD B18.9-1958, TENSILE STRENGTH 150,000 PSI. AS PER ATTACHED DRAWING DATED MARCH 2009.	950 EA	14 Days	PB30485 WINTER EQUIPMENT	\$0.91	\$864.50
43	PB30505 WINTER EQUIPMENT	PLOW BOLT, 5/8 IN. X 11 THREAD X 5 IN., GRADE 8, #3 DOME HEAD TO CONFORM TO SAE J 429 AND AMERICAN STAN- DARD B18.9-1958, TENSILE STRENGTH 150,000 PSI. AS PER ATTACHED DRAWING DATED MARCH 2009.	140 EA	14 Days	PB30505 WINTER EQUIPMENT	\$1.37	\$191.80
45	SN580 IRONHAWK	NUT, LOCK, HEX, 5/8 IN. X 11 THREAD, STOVER, GRADE 8, ZINC PLATED AND WAXED FOR PLOW BLADE BOLT, PACKAGE OF 100 EACH, AS PER ATTACHED DRAWING DATED MARCH 2009.	4,000 EA	14 Days	SN10510 WINTER EQUIPMENT	\$0.22	\$880.00
52	1012483 KENNAMETAL	WEAR SHOE WITH CARBIDE INSERT, 1-1/2 IN. X 5-3/4 IN. X 13-3/4 IN., STANDARD HIGHWAY PUNCHING, STANDARD HOLE SPACING, 6 IN. CENTERS, PUNCHING SHALL BE 11/16 IN. SQUARE HOLES WITH COUNTERSINK OF 80 TO 82 DEGREES, .120 IN. MINIMUM DEPTH TO .180 IN. MAXIMUM DEPTH. AS PER ATTACHED DRAWING DATED 01/08/2016.	10 EA	14-21 Days	FS70531C WINTER EQUIPMENT	\$142.32	\$1,423.20
1679	OR-631 VALK	PIN, EYE CONNECTOR, SWIVEL EYE BAR.	20 EA				
1680	OR-632 VALK	PIN, LATCH CONNECTOR, SWIVEL 2 IN. EYE BAR.	20 EA				
1681	1308005 BUYERS PRODUCTS	GUIDE, ASSEMBLY, TO CONSIST OF 2 EACH 24 IN., SAFETY ORANGE, FIBERGLASS GUIDES WITH MOUNTING HARDWARE (2 BRACKETS, 2 EACH 1/4 IN. X 1-1/4 IN. CAP SCREWS AND 2 EACH 1/4 IN. LOCKNUTS). WITH 3/8 IN. STEEL REINFORCED CABLE.	80 EA				
1684	O-666 VALK	SPRING, PLOW RAM, O-666 VALK.	5 EA				
1685	O-668 VALK	SPRING, PLOW (SM), O-668 VALK.	5 EA				
1686	OR638-1 (3 HOLE) VALK	BUTT, SEMI-CIRCLE MOLDBOARD HINGE, RIGHT OR LEFT, 3- HOLE.	10 EA				
1687	O-670 VALK	ROD, TENSION 2 IN., O-670 VALK.	5 EA				
1688	OR-634 VALK	PIN, SEMI CIRCLE LOCK, OR-634 VALK.	10 EA				
1689	OR-649 VALK	SHACKLE W/BOLT, NUT, COTTER PIN, 1/2 IN., 4,000 LB WORKING LOAD LIMIT, OR-649 VALK.	50 EA				
1691	O-674 VALK	SPRING, RECOIL CYLINDER, VALK PLOW.	20 EA				
1692	O-672 VALK	CONNECTOR, ROD T.	5 EA				
1694	O-676 VALK	RING, SEPARATOR FOR VALK PLOW WITH LARGE (2 IN) TRIP CYLINDER (SAP 1701).	5 EA				
1695	O-681 VALK	TUBE, INSIDE ASSEMBLY, FOR VALK V610 PLOW.	5 EA				
1696	OR-646 VALK	PIN, HINGE, SEMI CIRCLE.	15 EA				
1701	O-664 VALK	TRIP CYLINDER ASSEMBLY, 8-5/8 IN. OUTSIDE DIAMETER, FOR V600 AND 700 SERIES VALK PLOW, 712, 721 AND 721B.	5 EA				
1702	R665 VALK	TRIP CYLINDER ASSEMBLY, 6 IN. OUTSIDE DIAMETER, VALK POWER ANGLE AND MODEL 731 PLOWS.	10 EA				
1704	R-677 VALK	RING, SEPARATOR, FOR VALK RVS SERIES PLOW WITH SMALL (1-1/2 IN) TRIP CYLINDER (SAP 1702).	5 EA				
1705	R-673 VALK	TEE, CONNECTOR, FOR VALK RVS SERIES PLOW.	5 EA				
1706	HY-410D.A. VALK	CYLINDER, ANGLE, DOUBLE ACTING, FOR VALK RVS SERIES PLOW.	10 EA				
1707	R-667 VALK	SPRING, OUTER, 5-1/2 IN. O.D., FOR 6 IN. VALK TRIP CYLINDER RVS SERIES PLOW.	5 EA				
1708	R-669 VALK	SPRING, INNER, 3-1/4 IN. O.D., FOR 6 IN. VALK TRIP CYLINDER RVS SERIES PLOW.	5 EA				
9481	R-671 VALK	TENSION ROD, 1-1/2 IN. O.D. FOR USE IN R-665 6 IN. TRIP CYLINDER.	10 EA				
9960	5/8X6X144 VALK	BLADE, SNOW PLOW, 5/8 IN. X 6 IN. X 144 IN., STANDARD HIGHWAY PUNCH 14 HOLES, 1-1/2 IN. FROM TOP, PUNCHING SHALL BE 11/16 IN. SQUARE HOLES CARBON STEEL, AISI 1074, ROCKWELL HARDNESS RANGE OF C-22 TO C-30 EACH BLADE SHALL BE ETCHED, PUNCHED OR STAMPED ON THE UPPER RIGHT-HAND CORNER WITH DATE OF MANUFACTURE AND MANUFACTURER'S NAME, AS PER ATTACHED DRAWING DATED MARCH 2010.	30 EA	28 Days	PBA5614454 BLACK CAT	\$100.10	\$3,003.00
9961	5/8X6X120 VALK	BLADE, SNOW PLOW, 5/8 IN. X 6 IN. X 120 IN., STANDARD HIGHWAY PUNCH 12 HOLES, 1-1/2 IN. FROM TOP, PUNCHING SHALL BE 11/16 IN. SQUARE HOLES, CARBON STEEL, AISI 1074, ROCKWELL HARDNESS RANGE OF C-22 TO C-30 EACH BLADE SHALL BE ETCHED, PUNCHED OR STAMPED IN THE UPPER RIGHT-HAND CORNER WITH DATE OF MANUFACTURE AND MANUFACTURER'S NAME, AS PER ATTACHED DRAWING DATED MARCH 2010.	15 EA	28 Days	PBA5612054 BLACK CAT	\$83.41	\$1,251.15
9962	5/8X6/132 VALK	BLADE, SNOW PLOW, 5/8 IN. X 6 IN. X 132 IN., STANDARD HIGHWAY PUNCH 13 HOLES, 1-1/2 IN. FROM TOP, PUNCHING SHALL BE 11/16 IN. SQUARE HOLES, CARBON STEEL, AISI 1074, ROCKWELL HARDNESS RANGE OF C-22 TO C-30, EACH BLADE SHALL BE ETCHED, PUNCHED OR STAMPED IN THE UPPER RIGHT-HAND CORNER WITH DATE OF MANUFACTURE AND MANUFACTURER'S NAME. AS PER ATTACHED DRAWING DATED MARCH 2010.	15 EA	28 Days	PBA5813254 BLACK CAT	\$122.89	\$1,843.35
10023	PA781 VALK	TUBE, INSIDE ASSEMBLY, FOR VALK MODEL 731 PLOW, FITS IN TRIP CYLINDER R665 VALK.	5 EA				
10185	44997 WESTERN	BLADE, COVER AND CUTTING, 1/2 IN. X 6 IN. X 40-3/4 IN.	10 EA	28 Days	WES 44884 BLACK CAT Same as WES 44997	\$42.71	\$427.10
10186	44890 WESTERN	BLADE, CENTER CUTTING EDGE, PASSENGER SIDE.	5 EA	90-120 Days	FIS D39504HD BLACK CAT Same as WES 44890	\$66.39	\$331.95
10187	44891 WESTERN	BLADE, CENTER CUTTING EDGE, DRIVER SIDE.	5 EA	90-120 Days	FIS D39505HD BLACK CAT Same as WES 44891	\$66.39	\$331.95
10720	SK60-16X12X50 KURIYAMA	SKIRTBOARD, RUBBER BELTING BLACK, 1/2 IN. THICK, 12 IN. WIDE, MUST BE PURCHASED IN 50 FT ROLL.	85 EA				
11024	PA-648 VALK	BLOCK, SWIVEL LIFT CHAIN PLATE, COMPLETE.	10 EA				
