CERTIFIED COPY OF ORDER

STATE OF MISSOURI

January Session of the November Adjourned

Term. 20 ()3

County of Boone

In the County Commission of said county, on the

 28^{th}

January

20 03

the following, among other proceedings, were had, viz:

Now on this day, the County Commission of the County of Boone does hereby award bid 01-14JAN03 for Grading MKT Trail - Term and Supply to Blacktop Paving Company. It is further ordered that the Presiding Commissioner be hereby authorized to sign said contract.

Done this 28th day of January, 2003.

Keith Schnarre

Presiding Commissioner

ATTEST:

Clerk of the County Commission

Karen M. Miller

District I Commissioner

District II Commissioner

Boone County Purchasing

Melinda Bobbitt, CPPB
Director



601 E.Walnut, Room 208 Columbia, MO 65201 Phone: (573) 886-4391 Fax: (573) 886-4390

32-2003

MEMORANDUM

TO:

Boone County Commission

FROM:

Melinda Bobbitt, CPPB

DATE:

January 14, 2003

RE:

01-14JAN03 - Grading MKT Trail

The Bid for Grading MKT Trail – Term and Supply was issued on December 18, 2002. The bid closed on January 14, 2003. A total of two bids were received. Purchasing and Facilities Maintenance recommend award for the lowest and best bid to Blacktop Paving Company.

This term and supply contract will be paid out of department 1610 – Parks and Recreation, account 60400 – Grounds Maintenance. The original budget was for \$4,000.

Please find attached a copy of the bid tabulation for your review.

ATT: Bid Tabulation

cc:

Ken Roberts, Facilities Maintenance

Bid File

Description		Black Top Paving	g	Christer	nsen Construction	n Company
MOBILIZATION:	Mileage - Round Trip to MKT Trail	\$ per mile	Total \$ (b x c x d)	Mileage - Round Trip to MKT Trail	\$ per mile	Total \$ (b x c x d)
Motor Grader	38	\$3.95	\$300.20	50	\$4.00	\$400.00
Tractor w/8' Box		#0.0F	0001.40	50	04.00	\$400.00
Blade Compaction Roller	38 38	\$2.65 \$2.65	\$201.40 \$201.40	50 50	\$4.00 \$4.00	\$400.00 \$400.00
Backhoe	38	\$2.65	\$100.70	50	\$4.00	\$200.00
	51 (41 (41 (41 (41 (41 (41 (41 (41 (41 (4					
Total \$ for Mobilization			\$803.70			\$1,400.00
	Standard Rate \$/hour (equpment	Premium Rate \$/hour (equment		Standard Rate \$/hour (equpment	Premium Rate \$/hour (equment	
HOURLY RATES:	w/operator)	w/operator)	Total \$ (b x c)	w/operator)	w/operator)	Total \$ (b x c)
Motor Grader	\$75.00	\$85.00	\$2,400.00	\$90.00	\$100.00	\$2,880.00
Tractor w/8' Box Blade	\$55.00	\$65.00	\$1,760.00	\$60.00	\$70.00	\$1,920.00
Compaction Roller	\$45.00	\$55.00	\$1,440.00	\$45.00	\$55.00	\$1,440.00
Backhoe	\$55.00	\$65.00	\$440.00	\$60.00	\$70.00	\$480.00
Total \$ for Labor and Equipment			\$6,040.00			\$6,720.00
TOTAL PRICE ALL WORK:			\$6,843.70			\$8,120.00
Maximum % Increase 2nd Contract Period Cost of contract for 2nd Period			5% \$7,186			5% \$8,526
Maximum % Increase 3rd Contract Period Cost of contract for 3rd Period			5% \$7,545			5% \$8,952
Honor coop Purchasing?			Yes			Yes
References Included?			Yes			Yes
Bidder's Qualifications Included?			Yes			Yes
No Bids Frech Paving Russell Sapp - return			Opened By: Melinda			

PURCHASE AGREEMENT FOR GRADING MKT TRAIL - TERM AND SUPPLY

THIS AGREEMENT dated the 28 day of SANUAR 2003 is made between Boone County, Missouri, a political subdivision of the State of Missouri through the Boone County Commission, herein "County" and Blacktop Paving Company, herein "Contractor."

