Bid Tabulation - PA Turnpike Commission Winter Equipment Company, Inc 166000-2019 Willoughby, OH 7/22/2019 Unit Price | Estimated Total Lead Time **Vendor Product Number** Material Primary Mfg Part Description Quantity (days or Number (1-year usage) 14-21 Days PS6412D WINTER EQUIPMENT 137 EA \$12,830.05 31 2038043 KENNAMETAL | BLADE SAVER, CENTER, ISOLATED CARBIDE 1 IN. X 6 IN. X 21 IN., STANDARD HIGHWAY \$93.65 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. 1,600 EA 14 Days PB30495 WINTER EQUIPMENT \$1.29 \$2,064.00 **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 PB30465 WINTER EQUIPMENT 250 EA 14 Days \$0.55 \$137.50 PB30465 WINTER 41 PLOW BOLT, 5/8 IN. X 11 THREAD X 2 IN., GRADE 8, EQUIPMENT #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 PB30485 WINTER EQUPMENT \$0.91 \$864.50 42 PB30485 WINTER PLOW BOLT, 5/8 IN. X 11 THREAD X 3 IN., GRADE 8, #3 DOME HEAD TO CONFORM TO SAE EQUIPMENT J 429 AND AMERICAN STAN- DARD B18.9-1958, TENSILE STRENGTH 150,000 PSI. AS PER ATTACHED DRAWING DATED MARCH 2009. \$191.80 PLOW BOLT, 5/8 IN. X 11 THREAD X 5 IN., GRADE 8, #3 DOME HEAD TO CONFORM TO SAE 140 EA PB30505 WINTER EQUIPMENT \$1.37 PB30505 WINTER 14 Days 43 EQUIPMENT J 429 AND AMERICAN STAN- DARD B18.9-1958, TENSILE STRENGTH 150,000 PSI. AS PER ATTACHED DRAWING DATED MARCH 2009. 4,000 EA 14 Days SN10510 WINTER EQUIPMENT \$880.00 \$0.22 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 10 EA 14-21 Days FS70531C WINTER EQUIPMENT \$142.32 \$1,423.20 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. 20 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. 80 EA 1681 1308005 BUYERS GUIDE, ASSEMBLY, TO CONSIST OF 2 EACH 24 IN., SAFETY ORANGE, FIBERGLASS GUIDES **PRODUCTS** 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. 5 EA 1684 O-666 VALK SPRING, PLOW RAM, O-666 VALK. 5 EA 1685 O-668 VALK SPRING, PLOW (SM), O-668 VALK. 10 EA 1686 OR638-1 (3 HOLE) VALK BUTT, SEMI-CIRCLE MOLDBOARD HINGE, RIGHT OR LEFT, 3- HOLE. 5 EA 1687 O-670 VALK ROD, TENSION 2 IN., O-670 VALK. 10 EA 1688 PIN, SEMI CIRCLE LOCK, OR-634 VALK. OR-634 VALK 50 EA 1689 OR-649 VALK SHACKLE W/BOLT, NUT, COTTER PIN, 1/2 IN., 4,000 LB WORKING LOAD LIMIT, OR-649 20 EA 1691 O-674 VALK SPRING, RECOIL CYLINDER, VALK PLOW. 5 EA 1692 O-672 VALK CONNECTOR, ROD T. 5 EA RING, SEPARATOR FOR VALK PLOW WITH LARGE (2 IN) TRIP CYLINDER (SAP 1701). 1694 O-676 VALK 5 EA 1695 0-681 VALK TUBE, INSIDE ASSEMBLY, FOR VALK V610 PLOW. PIN, HINGE, SEMI CIRCLE. 1696 OR-646 VALK 1701 TRIP CYLINDER ASSEMBLY, 8-5/8 IN. OUTSIDE DIAMETER, FOR V600 AND 700 SERIES VALK PLOW, 712, 721 AND 721B. 10 EA 1702 R665 VALK TRIP CYLINDER ASSEMBLY, 6 IN. OUTSIDE DIAMETER, VALK POWER ANGLE AND MODEL 731 PLOWS R-677 VALK 5 EA RING, SEPARATOR, FOR VALK RVS SERIES PLOW WITH SMALL (1-1/2 IN) TRIP CYLINDER 1704 (SAP 1702). R-673 VALK TEE, CONNECTOR, FOR VALK RVS SERIES PLOW. 5 EA 1705 10 EA CYLINDER, ANGLE, DOUBLE ACTING, FOR VALK RVS SERIES PLOW. 1706 HY-410D.A. VALK 5 EA 1707 R-667 VALK SPRING, OUTER, 5-1/2 IN. O.D., FOR 6 IN. VALK TRIP CYLINDER RVS SERIES PLOW. 5 EA R-669 VALK 1708 SPRING, INNER, 3-1/4 IN. O.D., FOR 6 IN. VALK TRIP CYLINDER RVS SERIES PLOW. 10 EA 9481 R-671 VALK TENSION ROD, 1-1/2 IN. O.D. FOR USE IN R-665 6 IN. TRIP CYLINDER. 