11364	RBR-14 VALK	PLOW BLADE, RETAINER BLADE, 1/4 IN X 3 IN X 14 FOOT, FOR VALK SD-14L/QA LOADER MOUNTED PLOW.	1 EA				
11365	RBR-16 VALK	PLOW BLADE, RETAINER BLADE, 1/4 IN X 3 IN X 16 FOOT, FOR VALK SD-16L/QA LOADER MOUNTED PLOW.	1 EA				
11366	RB-10-14 VALK	PLOW BLADE, RUBBER CUT EDGE, 1-1/2 IN X 10 IN X 14 FOOT, FOR VALK SD-14L/QA LOADER MOUNTED PLOW.	1 EA	14-21 Days	RB22YS1WF WINTER EQUIPMENT	\$450.80	\$450.80
11367	RB-10-16 VALK	PLOW BLADE, RUBBER CUT EDGE, 1-1/2 IN X 10 IN X 16 FOOT, FOR VALK SD-16L/QA LOADER MOUNTED PLOW.	1 EA	14-21 Days	RB22ZS1WF WINTER EQUIPMENT	\$515.20	\$515.20
11368	SD-16L-405L VALK	SHOE, WEAR, LEFT SIDE, FOR VALK, SD-10L/QA, SD-12L/QA, SD-14L/QA AND SD-16L/QA LOADER MOUNTED PLOW.	1 EA				
11369	SD-16L-405R VALK	SHOE, WEAR, RIGHT SIDE, FOR VALK, SD-10L/QA, SD-12L/QA, SD-14L/QA AND SD-16L/QA LOADER MOUNTED PLOW.	1 EA				
11370	R-680 VALK	HOUSING, TRIP CYLINDER, 6 IN., FOR VALK RSV REVERSIBLE PLOWS.	1 EA				
13596	RB-10-10 VALK	PLOW BLADE, RUBBER CUTTING EDGE, 1-1/2 IN. X 10 IN. X 10 FOOT, FOR VALK SD-10L/QA LOADER MOUNTED PLOW.	1 EA				
13597	RBR-10 VALK	PLOW BLADE RETAINER STRAP, 1/4 IN. X 3 IN. X 10 FOOT, FOR VALK SD-10L/QA LOADER MOUNTED PLOW.	1 EA				

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Bid 166000-2019  
7/22/2019

Winter Equipment Company, Inc  
Willoughby, OH  
1010

Material	Primary Mfg Part Number	Description	Estimated Quantity (1-year usage)	Lead Time (days or weeks)	Vendor Product Number	Unit Price	Estimated Total Price
13598	RBR-12 VALK	PLOW BLADE RETAINER STRAP, 1/4 IN. X 3 IN. X 12 FOOT, FOR VALK SD-12L/QA LOADER MOUNTED PLOW.	1 EA				
13599	RB-10-12 VALK	PLOW BLADE RUBBER CUTTING EDGE, 1-1/2 IN. X 10 IN. X 12 FOOT, FOR VALK SD-12L/QA LOADER MOUNTED PLOW.	1 EA	14-21 Days	RB22VS1WF WINTER EQUIPMENT	\$386.40	\$386.40
14026	1400-1230 HENKE	NOSE GUARD, HENKE, CUSTOM, PA TURNPIKE.	2 EA				
14363	429-0059 HENKE	PUSHBEAM TUBE ASSEMBLY, INNER, FOR HENKE PW-PA-TPK-16 RIGHT WING PLOW.	2 EA				
AWARDED ITEMS							\$20,490.90

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31	2038043 KENNAMETAL	BLADE SAVER, CENTER, ISOLATED CARBIDE 1 IN. X 6 IN. X 21 IN., STANDARD HIGHWAY PUNCHING 4 HOLES 1.72 IN. FROM TOP, CARBIDE CYLINDRICAL DESIGN INSERTS, BLADE SHALL BE FLAT HOT-ROLLED FINISHED STEEL TO MEET OR EXCEED SPECIFICATIONS FOR A36 OR 1020 TYPE STEELS. PUNCHING SHALL BE 11/16-IN. SQUARE HOLES WITH COUNTER-SINK OF 80 TO 82 DEGREES .120 MINIMUM DEPTH TO .180 INCH MAXIMUM DEPTH ON BOTH SIDES OF BLADE TO RECEIVE 5/8-IN. DIAMETER PLOW BOLTS. THE CARBIDE INSERTS SHALL BE A HIGH SHOCK WC GRADE OF TUNGSTEN CARBIDE WITH 10-1/2 TO 12-1/2 % COBALT CONTENT, 13.9 MINIMUM TO 14.6 MAXIMUM DENSITY, 86.8 MINIMUM TO 89.2 MAXIMUM HARDNESS. THE INSERTS SHALL BE CYLINDRICAL DESIGN WITH A DOME-SHAPED END OF THE FOLLOWING DIMENSIONS: HEIGHT: .753 IN. +/- .007, DIAMETER: .523 IN. +/- .004, BOTTOM ANGLE: 25 DEGREES WITH A NOSE RADIUS OF 1/16 IN. MINIMUM. THE INSERTS SHALL BE POSITIONED IN HOLES DRILLED IN THE CENTER OF THE THICKNESS OF THE BLADE AND SHALL BE SPACED .75 IN. CENTER TO CENTER ALONG THE ENTIRE LENGTH OF THE CUTTING EDGE SECTION. THE INSERTS SHALL BE BRAZED ON ALL SIDES CONSISTENT WITH SOUND BRAZING PRACTICE WITH NO EVIDENCE OF VOIDS IN THE BRAZE JOINT. THE BLADES SHALL BE PAINTED ON BOTH SIDES AND ALL EDGES WITH YELLOW PAINT (REF: PRUETT- SCHAFFER CHEMICAL CO. PRODUCT CODE 20-14), 2 MILS MINIMUM THICKNESS. AS PER ATTACHED DRAWING DATED MARCH 2009.	137 EA		EGRD-PICK-PATPK	\$151.60	\$20,769.20
40	PB30495 JOMA	PLOW BOLT, 5/8 IN. X 11 THREAD X 4 IN., GRADE 8, #3 DOME HEAD TO CONFORM TO SAE J 429 AND AMERICAN STAN- DARD B18.9-1958, TENSILE STRENGTH 150,000 PSI. AS PER ATTACHED DRAWING DATED MARCH 2009.	1,600 EA		HDWR-BLA-00004A	\$1.00	\$1,600.00
41	PB30465 WINTER EQUIPMENT	PLOW BOLT, 5/8 IN. X 11 THREAD X 2 IN., GRADE 8, #3 DOME HEAD TO CONFORM TO SAE J 429 AND AMERICAN STAN- DARD B18.9-1958, TENSILE STRENGTH 150,000 PSI. AS PER ATTACHED DRAWING DATED MARCH 2009.	250 EA		HDWR-BLA-00001	\$0.60	\$150.00
42	PB30485 WINTER EQUIPMENT	PLOW BOLT, 5/8 IN. X 11 THREAD X 3 IN., GRADE 8, #3 DOME HEAD TO CONFORM TO SAE J 429 AND AMERICAN STAN- DARD B18.9-1958, TENSILE STRENGTH 150,000 PSI. AS PER ATTACHED DRAWING DATED MARCH 2009.	950 EA		HDWR-BLA-00002	\$0.80	\$760.00
43	PB30505 WINTER EQUIPMENT	PLOW BOLT, 5/8 IN. X 11 THREAD X 5 IN., GRADE 8, #3 DOME HEAD TO CONFORM TO SAE J 429 AND AMERICAN STAN- DARD B18.9-1958, TENSILE STRENGTH 150,000 PSI. AS PER ATTACHED DRAWING DATED MARCH 2009.	140 EA		HDWR-BLA-00011	\$1.20	\$168.00
45	SN580 IRONHAWK	NUT, LOCK, HEX, 5/8 IN. X 11 THREAD, STOVER, GRADE 8, ZINC PLATED AND WAXED FOR PLOW BLADE BOLT, PACKAGE OF 100 EACH, AS PER ATTACHED DRAWING DATED MARCH 2009.	4,000 EA		HDWR-BLA-00023	\$0.25	\$1,000.00
52	1012483 KENNAMETAL	WEAR SHOE WITH CARBIDE INSERT, 1-1/2 IN. X 5-3/4 IN. X 13-3/4 IN., STANDARD HIGHWAY PUNCHING, STANDARD HOLE SPACING, 6 IN. CENTERS, PUNCHING SHALL BE 11/16 IN. SQUARE HOLES WITH COUNTERSINK OF 80 TO 82 DEGREES, .120 IN. MINIMUM DEPTH TO .180 IN. MAXIMUM DEPTH. AS PER ATTACHED DRAWING DATED 01/08/2016.	10 EA				