IN CONSIDERATION of the parties performance of the respective obligations contained herein, the parties agree as follows:

- 1. Contract Documents This agreement shall consist of this Purchase Agreement for Grading of MKT Trail Term and Supply, County of Boone Request for Bid, bid number 01-14JAN03, Introduction and General Conditions of Bidding, Primary Specifications, Response Presentation and Review, the un-executed Response Form, Standard Terms and Conditions, Statement of Bidder's Qualifications, as well as the Contractor's bid response dated January 13, 2002and executed by Donald L. Wilson on behalf of the Contractor. All such documents shall constitute the contract documents, which are attached hereto and incorporated herein by reference. Service or product data, specification and literature submitted with bid response may be permanently maintained in the County Purchasing Office bid file for this bid if not attached. In the event of conflict between any of the foregoing documents, the Introduction and General Conditions of Bidding, Primary Specifications, Response Presentation and Review, the un-executed Response Form, Standard Terms and Conditions and Statement of Bidder's Qualifications shall prevail and control over the Contractor's bid response.
- 2. Contract Duration This agreement shall commence on the date written above through December 31, 2003, subject to the provisions for termination specified below. This agreement may be extended beyond the expiration date by order of the County for two (2) additional one-year periods subject to the pricing clauses in the Contractor's bid response and thereafter on a month to month basis in the event the County is unable to re-bid and/or award a new contract prior to the expiration date after exercising diligent efforts to do so or not; provided, however, that from and after the expiration date of this agreement and any annual extensions thereof, Contractor shall have the right to terminate this agreement upon thirty days advance written notice of termination.
- 3. *Purchase* The County agrees to purchase from the Contractor and the Contractor agrees to supply the County Grading of MKT Trail Services as identified and responded to in the Contractor's Response Form. Service will be provided as required in the bid specifications and in conformity with the contract documents for the prices set forth in the Contractor's bid response, as needed and as ordered by the County.
- 4. Billing and Payment All billing shall be invoiced to the Boone County Facilities Maintenance Department, and may only include the prices as identified in the Contractor's bid response. No additional fees for delivery or extra services not included in the bid response or taxes shall be included as additional charges in excess of the charges in the Contractor's bid response to the specifications. The County agrees to pay all invoices within thirty days of receipt; Contractor agrees to honor any cash or prompt payment discounts offered in its bid response if county makes payment as provided therein. In the event of a billing dispute, the County reserves the right to withhold payment on the disputed amount; in the event the billing dispute is resolved in favor of the Contractor, the County agrees to pay interest at a rate of 9% per annum on disputed amounts withheld commencing from the last date that payment was due.

5. Binding Effect - This agreement shall be binding upon the parties hereto and their successors and assigns for so long as this agreement remains in full force and effect.

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- 6. Entire Agreement This agreement constitutes the entire agreement between the parties and supersedes any prior negotiations, written or verbal, and any other bid or bid specification or contractual agreement. This agreement may only be amended by a signed writing executed with the same formality as this agreement.
- 7. *Termination* This agreement may be terminated by the County upon thirty days advance written notice for any of the following reasons or under any of the following circumstances:
 - County may terminate this agreement due to material breach of any term or condition of this agreement, or
 - County may terminate this agreement if in the opinion of the Boone County
 Commission if delivery of products are delayed or products delivered are not
 in conformity with bidding specifications or variances authorized by County, or

BOONE COUNTY, MISSOURI

c. If appropriations are not made available and budgeted for any calendar year.

IN WITNESS WHEREOF the parties through their duly authorized representatives have executed this agreement on the day and year first above written.