30 EA 28 Days PBA5614454 BLACK CAT \$100.10 \$3,003.00 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 N/ADCU 2010 15 EA PBA5612054 BLACK CAT \$83.41 \$1,251.15 5/8X6X120 VALK BLADE, SNOW PLOW, 5/8 IN. X 6 IN. X 120 IN., STANDARD HIGHWAY PUNCH 12 HOLES, 1-9961 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 PBA5813254 BLACK CAT BLADE, SNOW PLOW, 5/8 IN. X 6 IN. X 132 IN., STANDARD HIGHWAY PUNCH 13 HOLES, 1-15 EA \$122.89 \$1,843.35 9962 5/8X/6/132 VALK 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 5 EA 10023 PA781 VALK TUBE, INSIDE ASSEMBLY, FOR VALK MODEL 731 PLOW, FITS IN TRIP CYLINDER R665 VALK. 10 EA WES 44884 BLACK CAT Same \$427.10 \$42.71 10185 44997 WESTERN BLADE, COVER AND CUTTING, 1/2 IN. X 6 IN. X 40-3/4 IN. as WES 44997 90-120 Days FIS D39504HD BLACK CAT 5 EA \$331.95 \$66.39 10186 44890 WESTERN BLADE, CENTER CUTTING EDGE, PASSENGER SIDE. Same as WES 44890 5 EA 90-120 Days FIS D39505HD BLACK CAT \$66.39 \$331.95 10187 44891 WESTERN BLADE, CENTER CUTTING EDGE, DRIVER SIDE. Same as WES 44891 85 EA 10720 SK60-16X12X50 SKIRTBOARD, RUBBER BELTING BLACK, 1/2 IN. THICK, 12 IN. WIDE, MUST BE PURCHASED KURIYAMA BLOCK, SWIVEL LIFT CHAIN PLATE, COMPLETE. 10 EA PA-648 VALK 11024 1 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 1 EA 14-21 Days RB22YS1WF WINTER \$450.80 \$450.80 RB-10-14 VALK 11366 PLOW BLADE, RUBBER CUT EDGE, 1-1/2 IN X 10 IN X 14 FOOT, FOR VALK SD-14L/QA EQUIPMENT LOADER MOUNTED PLOW. 14-21 Days RB22ZS1WF WINTER 1 EA \$515.20 \$515.20 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 EQUIPMENT 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.

Bid Tabula	tion - PA Turnpike Com	mission			Winter Equipment Cor	npany, Inc			
Bid	166000-2019			Willoughby, OH					
	7/22/2019				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		

Bid	166000-2019 7/22/2019				,		
Material		Description	Estimated Quantity (1-year usage)	Lead Time (days or weeks)	Vendor Product Number	Unit Price	Estimated Tota Price
1	2038043 KENNAMETAL	BLADE SAVER, CENTER, ISOLATED CARBIDE 1 IN. X 6 IN. X 21 IN., STANDARD HIGHWAY	137 EA		EGRD-PICK-PATPK	\$151.60	\$20,769
		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					
lO Ol	PB30495 JOMA	MINIMI IM THICKNESS AS PER ATTACHED DRAWING DATED MARCH 2009 PLOW BOLT, 5/8 IN. X 11 THREAD X 4 IN., GRADE 8, #3 DOME HEAD TO CONFORM TO SAE	1,600 EA		HDWR-BLA-00004A	\$1.00	\$1,60
	P B30433 JOIVIA	J 429 AND AMERICAN STAN- DARD B18.9-1958, TENSILE STRENGTH 150,000 PSI. AS PER	1,000 =: 1			*	41,00
14		ATTACHED DRAWING DATED MARCH 2009.	250 EA		HDWR-BLA-00001	\$0.60	\$15
<b>1</b> 1	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-	250 EA		HDWK-BLA-00001	\$0.00	\$130
		DARD B18.9-1958, TENSILE STRENGTH 150,000 PSI.					
12	PB30485 WINTER	AS PFR ATTACHED DRAWING DATED MARCH 2009. PLOW BOLT, 5/8 IN. X 11 THREAD X 3 IN., GRADE 8, #3 DOME HEAD TO CONFORM TO SAE	950 EA	_	HDWR-BLA-00002	\$0.80	\$76
	EQUIPMENT	J 429 AND AMERICAN STAN- DARD B18.9-1958, TENSILE STRENGTH 150,000 PSI. AS PER					·
13	PB30505 WINTER	ATTACHED DRAWING DATED MARCH 2009.	140 EA		HDWR-BLA-00011	\$1.20	\$168
13	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	140 EX		TIDWIN BEA GOOTT	ψ1.20	Ψ100
		ATTACHED DRAWING DATED MARCH 2009.	4 000 54		LIDWD DI A 00000	<b>\$0.25</b>	¢4.00
15	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	4,000 EA		HDWR-BLA-00023	\$0.25	\$1,00
		2009.					