1679	OR-631 VALK	PIN, EYE CONNECTOR, SWIVEL EYE BAR.	20 EA				
1680	OR-632 VALK	PIN, LATCH CONNECTOR, SWIVEL 2 IN. EYE BAR.	20 EA				
1681	1308005 BUYERS PRODUCTS	GUIDE, ASSEMBLY, TO CONSIST OF 2 EACH 24 IN., SAFETY ORANGE, FIBERGLASS GUIDES WITH MOUNTING HARDWARE (2 BRACKETS, 2 EACH 1/4 IN. X 1-1/4 IN. CAP SCREWS AND 2 EACH 1/4 IN. LOCKNUTS). WITH 3/8 IN. STEEL REINFORCED CABLE.	80 EA				
1684	O-666 VALK	SPRING, PLOW RAM, O-666 VALK.	5 EA				
1685	O-668 VALK	SPRING, PLOW (SM), O-668 VALK.	5 EA				
1686	OR638-1 (3 HOLE) VALK	BUTT, SEMI-CIRCLE MOLDBOARD HINGE, RIGHT OR LEFT, 3- HOLE.	10 EA				
1687	O-670 VALK	ROD, TENSION 2 IN., O-670 VALK.	5 EA				
1688	OR-634 VALK	PIN, SEMI CIRCLE LOCK, OR-634 VALK.	10 EA				
1689	OR-649 VALK	SHACKLE W/BOLT, NUT, COTTER PIN, 1/2 IN., 4,000 LB WORKING LOAD LIMIT, OR-649 VALK.	50 EA				
1691	O-674 VALK	SPRING, RECOIL CYLINDER, VALK PLOW.	20 EA				
1692	O-672 VALK	CONNECTOR, ROD T.	5 EA				
1694	O-676 VALK	RING, SEPARATOR FOR VALK PLOW WITH LARGE (2 IN) TRIP CYLINDER (SAP 1701).	5 EA				
1695	O-681 VALK	TUBE, INSIDE ASSEMBLY, FOR VALK V610 PLOW.	5 EA				
1696	OR-646 VALK	PIN, HINGE, SEMI CIRCLE.	15 EA				
1701	O-664 VALK	TRIP CYLINDER ASSEMBLY, 8-5/8 IN. OUTSIDE DIAMETER, FOR V600 AND 700 SERIES VALK PLOW, 712, 721 AND 721B.	5 EA				
1702	R665 VALK	TRIP CYLINDER ASSEMBLY, 6 IN. OUTSIDE DIAMETER, VALK POWER ANGLE AND MODEL 731 PLOWS.	10 EA				
1704	R-677 VALK	RING, SEPARATOR, FOR VALK RVS SERIES PLOW WITH SMALL (1-1/2 IN) TRIP CYLINDER (SAP 1702).	5 EA				
1705	R-673 VALK	TEE, CONNECTOR, FOR VALK RVS SERIES PLOW.	5 EA				
1706	HY-410D.A. VALK	CYLINDER, ANGLE, DOUBLE ACTING, FOR VALK RVS SERIES PLOW.	10 EA				
1707	R-667 VALK	SPRING, OUTER, 5-1/2 IN. O.D., FOR 6 IN. VALK TRIP CYLINDER RVS SERIES PLOW.	5 EA				
1708	R-669 VALK	SPRING, INNER, 3-1/4 IN. O.D., FOR 6 IN. VALK TRIP CYLINDER RVS SERIES PLOW.	5 EA				
9481	R-671 VALK	TENSION ROD, 1-1/2 IN. O.D. FOR USE IN R-665 6 IN. TRIP CYLINDER.	10 EA				
9960	5/8X6X144 VALK	BLADE, SNOW PLOW, 5/8 IN. X 6 IN. X 144 IN., STANDARD HIGHWAY PUNCH 14 HOLES, 1-1/2 IN. FROM TOP, PUNCHING SHALL BE 11/16 IN. SQUARE HOLES CARBON STEEL, AISI 1074, ROCKWELL HARDNESS RANGE OF C-22 TO C-30 EACH BLADE SHALL BE ETCHED, PUNCHED OR STAMPED ON THE UPPER RIGHT-HAND CORNER WITH DATE OF MANUFACTURE AND MANUFACTURER'S NAME, AS PER ATTACHED DRAWING DATED MARCH 2010.	30 EA		EPBTPSQA-20488	\$105.00	\$3,150.00
9961	5/8X6X120 VALK	BLADE, SNOW PLOW, 5/8 IN. X 6 IN. X 120 IN., STANDARD HIGHWAY PUNCH 12 HOLES, 1-1/2 IN. FROM TOP, PUNCHING SHALL BE 11/16 IN. SQUARE HOLES, CARBON STEEL, AISI 1074, ROCKWELL HARDNESS RANGE OF C-22 TO C-30 EACH BLADE SHALL BE ETCHED, PUNCHED OR STAMPED IN THE UPPER RIGHT-HAND CORNER WITH DATE OF MANUFACTURE AND MANUFACTURER'S NAME, AS PER ATTACHED DRAWING DATED MARCH 2010.	15 EA		EPBTPSWA-20489	\$95.00	\$1,425.00
9962	5/8X6/132 VALK	BLADE, SNOW PLOW, 5/8 IN. X 6 IN. X 132 IN., STANDARD HIGHWAY PUNCH 13 HOLES, 1-1/2 IN. FROM TOP, PUNCHING SHALL BE 11/16 IN. SQUARE HOLES, CARBON STEEL, AISI 1074, ROCKWELL HARDNESS RANGE OF C-22 TO C-30, EACH BLADE SHALL BE ETCHED, PUNCHED OR STAMPED IN THE UPPER RIGHT-HAND CORNER WITH DATE OF MANUFACTURE AND MANUFACTURER'S NAME. AS PER ATTACHED DRAWING DATED MARCH 2010.	15 EA		EPBTPSWA-20403	\$100.00	\$1,500.00
10023	PA781 VALK	TUBE, INSIDE ASSEMBLY, FOR VALK MODEL 731 PLOW, FITS IN TRIP CYLINDER R665 VALK.	5 EA				
10185	44997 WESTERN	BLADE, COVER AND CUTTING, 1/2 IN. X 6 IN. X 40-3/4 IN.	10 EA		EPU7POVE-00007	\$30.00	\$300.00
10186	44890 WESTERN	BLADE, CENTER CUTTING EDGE, PASSENGER SIDE.	5 EA		EPU-EXTV-R	\$25.00	\$125.00
10187	44891 WESTERN	BLADE, CENTER CUTTING EDGE, DRIVER SIDE.	5 EA		EPU-EXTV-L	\$25.00	\$125.00
10720	SK60-16X12X50 KURIYAMA	SKIRTBOARD, RUBBER BELTING BLACK, 1/2 IN. THICK, 12 IN. WIDE, MUST BE PURCHASED IN 50 FT ROLL.	85 EA				
11024	PA-648 VALK	BLOCK, SWIVEL LIFT CHAIN PLATE, COMPLETE.	10 EA				
11364	RBR-14 VALK	PLOW BLADE, RETAINER BLADE, 1/4 IN X 3 IN X 14 FOOT, FOR VALK SD-14L/QA LOADER MOUNTED PLOW.	1 EA				
11365	RBR-16 VALK	PLOW BLADE, RETAINER BLADE, 1/4 IN X 3 IN X 16 FOOT, FOR VALK SD-16L/QA LOADER MOUNTED PLOW.	1 EA				
11366	RB-10-14 VALK	PLOW BLADE, RUBBER CUT EDGE, 1-1/2 IN X 10 IN X 14 FOOT, FOR VALK SD-14L/QA LOADER MOUNTED PLOW.	1 EA				
11367	RB-10-16 VALK	PLOW BLADE, RUBBER CUT EDGE, 1-1/2 IN X 10 IN X 16 FOOT, FOR VALK SD-16L/QA LOADER MOUNTED PLOW.	1 EA				
11368	SD-16L-405L VALK	SHOE, WEAR, LEFT SIDE, FOR VALK, SD-10L/QA, SD-12L/QA, SD-14L/QA AND SD-16L/QA LOADER MOUNTED PLOW.	1 EA				
11369	SD-16L-405R VALK	SHOE, WEAR, RIGHT SIDE, FOR VALK, SD-10L/QA, SD-12L/QA, SD-14L/QA AND SD-16L/QA LOADER MOUNTED PLOW.	1 EA				
11370	R-680 VALK	HOUSING, TRIP CYLINDER, 6 IN., FOR VALK RSV REVERSIBLE PLOWS.	1 EA				
13596	RB-10-10 VALK	PLOW BLADE, RUBBER CUTTING EDGE, 1-1/2 IN. X 10 IN. X 10 FOOT, FOR VALK SD-10L/QA LOADER MOUNTED PLOW.	1 EA		ERBL10A00000004	\$285.00	\$285.00
13597	RBR-10 VALK	PLOW BLADE RETAINER STRAP, 1/4 IN. X 3 IN. X 10 FOOT, FOR VALK SD-10L/QA LOADER MOUNTED PLOW.	1 EA		ERBLCLAMP-002	\$45.00	\$45.00

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Chemung Supply Corp.  