BLACKTOP PAVING COMPANY

by Donald Livilan	by: Boone County Commission
title GEN. MGR.	fall stource
address 7441 E. Sunny VALE DR.	Keith Schnarre, Presiding Commissioner
COLUMBIA, MO. LES201	
APPROVED AS TO FORM:	ATTEST:
	11 Dendy J. Now
County Counselor	Wendy S. Noren, County Clerk
AUDITOR CERTIFICATION	
In accordance with RSMo 55.660, I hereby certify that exists and is available to satisfy the obligation(s) arising	
contract is not required if the terms of the contract do n time.)	
	Facilities Maintenance 1610-60400 – Term and Supply -
	, ,
Signature Odyse	Date Appropriation Account

CONTRACT AMENDMENT NUMBER ONE PURCHASE AGREEMENT FOR GRADING OF MKT TRAIL – TERM AND SUPPLY BID # 01-14JAN03

525-2003

The Agreement dated January 28, 2003 made by and between Boone County, Missouri and Blacktop Paving Company for and in consideration of the performance of the respective obligations of the parties set forth herein, is amended as follows:

- 1. ADD equipment hourly rate: Skid-Steer Loader Case 90XT @ \$60.00/hour with Operator
- 2. ADD equipment mobilization charge: \$100.00 each move
- 3. Except as specifically amended hereunder, all other terms, conditions and provisions of the original agreement shall remain in full force and effect.

IN WITNESS WHEREOF the parties through their duly authorized representatives have executed this agreement on the day and year first above written.

BLACKTOP PAVING COMPANY	BOONE CO	UNTY, MISSOURI
title GEN, MEZ.	Tall	punity Commission Te, Presiding Commissioner
APPROVED AS TO FORM: County Counselfor	ATTEST: Wendy S. Noren	, County Clerk n
AUDITOR CERTIFICATION In accordance with RSMo 50.660, I hereby certify that a suf is available to satisfy the obligation(s) arising from this cont if the terms of this contract do not create a measurable count	ract. (Note: Certif	ication of this contract is not required
No ensumbrence required Signature d'Ayre	///8/65 Date	1610-60400 - Term and Supply Appropriation Account

Boone County Purchasing

Debbie CrutchfieldOffice Specialist



601 E.Walnut-Room 209
Columbia, MO 65201
(573) 886-4394
Fax (573) 886-4390
Email: dcrutchfield@boonecountymo.org

October 6, 2004

Donald L. Wilson, General Manager Blacktop Paving 7441 E. Sunnyvale Drive. Columbia, MO 65201



RE: 01-14JAN03 - Grading MKT Trail - Term & Supply

Dear Mr. Wilson:

The County of Boone wishes to renew the above referenced contract. Confirming the letter dated October 1, 2004 agree to renew the contract under the same terms and conditions as the original contract, which you indicated in your returned letter of intent with a 5% over the currant contract pricing that will renew on January 01, 2005. Prices for this contract period are listed below.

Mobilization

1.20011111111111		-	
a	b	c	į d
Equipment	Estimated Events per	Mileage-Round-trip to MKT Trail	\$ per Mile
	Year		
Motor Grader	2	38	\$4.36
Tractor w/8'	2	38	\$2.93
Box Blade			
Compaction	2	. 38	\$2.93
Roller.			** \$
Backhoe	1	38	\$2.93
Hourly Rates			
a	b	c	d
Equipment	Estimated Hours per	Standard Rate	Premium Rate \$/Hour (equipment
	Year	\$/Hour (equipment w/operator	w/operator
Motor Grader	32	\$82.69	\$93.71
Tractor w/8'	32	\$60.64	\$71.66
Box Blade			
Compaction	32	\$49.61	\$60.64
Roller.			-
Backhoe	8	\$60.64	\$71.66

Should you have any questions, please contact me.

Sincerely,

Debbie Crutchfield Office Specialist

Сс

Facilities Maintenance

Bid File

Clerk's File Auditor

CERTIFIED COPY OF ORDER

STATE OF MISSOURI

January Session of the November Adjourned

Term. 20 ()3

County of Boone

In the County Commission of said county, on the

 28^{th}

January

20 03

the following, among other proceedings, were had, viz:

Now on this day, the County Commission of the County of Boone does hereby award bid 85-31DEC02 for Boom Mower and Tractors to Cooke Sales and Service. The County Commission of the County of Boone does hereby authorize the disposal through trade-in of Two (2) 1995 Ford 7740 Tractors with Tiger TRB-50 Rotary Boom Mowers (Fixed Asset Tag # 10823 and 10824). It is further ordered that the Presiding Commissioner be hereby authorized to sign said contract and disposal request forms.