52	1012483 KENNAMETAL		10 EA				
		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.					
L679	OR-631 VALK	PIN, EYE CONNECTOR, SWIVEL EYE BAR.	20 EA				
1680	OR-631 VALK	PIN, LATCH CONNECTOR, SWIVEL 2 IN. EYE BAR.	20 EA				
1681	1308005 BUYERS	GUIDE, ASSEMBLY, TO CONSIST OF 2 EACH 24 IN., SAFETY ORANGE, FIBERGLASS GUIDES	80 EA				
	PRODUCTS	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.					
L684	O-666 VALK	SPRING, PLOW RAM, O-666 VALK.	5 EA				
1685	O-668 VALK	SPRING, PLOW (SM), O-668 VALK.	5 EA 10 EA				
1686	OR638-1 (3 HOLE) VALK	BUTT, SEMI-CIRCLE MOLDBOARD HINGE, RIGHT OR LEFT, 3- HOLE.	IU EA				
1687	O-670 VALK	ROD, TENSION 2 IN., O-670 VALK.	5 EA				
1688	OR-634 VALK OR-649 VALK	PIN, SEMI CIRCLE LOCK, OR-634 VALK.	10 EA 50 EA				
1689	OR-649 VALK	SHACKLE W/BOLT, NUT, COTTER PIN, 1/2 IN., 4,000 LB WORKING LOAD LIMIT, OR-649 VALK.	JO LA				
1691	O-674 VALK	SPRING, RECOIL CYLINDER, VALK PLOW.	20 EA				
1692 1694	O-672 VALK O-676 VALK	CONNECTOR, ROD T. RING, SEPARATOR FOR VALK PLOW WITH LARGE (2 IN) TRIP CYLINDER (SAP 1701).	5 EA 5 EA				
1695	0-681 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	10 EA				
1704	R-677 VALK	731 PLOWS. RING, SEPARATOR, FOR VALK RVS SERIES PLOW WITH SMALL (1-1/2 IN) TRIP CYLINDER	5 EA				
1704	R-0// VALK	(SAP 1702).	JEA				
1705	R-673 VALK	TEE, CONNECTOR, FOR VALK RVS SERIES PLOW.	5 EA				
1706 1707	HY-410D.A. VALK R-667 VALK	CYLINDER, ANGLE, DOUBLE ACTING, FOR VALK RVS SERIES PLOW.  SPRING, OUTER, 5-1/2 IN. O.D., FOR 6 IN. VALK TRIP CYLINDER RVS SERIES PLOW.	10 EA 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		EDDIDOO A GO 400	\$405.00	ФО 4 <i>5</i> /
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	30 EA		EPBTPSQA-20488	\$105.00	\$3,150
		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					
9961	5/8X6X120 VALK	BLADE, SNOW PLOW, 5/8 IN. X 6 IN. X 120 IN., STANDARD HIGHWAY PUNCH 12 HOLES, 1-	15 EA		EPBTPSWA-20489	\$95.00	\$1,425
		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					
9962	5/8X/6/132 VALK	BLADE, SNOW PLOW, 5/8 IN. X 6 IN. X 132 IN., STANDARD HIGHWAY PUNCH 13 HOLES, 1-	15 EA		EPBTPSWA-20403	\$100.00	\$1,500
		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					
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	\$30
.0186	44890 WESTERN	BLADE, CENTER CUTTING EDGE, PASSENGER SIDE.	5 EA		EPU-EXTV-R	\$25.00	\$12
.0187	44891 WESTERN	BLADE, CENTER CUTTING EDGE, DRIVER SIDE.	5 EA		EPU-EXTV-L	\$25.00	\$12
			85 EA				
.0720	SK60-16X12X50 KURIYAMA	SKIRTBOARD, RUBBER BELTING BLACK, 1/2 IN. THICK, 12 IN. WIDE, MUST BE PURCHASED IN 50 FT ROLL.	OJ EA				
.1024	PA-648 VALK	BLOCK, SWIVEL LIFT CHAIN PLATE, COMPLETE.	10 EA				
1364	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				
1365	RBR-16 VALK	PLOW BLADE, RETAINER BLADE, 1/4 IN X 3 IN X 16 FOOT, FOR VALK SD-16L/QA LOADER	1 EA				
		MOUNTED PLOW.	4.54				
.1366	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				
1367	RB-10-16 VALK	PLOW BLADE, RUBBER CUT EDGE, 1-1/2 IN X 10 IN X 16 FOOT, FOR VALK SD-16L/QA	1 EA				
1260	SD-16L 40EL VALK	LOADER MOUNTED PLOW.  SHOE WEAR LEFT SIDE FOR VALK SD-10L/OA SD-12L/OA SD-14L/OA AND SD-16L/OA	1 EA				
1368	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.					