Elmira, NY  
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Material	Primary Mfg Part Number	Description	Estimated Quantity (1-year usage)	Lead Time (days or weeks)	Vendor Product Number	Unit Price	Estimated Total Price
13598	RBR-12 VALK	PLOW BLADE RETAINER STRAP, 1/4 IN. X 3 IN. X 12 FOOT, FOR VALK SD-12L/QA LOADER MOUNTED PLOW.	1 EA		ERBLCLAMP-003	\$54.00	\$54.00
13599	RB-10-12 VALK	PLOW BLADE RUBBER CUTTING EDGE, 1-1/2 IN. X 10 IN. X 12 FOOT, FOR VALK SD-12L/QA LOADER MOUNTED PLOW.	1 EA		ERBL10A00000006	\$340.00	\$340.00
14026	1400-1230 HENKE	NOSE GUARD, HENKE, CUSTOM, PA TURNPIKE.	2 EA				
14363	429-0059 HENKE	PUSHBEAM TUBE ASSEMBLY, INNER, FOR HENKE PW-PA-TPK-16 RIGHT WING PLOW.	2 EA				
		AWARDED ITEMS					\$4,677.00



Tabulation - PA Turnpike Commission				Minco Industrial Services, Inc Jonestown, PA 1278			
Bid	166000-2019 7/22/2019						
Material	Primary Mfg Part Number	Description	Estimated Quantity (1-year usage)	Lead Time (days or weeks)	Vendor Product Number	Unit Price	Estimated Total Price
31	2038043 KENNAMETAL	BLADE SAVER, CENTER, ISOLATED CARBIDE 1 IN. X 6 IN. X 21 IN., STANDARD HIGHWAY PUNCHING 4 HOLES 1.72 IN. FROM TOP, CARBIDE CYLINDRICAL DESIGN INSERTS, BLADE SHALL BE FLAT HOT-ROLLED FINISHED STEEL TO MEET OR EXCEED SPECIFICATIONS FOR A36 OR 1020 TYPE STEELS. PUNCHING SHALL BE 11/16-IN. SQUARE HOLES WITH COUNTER-SINK OF 80 TO 82 DEGREES .120 MINIMUM DEPTH TO .180 INCH MAXIMUM DEPTH ON BOTH SIDES OF BLADE TO RECEIVE 5/8-IN. DIAMETER PLOW BOLTS. THE CARBIDE INSERTS SHALL BE A HIGH SHOCK WC GRADE OF TUNGSTEN CARBIDE WITH 10-1/2 TO 12-1/2 % COBALT CONTENT, 13.9 MINIMUM TO 14.6 MAXIMUM DENSITY, 86.8 MINIMUM TO 89.2 MAXIMUM HARDNESS. THE INSERTS SHALL BE CYLINDRICAL DESIGN WITH A DOME-SHAPED END OF THE FOLLOWING DIMENSIONS: HEIGHT: .753 IN. +/- .007, DIAMETER: .523 IN. +/- .004, BOTTOM ANGLE: 25 DEGREES WITH A NOSE RADIUS OF 1/16 IN. MINIMUM. THE INSERTS SHALL BE POSITIONED IN HOLES DRILLED IN THE CENTER OF THE THICKNESS OF THE BLADE AND SHALL BE SPACED .75 IN. CENTER TO CENTER ALONG THE ENTIRE LENGTH OF THE CUTTING EDGE SECTION. THE INSERTS SHALL BE BRAZED ON ALL SIDES CONSISTENT WITH SOUND BRAZING PRACTICE WITH NO EVIDENCE OF VOIDS IN THE BRAZE JOINT. THE BLADES SHALL BE PAINTED ON BOTH SIDES AND ALL EDGES WITH YELLOW PAINT (REF: PRUETT- SCHAFFER CHEMICAL CO. PRODUCT CODE 20-14), 2 MILS MINIMUM THICKNESS. AS PER ATTACHED DRAWING DATED MARCH 2009.	137 EA				
40	PB30495 JOMA	PLOW BOLT, 5/8 IN. X 11 THREAD X 4 IN., GRADE 8, #3 DOME HEAD TO CONFORM TO SAE J 429 AND AMERICAN STAN- DARD B18.9-1958, TENSILE STRENGTH 150,000 PSI. AS PER ATTACHED DRAWING DATED MARCH 2009.	1,600 EA				
41	PB30465 WINTER EQUIPMENT	PLOW BOLT, 5/8 IN. X 11 THREAD X 2 IN., GRADE 8, #3 DOME HEAD TO CONFORM TO SAE J 429 AND AMERICAN STAN- DARD B18.9-1958, TENSILE STRENGTH 150,000 PSI. AS PER ATTACHED DRAWING DATED MARCH 2009.	250 EA				
42	PB30485 WINTER EQUIPMENT	PLOW BOLT, 5/8 IN. X 11 THREAD X 3 IN., GRADE 8, #3 DOME HEAD TO CONFORM TO SAE J 429 AND AMERICAN STAN- DARD B18.9-1958, TENSILE STRENGTH 150,000 PSI. AS PER ATTACHED DRAWING DATED MARCH 2009.	950 EA				
43	PB30505 WINTER EQUIPMENT	PLOW BOLT, 5/8 IN. X 11 THREAD X 5 IN., GRADE 8, #3 DOME HEAD TO CONFORM TO SAE J 429 AND AMERICAN STAN- DARD B18.9-1958, TENSILE STRENGTH 150,000 PSI. AS PER ATTACHED DRAWING DATED MARCH 2009.	140 EA				
45	SN580 IRONHAWK	NUT, LOCK, HEX, 5/8 IN. X 11 THREAD, STOVER, GRADE 8, ZINC PLATED AND WAXED FOR PLOW BLADE BOLT, PACKAGE OF 100 EACH, AS PER ATTACHED DRAWING DATED MARCH 2009.	4,000 EA				
52	1012483 KENNAMETAL	WEAR SHOE WITH CARBIDE INSERT, 1-1/2 IN. X 5-3/4 IN. X 13-3/4 IN., STANDARD HIGHWAY PUNCHING, STANDARD HOLE SPACING, 6 IN. CENTERS, PUNCHING SHALL BE 11/16 IN. SQUARE HOLES WITH COUNTERSINK OF 80 TO 82 DEGREES, .120 IN. MINIMUM DEPTH TO .180 IN. MAXIMUM DEPTH. AS PER ATTACHED DRAWING DATED 01/08/2016.	10 EA				
1679	OR-631 VALK	PIN, EYE CONNECTOR, SWIVEL EYE BAR.	20 EA	5 Days	3830-5500-0106	\$157.95	\$3,159.00
1680	OR-632 VALK	PIN, LATCH CONNECTOR, SWIVEL 2 IN. EYE BAR.	20 EA	5 Days	3830-3200-0100	\$139.00	\$2,780.00
1681	1308005 BUYERS PRODUCTS	GUIDE, ASSEMBLY, TO CONSIST OF 2 EACH 24 IN., SAFETY ORANGE, FIBERGLASS GUIDES WITH MOUNTING HARDWARE (2 BRACKETS, 2 EACH 1/4 IN. X 1-1/4 IN. CAP SCREWS AND 2 EACH 1/4 IN. LOCKNUTS). WITH 3/8 IN. STEEL REINFORCED CABLE.	80 EA				
1684	O-666 VALK	SPRING, PLOW RAM, O-666 VALK.	5 EA	5 days	PA666-8	\$259.00	\$1,295.00
1685	O-668 VALK	SPRING, PLOW (SM), O-668 VALK.	5 EA	5 days	PA668-8	\$214.00	\$1,070.00
1686	OR638-1 (3 HOLE) VALK	BUTT, SEMI-CIRCLE MOLDBOARD HINGE, RIGHT OR LEFT, 3- HOLE.	10 EA	5 days	PA638-1	\$59.00	\$590.00
1687	O-670 VALK	ROD, TENSION 2 IN., O-670 VALK.	5 EA	5 days	PA670-8	\$143.90	\$719.50
1688	OR-634 VALK	PIN, SEMI CIRCLE LOCK, OR-634 VALK.	10 EA	5 days	PA634	\$26.00	\$260.00
1689	OR-649 VALK	SHACKLE W/BOLT, NUT, COTTER PIN, 1/2 IN., 4,000 LB WORKING LOAD LIMIT, OR-649 VALK.	50 EA			\$45.00	
1691	O-674 VALK	SPRING, RECOIL CYLINDER, VALK PLOW.	20 EA	5 days	PA674	\$45.00	\$900.00
1692	O-672 VALK	CONNECTOR, ROD T.	5 EA	5 days	PA672-8	\$158.09	\$790.45
1694	O-676 VALK	RING, SEPARATOR FOR VALK PLOW WITH LARGE (2 IN) TRIP CYLINDER (SAP 1701).	5 EA	5 days	PA678-8	\$16.28	\$81.40
1695	O-681 VALK	TUBE, INSIDE ASSEMBLY, FOR VALK V610 PLOW.	5 EA	5 days	PA683-8	\$229.00	\$1,145.00
1696	OR-646 VALK	PIN, HINGE, SEMI CIRCLE.	15 EA	5 days	PA638PN	\$8.33	\$124.95