Done this 28th day of January, 2003.

Presiding Commissioner

ATTEST:

Clerk of the County Commission

Karen M. Miller

District I Commissioner

Skip Elkii

District II Commissioner

Boone County Purchasing

Marlene Ridgway
Buyer



601 E.Walnut, Rm 209 Columbia, MO 65201 (573) 886-4392 Fax (573) 886-4390

33-2003

MEMORANDUM

TO:

Boone County Commission

FROM:

Marlene Ridgway

RE:

85-31DEC02 - Boom Mower and Tractors

DATE:

January 16, 2003

The Public Works department and I have reviewed the above referenced bid. We recommend awarding to Cooke Sales and Service for having the lowest and best bid meeting the minimum specifications. The contract is for two 2003 John Deere 7220 4wd tractors with Tiger TRB-50C Rotary Boom Mowers for a contract value including trade-in of \$139,956.00. This is to be paid from account 2040-92300. The budgeted amount was \$159,000.00.

We also recommend including an additional contract price of \$55.00 hourly shop rate and a 15% discount off list price for OEM parts for 5 years as supplied in the bidder's response.

We would also ask at this time approval to dispose of the following equipment as a trade-in for this contract.

Two (2) 1995 Ford 7740 tractors with Tiger TRB-50 Rotary Boom Mowers. Tag #10823 and 10824

The bid tabulation is attached for your reference.

Award Amt: \$139,956 Avg Bid: \$145,755 Savings: \$5,799

Bid Tabulation - 85-31DEC02 Boom Mower and Tractor

		Cooke Sale Ful	, i	Tri-State Construction Equipment Ashland, MO			Tri-State Construction Equipment Ashland, MO			
Sect.	Description	Unit Price	Qty.	Ext. Total	Unit Price	Qty.	Ext. Total	Unit Price	Qty.	Ext. Total
4.7.1	Mower/Tractor	116340	2	\$232,680.00	87405	2	\$174,810.00	90250	2	\$180,500.00
4.7.2	Make	JD / Ti	ger M	lowers	JD /Alamo Versa Boom Mower			JD / Alamo Machete		
4.7.3	Model	7220 / TRB5	0-C	Tiger Mower	7220 / 2	:0' Ve	rsa Boom	7220) / Mac	hete 21'
4.7.4	7 year warr. cost	0	2	\$0.00	\$ -	2	\$0.00	0	2	\$0.00
4.7.5	Total	\$23	0.00	\$174,810.00		\$180,500.00				
4.7.6	Cash Discount			\$		-		0		

4.8	Trade in Equipment			
4.8.1	1995 Ford Boom Mower serial #035561B/TB-3684HP	\$32,724.00	\$14,000.00	\$14,000.00
4.8.2	1995 Ford Boom Mower serial #045001B/TB-3747HP	\$60,000.00	\$15,000.00	\$15,000.00
4.9	Grand Total of Equipment Less Trades (4.7.5 4.7.6	\$139,956.00	\$145,810.00	\$151,500.00
4.10.	Hourly Labor/Repair Rate	\$55.00	\$65.00	\$65.00
4.11.	% discount off list price of OE	15.00%	0.00%	0.00%
4.12	Warranty restrictions	3 yr addit warranty/3000 hrs over std 2 yr and \$250 deduct	Tractor 5 yr/5000 hrs w/ \$250 deduct Mower: 1 yr	Tractor 5 yr/5000 hrs w/ \$250 deduct Mower: 1 yr
4.13	Delivery After Receipt of Orde	120 days	120 days	120 days
4.15	Co-op?	No	Yes	Yes

No bids

Gil Hebard Guns, Inc.

G.M. Supply Co.

EZ-Liner Industries

MMECO

GLOCK, INC.