1369	SD-16L-405R VALK	SHOE, WEAR, RIGHT SIDE, FOR VALK, SD-10L/QA, SD-12L/QA, SD-14L/QA AND SD-16L/QA	1 EA				
1370	R-680 VALK	LOADER MOUNTED PLOW. HOUSING, TRIP CYLINDER, 6 IN., FOR VALK RSV REVERSIBLE PLOWS.	1 EA				
3596	RB-10-10 VALK	PLOW BLADE, RUBBER CUTTING EDGE, 1-1/2 IN. X 10 IN. X 10 FOOT, FOR VALK SD-10L/QA	1 EA		ERBL10A00000004	\$285.00	\$28
		LOADER MOUNTED PLOW.	1 EA		EDD: 01 :::		\$4
3597	RBR-10 VALK	PLOW BLADE RETAINER STRAP, 1/4 IN. X 3 IN. X 10 FOOT, FOR VALK SD-10L/QA LOADER	. <b>-</b> A		ERBLCLAMP-002	\$45.00	. \$

Bid Tabula	ation - PA Turnpike Commission				Chemung Suppl	y Corp.	
Bid	166000-2019				Elmira, N	1	
	7/22/2019				39		
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

Bid	166000-2019 7/22/2019				Jonestown, PA 1278					
Material	Primary Mfg Part Number	Description	Estimated Quantity (1-year usage)	Lead Time (days or weeks)	Vendor Product Number	Unit Price	Estimated Tota Price			
31	2038043 KENNAMETAL	BLADE SAVER, CENTER, ISOLATED CARBIDE 1 IN. X 6 IN. X 21 IN., STANDARD HIGHWAY	137 EA							
		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								
40	DD20405 10044	MINIMIIM THICKNESS AS PER ATTACHED DRAWING DATED MARCH 2009	1,600 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	1,600 EA							
41	DD2046F WINTED	ATTACHED DRAWING DATED MARCH 2009.	250 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-	250 EA							
		DARD B18.9-1958, TENSILE STRENGTH 150,000 PSI.								
42	PB30485 WINTER	AS PER ATTACHED DRAWING DATED MARCH 2009. PLOW BOLT, 5/8 IN. X 11 THREAD X 3 IN., GRADE 8, #3 DOME HEAD TO CONFORM TO SAE	950 EA							
	EQUIPMENT	J 429 AND AMERICAN STAN- DARD B18.9-1958, TENSILE STRENGTH 150,000 PSI. AS PER								
43	PB30505 WINTER	ATTACHED DRAWING DATED MARCH 2009.  PLOW BOLT, 5/8 IN. X 11 THREAD X 5 IN., GRADE 8, #3 DOME HEAD TO CONFORM TO SAE	140 EA							
	EQUIPMENT	J 429 AND AMERICAN STAN- DARD B18.9-1958, TENSILE STRENGTH 150,000 PSI. AS PER								
45	SN580 IRONHAWK	ATTACHED DRAWING DATED MARCH 2009.  NUT, LOCK, HEX, 5/8 IN. X 11 THREAD, STOVER, GRADE 8, ZINC PLATED AND WAXED FOR	4,000 EA							
		PLOW BLADE BOLT, PACKAGE OF 100 EACH, AS PER ATTACHED DRAWING DATED MARCH								
52	1012483 KENNAMETAL	WEAR SHOE WITH CARBIDE INSERT, 1-1/2 IN. X 5-3/4 IN. X 13-3/4 IN., STANDARD	10 EA							
		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.								
1670	OR 621 VALK	·	20 EA	5 Days	3830-5500-0106	\$157.95	\$3,159.			
1679 1680	OR-631 VALK OR-632 VALK	PIN, EYE CONNECTOR, SWIVEL EYE BAR. PIN, LATCH CONNECTOR, SWIVEL 2 IN. EYE BAR.	20 EA	5 Days	3830-3200-0100	\$139.00	\$2,780			
1681	1308005 BUYERS	GUIDE, ASSEMBLY, TO CONSIST OF 2 EACH 24 IN., SAFETY ORANGE, FIBERGLASS GUIDES	80 EA							
	PRODUCTS	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.								