1701	O-664 VALK	TRIP CYLINDER ASSEMBLY, 8-5/8 IN. OUTSIDE DIAMETER, FOR V600 AND 700 SERIES VALK PLOW, 712, 721 AND 721B.	5 EA	5 days	MIN-SUPER-8	\$1,498.00	\$7,490.00
1702	R665 VALK	TRIP CYLINDER ASSEMBLY, 6 IN. OUTSIDE DIAMETER, VALK POWER ANGLE AND MODEL 731 PLOWS.	10 EA	5 days	MIN-SUPER-6	\$1,098.00	\$10,980.00
1704	R-677 VALK	RING, SEPARATOR, FOR VALK RVS SERIES PLOW WITH SMALL (1-1/2 IN) TRIP CYLINDER (SAP 1702).	5 EA	5 days	PA676-6	\$14.98	\$74.90
1705	R-673 VALK	TEE, CONNECTOR, FOR VALK RVS SERIES PLOW.	5 EA	5 days	PA672--6	\$136.00	\$680.00
1706	HY-410D.A. VALK	CYLINDER, ANGLE, DOUBLE ACTING, FOR VALK RVS SERIES PLOW.	10 EA	5 days	HY410DA	\$595.00	\$5,950.00
1707	R-667 VALK	SPRING, OUTER, 5-1/2 IN. O.D., FOR 6 IN. VALK TRIP CYLINDER RVS SERIES PLOW.	5 EA	5 days	PA666-6	\$209.00	\$1,045.00
1708	R-669 VALK	SPRING, INNER, 3-1/4 IN. O.D., FOR 6 IN. VALK TRIP CYLINDER RVS SERIES PLOW.	5 EA	5 days	PA668-6	\$128.00	\$640.00
9481	R-671 VALK	TENSION ROD, 1-1/2 IN. O.D. FOR USE IN R-665 6 IN. TRIP CYLINDER.	10 EA	5 days	PA670-6	\$112.60	\$1,126.00
9960	5/8X6X144 VALK	BLADE, SNOW PLOW, 5/8 IN. X 6 IN. X 144 IN., STANDARD HIGHWAY PUNCH 14 HOLES, 1-1/2 IN. FROM TOP, PUNCHING SHALL BE 11/16 IN. SQUARE HOLES CARBON STEEL, AISI 1074, ROCKWELL HARDNESS RANGE OF C-22 TO C-30 EACH BLADE SHALL BE ETCHED, PUNCHED OR STAMPED ON THE UPPER RIGHT-HAND CORNER WITH DATE OF MANUFACTURE AND MANUFACTURER'S NAME, AS PER ATTACHED DRAWING DATED MARCH 2010.	30 EA				
9961	5/8X6X120 VALK	BLADE, SNOW PLOW, 5/8 IN. X 6 IN. X 120 IN., STANDARD HIGHWAY PUNCH 12 HOLES, 1-1/2 IN. FROM TOP, PUNCHING SHALL BE 11/16 IN. SQUARE HOLES, CARBON STEEL, AISI 1074, ROCKWELL HARDNESS RANGE OF C-22 TO C-30 EACH BLADE SHALL BE ETCHED, PUNCHED OR STAMPED IN THE UPPER RIGHT-HAND CORNER WITH DATE OF MANUFACTURE AND MANUFACTURER'S NAME, AS PER ATTACHED DRAWING DATED MARCH 2010.	15 EA				
9962	5/8X/6/132 VALK	BLADE, SNOW PLOW, 5/8 IN. X 6 IN. X 132 IN., STANDARD HIGHWAY PUNCH 13 HOLES, 1-1/2 IN. FROM TOP, PUNCHING SHALL BE 11/16 IN. SQUARE HOLES, CARBON STEEL, AISI 1074, ROCKWELL HARDNESS RANGE OF C-22 TO C-30, EACH BLADE SHALL BE ETCHED, PUNCHED OR STAMPED IN THE UPPER RIGHT-HAND CORNER WITH DATE OF MANUFACTURE AND MANUFACTURER'S NAME. AS PER ATTACHED DRAWING DATED MARCH 2010.	15 EA				
10023	PA781 VALK	TUBE, INSIDE ASSEMBLY, FOR VALK MODEL 731 PLOW, FITS IN TRIP CYLINDER R665 VALK.	5 EA	5 days	PA683-6	\$187.55	\$937.75
10185	44997 WESTERN	BLADE, COVER AND CUTTING, 1/2 IN. X 6 IN. X 40-3/4 IN.	10 EA				
10186	44890 WESTERN	BLADE, CENTER CUTTING EDGE, PASSENGER SIDE.	5 EA				
10187	44891 WESTERN	BLADE, CENTER CUTTING EDGE, DRIVER SIDE.	5 EA				
10720	SK60-16X12X50 KURIYAMA	SKIRTBOARD, RUBBER BELTING BLACK, 1/2 IN. THICK, 12 IN. WIDE, MUST BE PURCHASED IN 50 FT ROLL.	85 EA	5 days	7-1012-12	\$241.68	\$20,542.80
11024	PA-648 VALK	BLOCK, SWIVEL LIFT CHAIN PLATE, COMPLETE.	10 EA	5 days	PA648-4	\$176.00	\$1,760.00
11364	RBR-14 VALK	PLOW BLADE, RETAINER BLADE, 1/4 IN X 3 IN X 14 FOOT, FOR VALK SD-14L/QA LOADER MOUNTED PLOW.	1 EA				
11365	RBR-16 VALK	PLOW BLADE, RETAINER BLADE, 1/4 IN X 3 IN X 16 FOOT, FOR VALK SD-16L/QA LOADER MOUNTED PLOW.	1 EA				
11366	RB-10-14 VALK	PLOW BLADE, RUBBER CUT EDGE, 1-1/2 IN X 10 IN X 14 FOOT, FOR VALK SD-14L/QA LOADER MOUNTED PLOW.	1 EA				
11367	RB-10-16 VALK	PLOW BLADE, RUBBER CUT EDGE, 1-1/2 IN X 10 IN X 16 FOOT, FOR VALK SD-16L/QA LOADER MOUNTED PLOW.	1 EA				
11368	SD-16L-405L VALK	SHOE, WEAR, LEFT SIDE, FOR VALK, SD-10L/QA, SD-12L/QA, SD-14L/QA AND SD-16L/QA LOADER MOUNTED PLOW.	1 EA				
11369	SD-16L-405R VALK	SHOE, WEAR, RIGHT SIDE, FOR VALK, SD-10L/QA, SD-12L/QA, SD-14L/QA AND SD-16L/QA LOADER MOUNTED PLOW.	1 EA				
11370	R-680 VALK	HOUSING, TRIP CYLINDER, 6 IN., FOR VALK RSV REVERSIBLE PLOWS.	1 EA				
13596	RB-10-10 VALK	PLOW BLADE, RUBBER CUTTING EDGE, 1-1/2 IN. X 10 IN. X 10 FOOT, FOR VALK SD-10L/QA LOADER MOUNTED PLOW.	1 EA				
13597	RBR-10 VALK	PLOW BLADE RETAINER STRAP, 1/4 IN. X 3 IN. X 10 FOOT, FOR VALK SD-10L/QA LOADER MOUNTED PLOW.	1 EA				

Bid Tabulation - PA Turnpike Commission				Minco Industrial Services, Inc			
Bid 166000-2019				Jonestown, PA			
7/22/2019				1278			
Material	Primary Mfg Part Number	Description	Estimated Quantity (1-year usage)	Lead Time (days or weeks)	Vendor Product Number	Unit Price	Estimated Total Price
13598	RBR-12 VALK	PLOW BLADE RETAINER STRAP, 1/4 IN. X 3 IN. X 12 FOOT, FOR VALK SD-12L/QA LOADER MOUNTED PLOW.	1 EA				
13599	RB-10-12 VALK	PLOW BLADE RUBBER CUTTING EDGE, 1-1/2 IN. X 10 IN. X 12 FOOT, FOR VALK SD-12L/QA LOADER MOUNTED PLOW.	1 EA				
14026	1400-1230 HENKE	NOSE GUARD, HENKE, CUSTOM, PA TURNPIKE.	2 EA	4-6 weeks	1400-1230	\$109.29	\$218.58
14363	429-0059 HENKE	PUSHBEAM TUBE ASSEMBLY, INNER, FOR HENKE PW-PA-TPK-16 RIGHT WING PLOW.	2 EA	4-6 weeks	429-0059	\$487.20	\$974.40
		AWARDED ITEMS					\$39,479.78

Bid Tabulation - PA Turnpike Commission				Valk Manufacturing Company			
Bid		166000-2019		New Kingstown, PA			
		7/22/2019		874			
Material	Primary Mfg Part Number	Description	Estimated Quantity (1-year usage)	Lead Time (days or weeks)	Vendor Product Number	Unit Price	Estimated Total Price