Christensen Construction

Sydenstricker Implement

G.W. Van Keppel

Farm Power - Lawn and Leisure

Modern Farm Equipment, Fulton, MO

Crown Power & Equipment, Columbia, MO

BOONE COUNTY

REQUEST FOR DISPOSAL OF COUNTY PROPERTY

DATE 1/16/03	FIXED ASSET TAG NUMBER /082	4
DESCRIPTION BOOM	nowen/tarcton	
REQUESTED MEANS OF DIS	POSAL: TRADE-IN.	
OTHER INFORMATION: Vels 4 3 759 CONDITION OF ASSET 179	Ser# 0450018/18 -3747HP	1996 Ford / Tiger
REASON FOR DISPOSITION	Repair Expenditures / Schedule D Fon	
DETACTMENT Tubles We	SIGNATURE Nom / Co	
AUDITOR ORIGINAL PURCHASE DATE ORIGINAL COST ORIGINAL FUNDING SOURCE	E 12/10/96 +67,485 1605 CE 2741- R&B	
COUNTY COMMISSION /	COUNTY CLERK	
APPROVED DISPOSAL MET	HOD:	
TRANSFER DEP	ARTMENT NAME	NUMBER
LOC	ATION WITHIN DEPARTMENT	
INDI	IVIDUAL	
	AUCTIONSEALED BIDS	
O ABA		
COMMISSION ORDER NUM	ber 33-2003	
DATE APPROVED 28	JAN 2003	
SIGNATURE	Letually	

BOONE COUNTY

REQUEST FOR DISPOSAL OF COUNTY PROPERTY

DATE 1/16/03 FIXED ASSET TAG NUMBER 10823	,
Boom Mowen / TRActon,	
REQUESTED MEANS OF DISPOSAL: TRADE-TN.	
OTHER INFORMATION: Veh # 3758 See # 0355618/TB - 3684 HP CONDITION OF ASSET FAIR	1996 Food/Tizen
REASON FOR DISPOSITION Facessive Hours And Repair Expanditures / Scheluled For Re	
DEPARTMENT Public Works. SIGNATURE SIGNATURE	
AUDITOR ORIGINAL PURCHASE DATE 12 10 9 6 ORIGINAL COST 467,485 1605 ORIGINAL FUNDING SOURCE 2741-P4B	
APPROVED DISPOSAL NETWORK	
APPROVED DISPOSAL METHOD: TRANSFER DEPARTMENT NAMEN	UMBER
LOCATION WITHIN DEPARTMENT	
INDIVIDUAL	
TRADEAUCTIONSEALED BIDSOTHER EXPLAIN	
COMMISSION ORDER NUMBER 33 - 2003	
DATE APPROVED 28 JAN 2003	
SIGNATURE CALL CLIC	

1/16/03

PURCHASE REQUISITION BOONE COUNTY, MISSOURI

a	ruh
Pu	

DATE

246

Cooke Sales and Service

(Enter Applicable Bid / Sole Source / Emergency Number)

VENDOR NO.

VENDOR NAME	PHONE #
VENDOR NAME	FRONE #

ADDRESS CITY

STATE ZIP

		33-2003
BID DOC This field MUST be completed to demonstrat Refer to RSMo 50.660, 50.753-50.79	UMENTATION e compliance with statutory biddin 0, and the Purchasing Manual—Sec	g requirements. ction 3
 Bid /RFP (enter # below) Sole Source (enter # below) Emergency Procurement (enter # below) Written Quotes (3) attached (<\$750 to \$4,449) <\$750 No Bids Required (enter bid # below if you are purchasing from a bid, even if this purchase is <\$750) Professional Services (see Purchasing Policy Section 3-103) 	Transaction Not Subject To Bide Utility Travel Dues Refund Cooperative Agreement Other (Explain):	ding For The Following Reason: Training Pub/Subscriptions Required Gov Payment Agency Fund Distribution
#05 24DEC02	٦ .	CEIVER

Ship To Department # 2040

Bill To Department # 2040

Department Account			Item Description	Qty	Unit Price	Amount						
2	0	4	0	9	2	3	0	0	2 JD 7220 4wd tractors w/ Tiger TRB50-C mowers including tradein		139956	139,956. 00
									CLERF'S OFFICE			
									*DO NOT UNSTAPLE THESE PAGES			
									*THE ONLY ACTION NEEDED IS TO WRITE THE COMM ORDER # ON THE FORM AND RETURN T ————AUDITOR'S OFFICE.			
											-	

I certify that the goods, services or charges specified above are necessary for the use of this department, are solely for the benefit of the county, and have been procured in accordance with statutory bidding requirements.

esting Official Auditor Approval

PURCHASE AGREEMENT FOR BOOM MOWER AND TRACTOR

THIS AGREEMENT dated the <u>Z8</u> day of <u>JANUAR</u> 2003 is made between Boone County, Missouri, a political subdivision of the State of Missouri through the Boone County Commission, herein "County" and Cooke Sales and Service, herein "Contractor."