1684	O-666 VALK	SPRING, PLOW RAM, O-666 VALK.	5 EA 5 EA	5 days 5 days	PA666-8 PA668-8	\$259.00 \$214.00				
1685 1686	O-668 VALK OR638-1 (3 HOLE) VALK	SPRING, PLOW (SM), O-668 VALK.  BUTT, SEMI-CIRCLE MOLDBOARD HINGE, RIGHT OR LEFT, 3- HOLE.	10 EA	5 days	PA638-1	\$59.00	. ,			
	<u> </u>		5.54	E dava	DA070 0	£4.40.00	Ф740			
1687 1688	O-670 VALK OR-634 VALK	ROD, TENSION 2 IN., O-670 VALK. PIN, SEMI CIRCLE LOCK, OR-634 VALK.	5 EA 10 EA	5 days 5 days	PA670-8 PA634	\$143.90 \$26.00				
1689	OR-649 VALK	SHACKLE W/BOLT, NUT, COTTER PIN, 1/2 IN., 4,000 LB WORKING LOAD LIMIT, OR-649	50 EA			\$45.00				
1691	O-674 VALK	VALK. SPRING, RECOIL CYLINDER, VALK PLOW.	20 EA	5 days	PA674	\$45.00	\$900.			
1692	O-672 VALK	CONNECTOR, ROD T.	5 EA	5 days	PA672-8	\$158.09	\$790.			
1694 1695	0-676 VALK 0-681 VALK	RING, SEPARATOR FOR VALK PLOW WITH LARGE (2 IN) TRIP CYLINDER (SAP 1701).  TUBE, INSIDE ASSEMBLY, FOR VALK V610 PLOW.	5 EA	5 days 5 days	PA678-8 PA683-8	\$16.28 \$229.00	\$81. \$1,145.			
1696	OR-646 VALK	PIN, HINGE, SEMI CIRCLE.	15 EA	5 days	PA638PN	\$8.33	\$124.			
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.			
1702	R665 VALK	TRIP CYLINDER ASSEMBLY, 6 IN. OUTSIDE DIAMETER, VALK POWER ANGLE AND MODEL	10 EA	5 days	MIN-SUPER-6	\$1,098.00	\$10,980			
1704	R-677 VALK	731 PLOWS. RING, SEPARATOR, FOR VALK RVS SERIES PLOW WITH SMALL (1-1/2 IN) TRIP CYLINDER	5 EA	5 days	PA676-6	\$14.98	\$74.			
		(SAP 1702).	5.51		D1070 0	0.000.00	4000			
1705 1706	R-673 VALK HY-410D.A. VALK	TEE, CONNECTOR, FOR VALK RVS SERIES PLOW.  CYLINDER, ANGLE, DOUBLE ACTING, FOR VALK RVS SERIES PLOW.	5 EA 10 EA	5 days 5 days	PA6726 HY410DA	\$136.00 \$595.00				
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			
1708 9481	R-669 VALK R-671 VALK	SPRING, INNER, 3-1/4 IN. O.D., FOR 6 IN. VALK TRIP CYLINDER RVS SERIES PLOW.  TENSION ROD, 1-1/2 IN. O.D. FOR USE IN R-665 6 IN. TRIP CYLINDER.	5 EA 10 EA	5 days 5 days	PA668-6 PA670-6	\$128.00 \$112.60	\$640 \$1,126			
9960	5/8X6X144 VALK	BLADE, SNOW PLOW, 5/8 IN. X 6 IN. X 144 IN., STANDARD HIGHWAY PUNCH 14 HOLES, 1-	30 EA			¥	<b>4</b> 1,120			
		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								
9961	5/8X6X120 VALK	BLADE, SNOW PLOW, 5/8 IN. X 6 IN. X 120 IN., STANDARD HIGHWAY PUNCH 12 HOLES, 1-	15 EA							
		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								
9962	5/8X/6/132 VALK	BLADE, SNOW PLOW, 5/8 IN. X 6 IN. X 132 IN., STANDARD HIGHWAY PUNCH 13 HOLES, 1-	15 EA							
		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								
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.			
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	SKIRTBOARD, RUBBER BELTING BLACK, 1/2 IN. THICK, 12 IN. WIDE, MUST BE PURCHASED	85 EA	5 days	7-1012-12	\$241.68	\$20,542.			
11024	KURIYAMA PA-648 VALK	IN 50 FT ROLL. BLOCK, SWIVEL LIFT CHAIN PLATE, COMPLETE.	10 EA	5 days	PA648-4	\$176.00	\$1,760.			