31	2038043 KENNAMETAL	BLADE SAVER, CENTER, ISOLATED CARBIDE 1 IN. X 6 IN. X 21 IN., STANDARD HIGHWAY PUNCHING 4 HOLES 1.72 IN. FROM TOP, CARBIDE CYLINDRICAL DESIGN INSERTS, BLADE SHALL BE FLAT HOT-ROLLED FINISHED STEEL TO MEET OR EXCEED SPECIFICATIONS FOR A36 OR 1020 TYPE STEELS. PUNCHING SHALL BE 11/16-IN. SQUARE HOLES WITH COUNTER-SINK OF 80 TO 82 DEGREES .120 MINIMUM DEPTH TO .180 INCH MAXIMUM DEPTH ON BOTH SIDES OF BLADE TO RECEIVE 5/8-IN. DIAMETER PLOW BOLTS. THE CARBIDE INSERTS SHALL BE A HIGH SHOCK WC GRADE OF TUNGSTEN CARBIDE WITH 10-1/2 TO 12-1/2 % COBALT CONTENT, 13.9 MINIMUM TO 14.6 MAXIMUM DENSITY, 86.8 MINIMUM TO 89.2 MAXIMUM HARDNESS. THE INSERTS SHALL BE CYLINDRICAL DESIGN WITH A DOME-SHAPED END OF THE FOLLOWING DIMENSIONS: HEIGHT: .753 IN. +/- .007, DIAMETER: .523 IN. +/- .004, BOTTOM ANGLE: 25 DEGREES WITH A NOSE RADIUS OF 1/16 IN. MINIMUM. THE INSERTS SHALL BE POSITIONED IN HOLES DRILLED IN THE CENTER OF THE THICKNESS OF THE BLADE AND SHALL BE SPACED .75 IN. CENTER TO CENTER ALONG THE ENTIRE LENGTH OF THE CUTTING EDGE SECTION. THE INSERTS SHALL BE BRAZED ON ALL SIDES CONSISTENT WITH SOUND BRAZING PRACTICE WITH NO EVIDENCE OF VOIDS IN THE BRAZE JOINT. THE BLADES SHALL BE PAINTED ON BOTH SIDES AND ALL EDGES WITH YELLOW PAINT (REF: PRUETT- SCHAFFER CHEMICAL CO. PRODUCT CODE 20-14), 2 MILS MINIMUM THICKNESS. AS PER ATTACHED DRAWING DATED MARCH 2009.	137 EA				
40	PB30495 JOMA	PLOW BOLT, 5/8 IN. X 11 THREAD X 4 IN., GRADE 8, #3 DOME HEAD TO CONFORM TO SAE J 429 AND AMERICAN STAN- DARD B18.9-1958, TENSILE STRENGTH 150,000 PSI. AS PER ATTACHED DRAWING DATED MARCH 2009.	1,600 EA				
41	PB30465 WINTER EQUIPMENT	PLOW BOLT, 5/8 IN. X 11 THREAD X 2 IN., GRADE 8, #3 DOME HEAD TO CONFORM TO SAE J 429 AND AMERICAN STAN- DARD B18.9-1958, TENSILE STRENGTH 150,000 PSI. AS PER ATTACHED DRAWING DATED MARCH 2009.	250 EA				
42	PB30485 WINTER EQUIPMENT	PLOW BOLT, 5/8 IN. X 11 THREAD X 3 IN., GRADE 8, #3 DOME HEAD TO CONFORM TO SAE J 429 AND AMERICAN STAN- DARD B18.9-1958, TENSILE STRENGTH 150,000 PSI. AS PER ATTACHED DRAWING DATED MARCH 2009.	950 EA				
43	PB30505 WINTER EQUIPMENT	PLOW BOLT, 5/8 IN. X 11 THREAD X 5 IN., GRADE 8, #3 DOME HEAD TO CONFORM TO SAE J 429 AND AMERICAN STAN- DARD B18.9-1958, TENSILE STRENGTH 150,000 PSI. AS PER ATTACHED DRAWING DATED MARCH 2009.	140 EA				
45	SN580 IRONHAWK	NUT, LOCK, HEX, 5/8 IN. X 11 THREAD, STOVER, GRADE 8, ZINC PLATED AND WAXED FOR PLOW BLADE BOLT, PACKAGE OF 100 EACH, AS PER ATTACHED DRAWING DATED MARCH 2009.	4,000 EA				
52	1012483 KENNAMETAL	WEAR SHOE WITH CARBIDE INSERT, 1-1/2 IN. X 5-3/4 IN. X 13-3/4 IN., STANDARD HIGHWAY PUNCHING, STANDARD HOLE SPACING, 6 IN. CENTERS, PUNCHING SHALL BE 11/16 IN. SQUARE HOLES WITH COUNTERSINK OF 80 TO 82 DEGREES, .120 IN. MINIMUM DEPTH TO .180 IN. MAXIMUM DEPTH. AS PER ATTACHED DRAWING DATED 01/08/2016.	10 EA				
1679	OR-631 VALK	PIN, EYE CONNECTOR, SWIVEL EYE BAR.	20 EA				
1680	OR-632 VALK	PIN, LATCH CONNECTOR, SWIVEL 2 IN. EYE BAR.	20 EA				
1681	1308005 BUYERS PRODUCTS	GUIDE, ASSEMBLY, TO CONSIST OF 2 EACH 24 IN., SAFETY ORANGE, FIBERGLASS GUIDES WITH MOUNTING HARDWARE (2 BRACKETS, 2 EACH 1/4 IN. X 1-1/4 IN. CAP SCREWS AND 2 EACH 1/4 IN. LOCKNUTS). WITH 3/8 IN. STEEL REINFORCED CABLE.	80 EA				
1684	O-666 VALK	SPRING, PLOW RAM, O-666 VALK.	5 EA	14 days	as specified	\$223.00	\$1,115.00
1685	O-668 VALK	SPRING, PLOW (SM), O-668 VALK.	5 EA	14 days	as specified	\$179.00	\$895.00
1686	OR638-1 (3 HOLE) VALK	BUTT, SEMI-CIRCLE MOLDBOARD HINGE, RIGHT OR LEFT, 3- HOLE.	10 EA	14 days	as specified	\$51.00	\$510.00
1687	O-670 VALK	ROD, TENSION 2 IN., O-670 VALK.	5 EA	14 days	as specified	\$129.00	\$645.00
1688	OR-634 VALK	PIN, SEMI CIRCLE LOCK, OR-634 VALK.	10 EA	14 days	as specified	\$20.00	\$200.00
1689	OR-649 VALK	SHACKLE W/BOLT, NUT, COTTER PIN, 1/2 IN., 4,000 LB WORKING LOAD LIMIT, OR-649 VALK.	50 EA	14 days	as specified	\$21.00	\$1,050.00
1691	O-674 VALK	SPRING, RECOIL CYLINDER, VALK PLOW.	20 EA	14 days	as specified	\$41.00	\$820.00
1692	O-672 VALK	CONNECTOR, ROD T.	5 EA	14 days	as specified	\$147.00	\$735.00
1694	O-676 VALK	RING, SEPARATOR FOR VALK PLOW WITH LARGE (2 IN) TRIP CYLINDER (SAP 1701).	5 EA	14 days	as specified	\$18.00	\$90.00
1695	O-681 VALK	TUBE, INSIDE ASSEMBLY, FOR VALK V610 PLOW.	5 EA	14 days	as specified	\$235.00	\$1,175.00
1696	OR-646 VALK	PIN, HINGE, SEMI CIRCLE.	15 EA	14 days	as specified	\$12.00	\$180.00
1701	O-664 VALK	TRIP CYLINDER ASSEMBLY, 8-5/8 IN. OUTSIDE DIAMETER, FOR V600 AND 700 SERIES VALK PLOW, 712, 721 AND 721B.	5 EA	14 days	as specified	\$1,345.00	\$6,725.00
1702	R665 VALK	TRIP CYLINDER ASSEMBLY, 6 IN. OUTSIDE DIAMETER, VALK POWER ANGLE AND MODEL 731 PLOWS.	10 EA	14 days	as specified	\$925.00	\$9,250.00
1704	R-677 VALK	RING, SEPARATOR, FOR VALK RVS SERIES PLOW WITH SMALL (1-1/2 IN) TRIP CYLINDER (SAP 1702).	5 EA	14 days	as specified	\$16.00	\$80.00
1705	R-673 VALK	TEE, CONNECTOR, FOR VALK RVS SERIES PLOW.	5 EA				
1706	HY-410D.A. VALK	CYLINDER, ANGLE, DOUBLE ACTING, FOR VALK RVS SERIES PLOW.	10 EA				
1707	R-667 VALK	SPRING, OUTER, 5-1/2 IN. O.D., FOR 6 IN. VALK TRIP CYLINDER RVS SERIES PLOW.	5 EA				
1708	R-669 VALK	SPRING, INNER, 3-1/4 IN. O.D., FOR 6 IN. VALK TRIP CYLINDER RVS SERIES PLOW.	5 EA				
9481	R-671 VALK	TENSION ROD, 1-1/2 IN. O.D. FOR USE IN R-665 6 IN. TRIP CYLINDER.	10 EA				
9960	5/8X6X144 VALK	BLADE, SNOW PLOW, 5/8 IN. X 6 IN. X 144 IN., STANDARD HIGHWAY PUNCH 14 HOLES, 1-1/2 IN. FROM TOP, PUNCHING SHALL BE 11/16 IN. SQUARE HOLES. CARBON STEEL, AISI 1074, ROCKWELL HARDNESS RANGE OF C-22 TO C-30 EACH BLADE SHALL BE ETCHED, PUNCHED OR STAMPED ON THE UPPER RIGHT-HAND CORNER WITH DATE OF MANUFACTURE AND MANUFACTURER'S NAME, AS PER ATTACHED DRAWING DATED MARCH 2010.	30 EA	21 days	as specified	\$121.25	\$3,637.50