IN CONSIDERATION of the parties performance of the respective obligations contained herein, the parties agree as follows:

- 1. Contract Documents This agreement shall consist of this Purchase Agreement for a Boom Mower and Tractor, bid number 85-31DEC02 including Instructions and General Conditions of Bidding, Primary Specifications, Response Presentation and Review, unexecuted Response Form, as well as the Contractor's bid response dated December 26, 2002 executed by Oscar M. Cooke, on behalf of the Contractor. All such documents shall constitute the contract documents which are attached hereto and incorporated herein by reference. Service or product data, specification and literature submitted with bid response may be permanently maintained in the County Purchasing Office bid file for this bid if not attached. In the event of conflict between any of the foregoing documents, the terms, conditions, provisions and requirements contained in the bid specifications including Instructions and General Conditions of Bidding, Primary Specifications, Response Presentation and Review, and the unexecuted Response Form shall prevail and control over the Contractor's bid response.
- 2. **Purchase** The County agrees to purchase from the Contractor and the Contractor agrees to supply the County a quantity of two (2) Year 2003 TRB50-C Tiger Boom Mower and two (2) Year 2003 John Deere 7220 4WD less the trade in of two (2) 1995 Ford 7740 tractors with Tiger TRB-50 Rotary Boom Mowers in conformity with the bid specifications and at the total cost of One Hundred Thirty-nine Thousand Nine Hundred Fifty-six Dollars (\$139,956.00). Contractor also agrees to provide the County for a period of 5 years from the date of this contract an hourly shop labor rate of \$55.00 and a 15% discount off of OEM list prices for said equipment.
- 3. **Delivery** Contractor agrees to deliver the boom mower and tractor per the bid specifications and within one hundred twenty (120) days after receipt of order.
- 4. *Billing and Payment* All billing shall be invoiced to the Boone County Public Works Department and billings may only include the prices listed in the Contractor's bid response. No additional fees for delivery or extra services or taxes shall be included as additional charges in excess of the charges in the Contractor's bid response to the specifications. The County agrees to pay all invoices within thirty days of receipt; Contractor agrees to honor any cash or prompt payment discounts offered in its bid response if county makes payment as provided therein. In the event of a billing dispute, the County reserves the right to withhold payment on the disputed amount; in the event the billing dispute is resolved in favor of the Contractor, the County agrees to pay interest at a rate of 9% per annum on disputed amounts withheld commencing from the last date that payment was due.
- 5. *Binding Effect* This agreement shall be binding upon the parties hereto and their successors and assigns for so long as this agreement remains in full force and effect.

- 6. *Entire Agreement* This agreement constitutes the entire agreement between the parties and supersedes any prior negotiations, written or verbal, and any other bid or bid specification or contractual agreement. This agreement may only be amended by a signed writing executed with the same formality as this agreement.
- 7. **Termination** This agreement may be terminated by the County upon thirty days advance written notice for any of the following reasons or under any of the following circumstances:
 - a. County may terminate this agreement due to material breach of any term or condition of this agreement, or
 - b. County may terminate this agreement if in the opinion of the Boone County Commission if delivery of products are delayed or products delivered are not in conformity with bidding specifications or variances authorized by County, or
 - c. If appropriations are not made available and budgeted for any calendar year.

IN WITNESS WHEREOF the parties through their duly authorized representatives have executed this agreement on the day and year first above written.

COOKE SALES & SERVICE	BOONE COUNTY, MISSOURI
title PRES.	by: Boone County Commission
	Keith Schnarre, Presiding Commissioner
APPROVED AS TO FORM:	ATTEST: Wendy 5. Moren, County Clerk 7

AUDITOR CERTIFICATION

In accordance with RSMo 50.660, I hereby certify that a sufficient unencumbered appropriation balance exists and is available to satisfy the obligation(s) incurred by this contract. (Note: Certification of this contract is not required if the terms of the contract do not create a measurable county obligation at this time.)