11364	RBR-14 VALK	PLOW BLADE, RETAINER BLADE, 1/4 IN X 3 IN X 14 FOOT, FOR VALK SD-14L/QA LOADER	1 EA							
	RBR-16 VALK	MOUNTED PLOW.  PLOW BLADE, RETAINER BLADE, 1/4 IN X 3 IN X 16 FOOT, FOR VALK SD-16L/QA LOADER	1 EA							
11365		MOUNTED PLOW.	1 EA							
	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.	I EA							
			1 EA							
11366	RB-10-16 VALK	PLOW BLADE, RUBBER CUT EDGE, 1-1/2 IN X 10 IN X 16 FOOT, FOR VALK SD-16L/QA								
11366 11367		LOADER MOUNTED PLOW.	1 EA							
11366 11367 11368	RB-10-16 VALK  SD-16L-405L VALK	LOADER MOUNTED PLOW.  SHOE, WEAR, LEFT SIDE, FOR VALK, SD-10L/QA, SD-12L/QA, SD-14L/QA AND SD-16L/QA LOADER MOUNTED PLOW.								
11366 11367 11368	RB-10-16 VALK	LOADER MOUNTED PLOW.  SHOE, WEAR, LEFT SIDE, FOR VALK, SD-10L/QA, SD-12L/QA, SD-14L/QA AND SD-16L/QA LOADER MOUNTED PLOW.  SHOE, WEAR, RIGHT SIDE, FOR VALK, SD-10L/QA, SD-12L/QA, SD-14L/QA AND SD-16L/QA	1 EA							
11366 11367 11368 11369 11370	RB-10-16 VALK  SD-16L-405L VALK  SD-16L-405R VALK  R-680 VALK	LOADER MOUNTED PLOW.  SHOE, WEAR, LEFT SIDE, FOR VALK, SD-10L/QA, SD-12L/QA, SD-14L/QA AND SD-16L/QA LOADER MOUNTED PLOW.  SHOE, WEAR, RIGHT SIDE, FOR VALK, SD-10L/QA, SD-12L/QA, SD-14L/QA AND SD-16L/QA LOADER MOUNTED PLOW. HOUSING, TRIP CYLINDER, 6 IN., FOR VALK RSV REVERSIBLE PLOWS.	1 EA							
11366 11367 11368 11369	RB-10-16 VALK  SD-16L-405L VALK  SD-16L-405R VALK	LOADER MOUNTED PLOW.  SHOE, WEAR, LEFT SIDE, FOR VALK, SD-10L/QA, SD-12L/QA, SD-14L/QA AND SD-16L/QA LOADER MOUNTED PLOW.  SHOE, WEAR, RIGHT SIDE, FOR VALK, SD-10L/QA, SD-12L/QA, SD-14L/QA AND SD-16L/QA LOADER MOUNTED PLOW.	1 EA							

Bid Tabulat	tion - PA Turnpike Comm	nission		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	166000-2019 7/22/2019	New Kingstown, PA  874					
Material	Primary Mfg Part Number	Description	Estimated Quantity (1-year usage)	Lead Time (days or weeks)	Vendor Product Number	Unit Price	Estimated Tota Price
31	2038043 KENNAMETAL	BLADE SAVER, CENTER, ISOLATED CARBIDE 1 IN. X 6 IN. X 21 IN., STANDARD HIGHWAY	137 EA				
		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					
40	PB30495 JOMA	MINIMI THICKNESS AS PER ATTACHED DRAWING DATED MARCH 2009	1,600 EA				
+0	PB30493 JOIVIA	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	1,000 E/1				
		ATTACHED DRAWING DATED MARCH 2009.					
41	PB30465 WINTER	PLOW BOLT, 5/8 IN. X 11 THREAD X 2 IN., GRADE 8,	250 EA				
	EQUIPMENT	#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.					
42	PB30485 WINTER	PLOW BOLT, 5/8 IN. X 11 THREAD X 3 IN., GRADE 8, #3 DOME HEAD TO CONFORM TO SAE	950 EA				
	EQUIPMENT	J 429 AND AMERICAN STAN- DARD B18.9-1958, TENSILE STRENGTH 150,000 PSI. AS PER					
13	PB30505 WINTER	ATTACHED DRAWING DATED MARCH 2009.  PLOW BOLT, 5/8 IN. X 11 THREAD X 5 IN., GRADE 8, #3 DOME HEAD TO CONFORM TO SAE	140 EA				
	EQUIPMENT	J 429 AND AMERICAN STAN- DARD B18.9-1958, TENSILE STRENGTH 150,000 PSI. AS PER					
15	CNICOO IDOMINANTO	ATTACHED DRAWING DATED MARCH 2009.	4,000 EA				
<b>1</b> 5	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	4,000 EA				
		2009.					
52	1012483 KENNAMETAL	WEAR SHOE WITH CARBIDE INSERT, 1-1/2 IN. X 5-3/4 IN. X 13-3/4 IN., STANDARD	10 EA				
		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.					
		DEPTH TO .180 IN. MAXIMOW DEPTH. AS PER ATTACHED DRAWING DATED 01/08/2016.					