9961	5/8X6X120 VALK	BLADE, SNOW PLOW, 5/8 IN. X 6 IN. X 120 IN., STANDARD HIGHWAY PUNCH 12 HOLES, 1-1/2 IN. FROM TOP, PUNCHING SHALL BE 11/16 IN. SQUARE HOLES. CARBON STEEL, AISI 1074, ROCKWELL HARDNESS RANGE OF C-22 TO C-30 EACH BLADE SHALL BE ETCHED, PUNCHED OR STAMPED IN THE UPPER RIGHT-HAND CORNER WITH DATE OF MANUFACTURE AND MANUFACTURER'S NAME, AS PER ATTACHED DRAWING DATED MARCH 2010.	15 EA	21 days	as specified	\$101.04	\$1,515.60
9962	5/8X/6/132 VALK	BLADE, SNOW PLOW, 5/8 IN. X 6 IN. X 132 IN., STANDARD HIGHWAY PUNCH 13 HOLES, 1-1/2 IN. FROM TOP, PUNCHING SHALL BE 11/16 IN. SQUARE HOLES. CARBON STEEL, AISI 1074, ROCKWELL HARDNESS RANGE OF C-22 TO C-30, EACH BLADE SHALL BE ETCHED, PUNCHED OR STAMPED IN THE UPPER RIGHT-HAND CORNER WITH DATE OF MANUFACTURE AND MANUFACTURER'S NAME. AS PER ATTACHED DRAWING DATED MARCH 2010.	15 EA	21 days	as specified	\$111.14	\$1,667.10
10023	PA781 VALK	TUBE, INSIDE ASSEMBLY, FOR VALK MODEL 731 PLOW, FITS IN TRIP CYLINDER R665 VALK.	5 EA	14 days	as specified	\$195.00	\$975.00
10185	44997 WESTERN	BLADE, COVER AND CUTTING, 1/2 IN. X 6 IN. X 40-3/4 IN.	10 EA	21 days		\$35.70	\$357.00
10186	44890 WESTERN	BLADE, CENTER CUTTING EDGE, PASSENGER SIDE.	5 EA	21 days		\$54.92	\$274.60
10187	44891 WESTERN	BLADE, CENTER CUTTING EDGE, DRIVER SIDE.	5 EA	21 days		\$54.92	\$274.60
10720	SK60-16X12X50 KURIYAMA	SKIRTBOARD, RUBBER BELTING BLACK, 1/2 IN. THICK, 12 IN. WIDE, MUST BE PURCHASED IN 50 FT ROLL.	85 EA				
11024	PA-648 VALK	BLOCK, SWIVEL LIFT CHAIN PLATE, COMPLETE.	10 EA	21 days	as specified	\$164.00	\$1,640.00
11364	RBR-14 VALK	PLOW BLADE, RETAINER BLADE, 1/4 IN X 3 IN X 14 FOOT, FOR VALK SD-14L/QA LOADER MOUNTED PLOW.	1 EA	21 days	as specified	\$92.00	\$92.00
11365	RBR-16 VALK	PLOW BLADE, RETAINER BLADE, 1/4 IN X 3 IN X 16 FOOT, FOR VALK SD-16L/QA LOADER MOUNTED PLOW.	1 EA				
11366	RB-10-14 VALK	PLOW BLADE, RUBBER CUT EDGE, 1-1/2 IN X 10 IN X 14 FOOT, FOR VALK SD-14L/QA LOADER MOUNTED PLOW.	1 EA				
11367	RB-10-16 VALK	PLOW BLADE, RUBBER CUT EDGE, 1-1/2 IN X 10 IN X 16 FOOT, FOR VALK SD-16L/QA LOADER MOUNTED PLOW.	1 EA				
11368	SD-16L-405L VALK	SHOE, WEAR, LEFT SIDE, FOR VALK, SD-10L/QA, SD-12L/QA, SD-14L/QA AND SD-16L/QA LOADER MOUNTED PLOW.	1 EA				
11369	SD-16L-405R VALK	SHOE, WEAR, RIGHT SIDE, FOR VALK, SD-10L/QA, SD-12L/QA, SD-14L/QA AND SD-16L/QA LOADER MOUNTED PLOW.	1 EA	14 days	as specified	\$98.00	\$98.00
11370	R-680 VALK	HOUSING, TRIP CYLINDER, 6 IN., FOR VALK RSV REVERSIBLE PLOWS.	1 EA	14 days	as specified	\$225.00	\$225.00
13596	RB-10-10 VALK	PLOW BLADE, RUBBER CUTTING EDGE, 1-1/2 IN. X 10 IN. X 10 FOOT, FOR VALK SD-10L/QA LOADER MOUNTED PLOW.	1 EA	21 days	as specified	\$270.00	\$270.00
13597	RBR-10 VALK	PLOW BLADE RETAINER STRAP, 1/4 IN. X 3 IN. X 10 FOOT, FOR VALK SD-10L/QA LOADER MOUNTED PLOW.	1 EA	21 days	as specified	\$66.00	\$66.00



Bid Tabulation - PA Turnpike Commission				Valk Manufacturing Company			
Bid 166000-2019				New Kingstown, PA			
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Material	Primary Mfg Part Number	Description	Estimated Quantity (1-year usage)	Lead Time (days or weeks)	Vendor Product Number	Unit Price	Estimated Total Price
13598	RBR-12 VALK	PLOW BLADE RETAINER STRAP, 1/4 IN. X 3 IN. X 12 FOOT, FOR VALK SD-12L/QA LOADER MOUNTED PLOW.	1 EA	21 days	as specified	\$79.00	\$79.00
13599	RB-10-12 VALK	PLOW BLADE RUBBER CUTTING EDGE, 1-1/2 IN. X 10 IN. X 12 FOOT, FOR VALK SD-12L/QA LOADER MOUNTED PLOW.	1 EA	21 days	as specified	\$324.00	\$324.00
14026	1400-1230 HENKE	NOSE GUARD, HENKE, CUSTOM, PA TURNPIKE.	2 EA				
14363	429-0059 HENKE	PUSHBEAM TUBE ASSEMBLY, INNER, FOR HENKE PW-PA-TPK-16 RIGHT WING PLOW.	2 EA				
		AWARDED ITEMS					\$24,594.00



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Minco Industrial Services Inc Jonestown, PA 1278
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Material	Primary Mfg Part Number	Description	Estimated Quantity (1-year usage)	Lead Time (days or weeks)	Vendor Product Number	Unit Price	Estimated Total Price
12691	W9C15042 WAUSAU	CYLINDER, PLOW LIFT 4 IN. BORE X 10 IN. STROKE, WAUSAU.	1 EA	5 days	9C-15042	\$449.00	\$449.00
13014	9C-00325 WAUSAU	SCREW, CAP, HEX HEAD, 1 INCH NC X 4 1/2 INCH, GRADE 8, WAUSAU PIVOT TO PLOW MOUNT.	0 EA	5 days	9C-00325	\$3.90	\$0.00
13015	9C-00330 WAUSAU	SCREW, CAP, HEX HEAD, 1 INCH NC X 7 INCH, GRADE 8, TO MOUNT HEEL CYLINDER TO OUTER TUBE.	0 EA	5 days	9C-00330	\$7.22	\$0.00
13016	2P-17942 WAUSAU	CLEVIS BOSS, TO MOUNT PIVOT CLEVIS TO FRONT TUBE.	0 EA	5 days	2P-17942	\$93.95	\$0.00
13017	2W-17242-01 WAUSAU	WELDMENT, ANCHOR TELETUBE, WAUSAU TWIN CYLINDER, LH MOUNT TO BACK OF WING PLOW.	0 EA	5 days	2W-17242-01	\$283.11	\$0.00
13018	W4W-08466 WAUSAU	PIN, LOWER RECEIVER PLOW.	0 EA	3 weeks	W4W-08466	\$75.00	\$0.00
13019	2P-17307 WAUSAU	PIN, 1 INCH DIAMETER X 4 3/4 INCH LONG, TO MOUNT CYLINDER.	0 EA	5 days	2P-17307	\$28.00	\$0.00
13020	2P-17945-002 WAUSAU	PIN, PIVOT, FOR WING AND PIVOT CLEVIS.	0 EA	5 days	2P-17495-002	\$57.00	\$0.00
13021	2W-17285 WAUSAU	WELDMENT, TELETUBE, REAR, RIGHT HAND.	0 EA	2 weeks	2W-17285	\$698.87	\$0.00
13022	2W-17285-01 WAUSAU	WELDMENT, TELETUBE, REAR, LEFT HAND.	0 EA	3 weeks	2W-17285-01	\$698.87	\$0.00