Signature C. Pitchford (/22/03 2040-92300 - \$139,956.00 Date Appropriation Account

CERTIFIED COPY OF ORDER

STATE OF MISSOURI

January Session of the November Adjourned

Term. 20 03

County of Boone

ea

In the County Commission of said county, on the

 28^{th}

lay of

January

20 03

the following, among other proceedings, were had, viz:

Now on this day, the County Commission of the County of Boone does hereby award bid 86-31DEC02 for Backhoes to Crown Power and Equipment. The County Commission of the County of Boone does hereby authorize the disposal through trade-in of Two (2) 1993 Case 580 SK Backhoes (Fixed Asset Tag #s 7630 and 7631). It is further ordered that the Presiding Commissioner be hereby authorized to sign said contract and disposal request forms.

Done this 28th day of January, 2003.

Keith Schnarre

Presiding Commissioner

ATTEST:

Wendy S. Noren

TY

Clerk of the County Commission

Karen M. Miller

District I Commissioner

Skip Elkin

District II Commissioner

Boone County Purchasing

Marlene Ridgway
Buyer



601 E. Walnut, Rm 209 Columbia, MO 65201 (573) 886-4392 Fax (573) 886-4390

34-2003

MEMORANDUM

TO:

Boone County Commission

FROM:

Marlene Ridgway

RE:

86-31DEC02 - Backhoes

DATE:

January 16, 2003

The Public Works department and I have reviewed the above referenced bid. We recommend awarding to Crown Power and Equipment for having the lowest and best bid meeting the minimum specifications. The contract is for two 2003 Case 580SM for a contract value including trade-in of \$102,164.00. This is to be paid from account 2040-92300. The budgeted amount was \$144,000.00.

We also recommend including an additional contract price of \$65.00 hourly shop rate for 5 years as supplied in the bidder's response.

We would also ask at this time approval to dispose of the following equipment as a trade-in for this contract.

Two (2) 1993 Case 580 SK Backhoes Tag #7631 and 7630

The bid tabulation is attached for your reference.

Award Amt: \$102,164 Avg Bid: \$105,792.50 Savings: \$3,628.50

Bid Tabulation - 86-31DEC02 Back Hoe

		Fabick and Company Jeff City, MO	Crown Power & Equipment Columbia, MO	Cooke Sales and Service Fulton, MO	Tri-State Construction Equipment Ashland, MO	
Sect.	Description	Unit Price Qty. Ext. Total	Unit Price Qty. Ext. Total	Unit Price Qty. Ext. Total	Unit Price Qty. Ext. Total	
4.7.1	2003 Model Backhoe	\$ 73,950.00 2 \$147,900.00	\$ 73,929.00 2 \$147,858.00	89432 2 \$188,864.00	70500 2 \$141,000.00	
	Make Model	CAT 420D	Case 580 SM	JCB 214 4 wd	JD 310	
4.8	Cash Discount	N/A	\$0.00	\$0.00	\$0.00	
4.9	Less Trade-In					
4.9.1	Backhoe, 1993 Case 580 SK, Ser					
4.9.1	# JJG0173508, Hrs 4000	\$22,000.00	23750	42524	17600	
4.9.2	Backhoe, 1993 Case 580 SK, Ser					
4.9.2	# JJG0173527, Hrs 5200	\$20,000.00	23300	40434	17600	
					* 105.000.00	
4.10.	Sub Total	\$105,900.00	\$100,808.00	\$105,906.00	\$105,800.00	
		1				
4.11	Optional Equipment			1 1 50 00	A750.00	
	Backhoe Trenching Bucket	\$1,500.00	\$1,356.00	\$1,150.00	\$750.00	
4.12	Grand Total 4.10.+4.11.1	\$107,400.00	\$102,164.00	\$107,056.00	\$106,550.00	
	_					
	Attachment A	\$ 14,164.16				
4.13.	Hourly Labor/ Repair Rate	\$ 68.00	\$ 65.00	\$ 55.00	\$ 65.00	
4.14.	% discount off list price of OEM					
4.14.	parts	0%	0%	15%	0%	
				1 yr std warranty; 3 yr/3500		
4 15				pwr train incl in bid. Adtl		
4.15		Submit oil samples at service				
4.15	Warranty restrictions	Submit oil samples at service intervals		pwr train incl in bid. Adtl	None	
			60	pwr train incl in bid. Adtl warranty to make 7 yr add	None 30 to 45 days	
4.15 4.16 4.18	Warranty restrictions Delivery After Receipt of Order Co-op?	intervals	60 Yes	pwr train incl in bid. Adtl warranty to make 7 yr add \$5,000 each		