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 80 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					
	PRODUCTS	EACH 1/4 IN. LOCKNUTS). WITH 3/8 IN. STEEL REINFORCED CABLE.					
1684	O-666 VALK	SPRING, PLOW RAM, O-666 VALK.	5 EA	-	as specified	\$223.00	\$1,115
1685	O-668 VALK	SPRING, PLOW (SM), O-668 VALK.	5 EA 10 EA		as specified as specified	\$179.00 \$51.00	\$895 \$510
1686	OR638-1 (3 HOLE) VALK	BUTT, SEMI-CIRCLE MOLDBOARD HINGE, RIGHT OR LEFT, 3- HOLE.	IUEA	14 days	as specified	ф51.00	φ510
1687	O-670 VALK	ROD, TENSION 2 IN., O-670 VALK.	5 EA	14 days	as specified	\$129.00	\$645
1688	OR-634 VALK	PIN, SEMI CIRCLE LOCK, OR-634 VALK.	10 EA		as specified	\$20.00	\$200
1689	OR-649 VALK	SHACKLE W/BOLT, NUT, COTTER PIN, 1/2 IN., 4,000 LB WORKING LOAD LIMIT, OR-649	50 EA	14 days	as specified	\$21.00	\$1,050
1691	O-674 VALK	VALK. SPRING, RECOIL CYLINDER, VALK PLOW.	20 EA	14 days	as specified	\$41.00	\$820
1692	O-672 VALK	CONNECTOR, ROD T.	5 EA		as specified	\$147.00	\$735
1694	O-676 VALK	RING, SEPARATOR FOR VALK PLOW WITH LARGE (2 IN) TRIP CYLINDER (SAP 1701).	5 EA		as specified	\$18.00	
1695	0-681 VALK	TUBE, INSIDE ASSEMBLY, FOR VALK V610 PLOW.	5 EA 15 EA		as specified	\$235.00	. ,
1696 1701	OR-646 VALK O-664 VALK	PIN, HINGE, SEMI CIRCLE.  TRIP CYLINDER ASSEMBLY, 8-5/8 IN. OUTSIDE DIAMETER, FOR V600 AND 700 SERIES VALK	5 EA	,	as specified as specified	\$12.00 \$1,345.00	\$6,725
1701	O OO4 VALK	PLOW, 712, 721 AND 721B.				, ,, , , , ,	, , ,
1702	R665 VALK	TRIP CYLINDER ASSEMBLY, 6 IN. OUTSIDE DIAMETER, VALK POWER ANGLE AND MODEL	10 EA	14 days	as specified	\$925.00	\$9,250
1704	R-677 VALK	731 PLOWS.	5 EA	14 days	as specified	\$16.00	\$80
1704	R-077 VALK	RING, SEPARATOR, FOR VALK RVS SERIES PLOW WITH SMALL (1-1/2 IN) TRIP CYLINDER (SAP 1702).	0 27	14 days	ao opeomed	Ψ10.00	φου
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 1708	R-667 VALK R-669 VALK	SPRING, OUTER, 5-1/2 IN. O.D., FOR 6 IN. VALK TRIP CYLINDER RVS SERIES PLOW.  SPRING, INNER, 3-1/4 IN. O.D., FOR 6 IN. VALK TRIP CYLINDER RVS SERIES PLOW.	5 EA 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-	30 EA	21 days	as specified	\$121.25	\$3,637
		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					
		MADCH 2010					•
9961	5/8X6X120 VALK	BLADE, SNOW PLOW, 5/8 IN. X 6 IN. X 120 IN., STANDARD HIGHWAY PUNCH 12 HOLES, 1-	15 EA	21 days	as specified	\$101.04	\$1,515
		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					
9962	5/8X/6/132 VALK	BLADE, SNOW PLOW, 5/8 IN. X 6 IN. X 132 IN., STANDARD HIGHWAY PUNCH 13 HOLES, 1-	15 EA	21 days	as specified	\$111.14	\$1,667
3302	JON OF 132 VALK	1/2 IN. FROM TOP, PUNCHING SHALL BE 11/16 IN. SQUARE HOLES, CARBON STEEL, AISI			<u>'</u>		
		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					
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
10105	44007 WESTERN	DIADE COVER AND CUTTING 4/2 IN V C IN V 40 3/4 IN	10 EA	21 days		\$35.70	\$357
10185	44997 WESTERN	BLADE, COVER AND CUTTING, 1/2 IN. X 6 IN. X 40-3/4 IN.					