13027	2P-17945-001 WAUSAU	PIN, PIVOT, FOR FRONT MOUNT ON HEEL LIFT CYLINDER.	0 EA	5 days	2P-17945-001	\$56.72	\$0.00
13028	2P-17945-003 WAUSAU	PIN, PIVOT, FOR REAR MOUNT ON HEEL LIFT CYLINDER.	0 EA	5 days	2P-17945-003	\$50.00	\$0.00
13029	2W-17242 WAUSAU	WELDMENT, ANCHOR TELETUBE, WAUSAU TWIN CYLINDER, RH MOUNT TO BACK OF WING PLOW.	0 EA	5 days	2W-17242	\$283.11	\$0.00

Material	Primary Mfg Part Number	Description	Estimated Quantity (1-year usage)	Lead Time (days or weeks)	Vendor Product Number	Unit Price	Estimated Total Price
13030	9C-15045 WAUSAU	CYLINDER, HYDRAULIC, LIFT, FRONT POST.	0 EA	5 days	9C-15045	\$315.00	\$0.00
13053	9C-00007 WAUSAU	LINK, CHAIN, REPAIR, 1/2 IN. X 2-1/2 IN., FOR WAUSAU FRONT TUBE.	0 EA	5 days	9C-00007	\$3.92	\$0.00
13054	2A-18336 WAUSAU	CYLINDER, HYDRAULIC, HEEL LIFT, COMPLETE WITH CLEVIS.	5 EA	2 weeks	2A-18336	\$1,498.00	\$7,490.00
13055	9C-15043 WAUSAU	CYLINDER, HYDRAULIC, HEEL LIFT, CYLINDER ONLY.	10 EA	5 days	9C-15043	\$650.00	\$6,500.00
13056	9C-15044 WAUSAU	CYLINDER, HYDRAULIC, SIDE SHIFT.	5 EA	5 days	9C-15044	\$439.00	\$2,195.00
13057	2W-17941 WAUSAU	WELDMENT, PIVOT, FOR FRONT MOUNT ON HEEL LIFT CYLINDER.	5 EA	5 days	2W-17941	\$169.00	\$845.00
13058	2W-17292 WAUSAU	WELDMENT, REAR CLEVIS, FOR HEEL CYLINDER.	0 EA	5 days	2W-17292	\$108.00	\$0.00
13059	2A-18334-01 WAUSAU	WELDMENT, LEFT HAND FRONT TUBE ASSEMBLY, COMPLETE, FOR 12 FT. PATROL WING DUAL CYLINDER.	0 EA	2 weeks	2A-18334-01	\$1,341.00	\$0.00
13060	2W-17281-01 WAUSAU	WELDMENT, LEFT HAND FRONT TUBE ONLY, NO PIVOT, FOR 12 FT. PATROL WING DUAL CYLINDER.	0 EA	5 days	2W-17281-01	\$400.00	\$0.00
13061	2W-17295 WAUSAU	WELDMENT, PIVOT CLEVIS, FOR INNER TUBE ASSEMBLY, FITS LEFT AND RIGHT HAND WING PLOW.	0 EA	5 days	2W-17298	\$245.00	\$0.00
13062	2A-18334 WAUSAU	WELDMENT, RIGHT HAND FRONT TUBE ASSEMBLY, COMPLETE, FOR 12 FT. PATROL WING DUAL CYLINDER.	0 EA	2 weeks	2A-18334-01	\$1,341.00	\$0.00
13063	2W-17281 WAUSAU	WELDMENT, RIGHT HAND FRONT TUBE ONLY, NO PIVOT, FOR 12 FT. PATROL WING DUAL CYLINDER.	0 EA	2 weeks	2W-17281	\$399.00	\$0.00
13064	2W-17300 WAUSAU	WELDMENT, WING CLEVIS, FOR INNER TUBE ASSEMBLY, FITS LEFT AND RIGHT HAND WING PLOW.	0 EA	5 days	2W-17300	\$158.00	\$0.00
13155	2P-17246 WAUSAU	BOLT, FRONT POST WING, 3-3/4 IN. X 1-1/2 IN., NC, WITH PRE-DRILLED HOLE FOR COTTER KEY, FOR WAUSAU DUAL CYLINDER.	0 EA	5 days	2P-17246	\$39.41	\$0.00

Material	Primary Mfg Part Number	Description	Estimated Quantity (1-year usage)	Lead Time (days or weeks)	Vendor Product Number	Unit Price	Estimated Total Price
13156	9C-00169 WAUSAU	WASHER, FLAT, 1-1/2 IN., FOR FRONT POST ASSEMBLY.	5 EA	5 days	9C-00169	\$2.42	\$12.10
13157	9C-00737 WAUSAU	NUT, CASTLE, 1-1/2 IN., NC, FOR FRONT POST ASSEMBLY.	5 EA	5 days	9C-00737	\$5.10	\$25.50
13221	2P-05564 WAUSAU	CLEVIS, ON END OF TOP AND BOTTOM BRACE, FOR WAUSAU SINGLE CYLINDER WINGS.	5 EA	5 days	2P-05564	\$99.20	\$496.00
13222	2W-11653 WAUSAU	WELDMENT, LONG TOP OUTER TUBE, FOR WAUSAU SINGLE CYLINDER WINGS.	0 EA	2 weeks	2W-11653	\$969.00	\$0.00
13223	9C-00354 WAUSAU	BOLT, 1-1/4 INCH X 4-1/4 INCH NC THREAD, FOR CLEVIS ON WAUSAU SINGLE CYLINDER WINGS.	5 EA	5 days	9C-00354	\$16.00	\$80.00
13224	2P-18177 WAUSAU	BOLT, FRONT POST WING, 4 X 1-1/2 in. NC THREAD, WITH PRE-DRILLED HOLE FOR COTTER KEY, FOR WAUSAU SINGLE CYLINDER WINGS.	0 EA	5 days	2P-18177	\$40.00	\$0.00
13225	2W-11665 WAUSAU	WELDMENT, BOTTOM OUTER TUBE, FOR WAUSAU SINGLE CYLINDER WINGS.	0 EA	2 weeks	2W-11665	\$393.48	\$0.00
13226	2A-11667 WAUSAU	ASSEMBLY, BOTTOM WING BRACE, FOR WAUSAU SINGLE CYLINDER WINGS.	0 EA	2 weeks	2A-116677	\$1,274.00	\$0.00
13227	9C-09918 WAUSAU	CYLINDER, WING DECEL, FOR WAUSAU SINGLE CYLINDER WINGS.	5 EA	5 days	9C-09918	\$1,198.00	\$5,990.00
13228	217-20-0075 MINCO INDUSTRIAL SERVICES IN	KNUCKLE, WAUSAU PATROL DUAL CYLINDER WING PLOW.	0 EA	5 days	217-20-0075	\$355.45	\$0.00
13233	2W-11658 WAUSAU	WELDMENT, SHORT TOP OUTER TUBE, FOR WAUSAU SINGLE CYLINDER WINGS.	0 EA	5 days	2W-11658	\$236.00	\$0.00
13234	9C-08181 WAUSAU	SPRING, UPPER WING BRACE, FOR WAUSAU SINGLE CYLINDER WINGS.	0 EA	5 days	9C-08181	\$319.00	\$0.00
13235	2W-18188 WAUSAU	WELDMENT, TELETUBE ANCHOR, FOR WAUSAU SINGLE CYLINDER WINGS.	0 EA	5 days	2W-18188	\$210.00	\$0.00
13236	2A-11666 WAUSAU	ASSEMBLY, TOP WING BRACE, FOR WAUSAU SINGLE CYLINDER WINGS.	0 EA	3 weeks	2A-11666	\$2,190.75	\$0.00

Material	Primary Mfg Part Number	Description	Estimated Quantity (1-year usage)	Lead Time (days or weeks)	Vendor Product Number	Unit Price	Estimated Total Price
13237	2W-11663 WAUSAU	WELDMENT, INNER TUBE <(>&<)> COLLAR, USED ON TOP AND BOTTOM BRACE, FOR WAUSAU SINGLE CYLINDER WINGS.	0 EA	2 weeks	2W-116633	\$467.00	\$0.00
13893	2P-11022 WAUSAU	SPRING, TORSION, ON WAUSAU SINGLE CYLINDER WING FRONT POST.	0 EA	5 days	2P-11022	\$144.73	\$0.00
13925	2P-11023 WAUSAU	U-BOLT, 5/8 IN. NC, FOR TORSION SPRING ON WAUSAU SINGLE CYLINDER WING FRONT POST.	0 EA	5 days	2P-11023	\$52.46	\$0.00
14353	2W11021 WAUSAU	SHAFT WELDMENT, WAUSAU, FOR FRONT TRIP ON WAUSAU MODEL SPW, SINGLE CYLINDER RIGHT WINGS.	5 EA				
14354	2A18171 WAUSAU	TRIP DEE ASSEMBLY, COMPLETE, FRONT TRIP ON WAUSAU MODEL SPW, SINGLE CYLINDER RIGHT WINGS.	5 EA				
14355	2W18176 WAUSAU	BACK PLATE WELDMENT FOR FRONT TRIP ON WAUSAU MODEL SPW, SINGLE CYLINDER RIGHT WINGS.	5 EA				
14356	2W18172 WAUSAU	MOUNTING PLATE WELDMENT FOR FRONT TRIP ON WAUSAU MODEL SPW, SINGLE CYLINDER RIGHT WINGS.	5 EA				

\$24,082.60