10186	44890 WESTERN	BLADE, CENTER CUTTING EDGE, PASSENGER SIDE.	5 EA	21 days		\$54.92	\$274
10187	44891 WESTERN	BLADE, CENTER CUTTING EDGE, DRIVER SIDE.	5 EA	21 days		\$54.92	\$274
			05.54				
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
1102	RBR-14 VALK	PLOW BLADE, RETAINER BLADE, 1/4 IN X 3 IN X 14 FOOT, FOR VALK SD-14L/QA LOADER	1 EA		as specified	\$92.00	\$92
11364	DDD 46 VALV	MOUNTED PLOW.	1.54				
11364	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				
			1 EA				
1364	RB-10-14 VALK	PLOW BLADE, RUBBER CUT EDGE, 1-1/2 IN X 10 IN X 14 FOOT, FOR VALK SD-14L/QA					
11364 11365 11366	RB-10-14 VALK	LOADER MOUNTED PLOW.					
.1364 .1365 .1366		LOADER MOUNTED PLOW. PLOW BLADE, RUBBER CUT EDGE, 1-1/2 IN X 10 IN X 16 FOOT, FOR VALK SD-16L/QA	1 EA				
.1364 .1365 .1366 .1367	RB-10-14 VALK  RB-10-16 VALK	LOADER MOUNTED PLOW. PLOW BLADE, RUBBER CUT EDGE, 1-1/2 IN X 10 IN X 16 FOOT, FOR VALK SD-16L/QA LOADER MOUNTED PLOW.					
1364 1365 1366 1367	RB-10-14 VALK	LOADER MOUNTED PLOW.  PLOW BLADE, RUBBER CUT EDGE, 1-1/2 IN X 10 IN X 16 FOOT, FOR VALK SD-16L/QA LOADER MOUNTED PLOW.  SHOE, WEAR, LEFT SIDE, FOR VALK, SD-10L/QA, SD-12L/QA, SD-14L/QA AND SD-16L/QA	1 EA				
1364 1365 1366 1367 1368	RB-10-14 VALK  RB-10-16 VALK	LOADER MOUNTED PLOW. PLOW BLADE, RUBBER CUT EDGE, 1-1/2 IN X 10 IN X 16 FOOT, FOR VALK SD-16L/QA LOADER MOUNTED PLOW.		14 days	as specified	\$98.00	\$98
.1364 .1365 .1366 .1367 .1368 .1369	RB-10-14 VALK  RB-10-16 VALK  SD-16L-405L VALK  SD-16L-405R VALK	LOADER MOUNTED PLOW. PLOW BLADE, RUBBER CUT EDGE, 1-1/2 IN X 10 IN X 16 FOOT, FOR VALK SD-16L/QA LOADER MOUNTED PLOW. SHOE, WEAR, LEFT SIDE, FOR VALK, SD-10L/QA, SD-12L/QA, SD-14L/QA AND SD-16L/QA LOADER MOUNTED PLOW. SHOE, WEAR, RIGHT SIDE, FOR VALK, SD-10L/QA, SD-12L/QA, SD-14L/QA AND SD-16L/QA LOADER MOUNTED PLOW.	1 EA				\$98
11364 11365 11366 11367 11368 11369	RB-10-14 VALK  RB-10-16 VALK  SD-16L-405L VALK  SD-16L-405R VALK  R-680 VALK	LOADER MOUNTED PLOW.  PLOW BLADE, RUBBER CUT EDGE, 1-1/2 IN X 10 IN X 16 FOOT, FOR VALK SD-16L/QA LOADER MOUNTED PLOW.  SHOE, WEAR, LEFT SIDE, FOR VALK, SD-10L/QA, SD-12L/QA, SD-14L/QA AND SD-16L/QA LOADER MOUNTED PLOW.  SHOE, WEAR, RIGHT SIDE, FOR VALK, SD-10L/QA, SD-12L/QA, SD-14L/QA AND SD-16L/QA LOADER MOUNTED PLOW.  HOUSING, TRIP CYLINDER, 6 IN., FOR VALK RSV REVERSIBLE PLOWS.	1 EA 1 EA	14 days	as specified	\$225.00	\$225
.1364 .1365 .1366 .1367 .1368 .1369	RB-10-14 VALK  RB-10-16 VALK  SD-16L-405L VALK  SD-16L-405R VALK	LOADER MOUNTED PLOW. PLOW BLADE, RUBBER CUT EDGE, 1-1/2 IN X 10 IN X 16 FOOT, FOR VALK SD-16L/QA LOADER MOUNTED PLOW. SHOE, WEAR, LEFT SIDE, FOR VALK, SD-10L/QA, SD-12L/QA, SD-14L/QA AND SD-16L/QA LOADER MOUNTED PLOW. 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			

Bid Tabula	tion - PA Turnpike Comm	ission		Valk Manufacturing Company								
Bid	166000-2019						New Kingstown, PA					
	7/22/2019				87	4						
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					

Bid Tabulation - PA Turnpike Commission

Bid 166000-2019 7/22/2019 Minco Industrial Services Inc Jonestown, PA 1278

	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	
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