No bids Sydenstricker Imp. Co. Lauf Equipment Co. Inc Forklifts of Central Missouri Riggins R-Co., Inc. United Rentals, Jeff City Victor L. Philips, Kansas City

BOONE COUNTY

REQUEST FOR DISPOSAL OF COUNTY PROPERTY

DATE	1/16/03	FIXED ASSET TAG NUMBER	07630
DESCRIE	PTION		
REQUES	Backhoe, CASE Sec# JTG 017 TED MEANS OF DISPOSAL:	I S80 SK TAME-TN	
OTHER I	NFORMATION:		
	el = 2739 ION OF ASSET FAIR		
	FOR DISPOSITION	when I'm Replacement	
DEPART	MENT Puller Worker	SIGNATURE	Som Comedo
ORIGINA ORIGINA		5 24 93 ≠43,780 16 2741-R4B	
COUNT	Y COMMISSION / COUNTY	CLERK	
APPROV	ED DISPOSAL METHOD:		
TR	ANSFER DEPARTMEN	T NAME	NUMBER
•	LOCATION W	ITHIN DEPARTMENT	
	INDIVIDUAL_		
	ADEAUCTION THER EXPLAIN	SEALED BIDS	
COMMIS	ssion order number 34	- 2003	
DATE A	PPROVED 28 JAN	2003	
SIGNAT			

BOONE COUNTY

REQUEST FOR DISPOSAL OF COUNTY PROPERTY

DATE 1/16/03	FIXED ASSET TAG NUMBER 0763/
DESCRIPTION BALLhoe,	Ase SBOSK
Sec# JJGO173527 REQUESTED MEANS OF DISPOSAL:	TRANE-IN
OTHER INFORMATION:	
CONDITION OF ASSET (5)	
CONDITION OF ASSET FMA.	
REASON FOR DISPOSITION Excessive Houses / Scheen	Pula Fon REPLANTANTENT
DEPARTMENT Pullie Works	SIGNATURE Son and
AUDITOR	
ORIGINAL PURCHASE DATE	5/24/93
ORIGINAL COST ORIGINAL FUNDING SOURCE	5/24/93 +43,780 1741-R&B
	
COUNTY COMMISSION / COUNT	Y CLERK
APPROVED DISPOSAL METHOD:	
TRANSFER DEPARTMEN	NT NAMENUMBER
LOCATION	WITHIN DEPARTMENT
INDIVIDUAL	
TRADE AUCTION	N SEALED BIDS
OTHER EXPLAIN	
COMMISSION ORDER NUMBER 32	1-2003
•	
DATE APPROVED JAN	2003

1/16/03

PURCHASE REQUISITION

DATE **BOONE COUNTY, MISSOURI Crown Power and Equipment** 4362 VENDOR NAME PHONE # VENDOR NO. STATE ZIP **ADDRESS** CITY 34-2003 **BID DOCUMENTATION** This field MUST be completed to demonstrate compliance with statutory bidding requirements. Refer to RSMo 50.660, 50.753-50.790, and the Purchasing Manual-Section 3 Transaction Not Subject To Bidding For The Following Reason: Bid /RFP (enter # below) ☐ Training ☐ Pub/Sub Sole Source (enter # below) Utility Pub/Subscriptions Emergency Procurement (enter # below) Travel Required Gov Payment Dues Written Quotes (3) attached (<\$750 to \$4,449) Agency Fund Distribution <\$750 No Bids Required (enter bid # below if you are purchasing Refund Cooperative Agreement from a bid, even if this purchase is <\$750) Other (Explain): Professional Services (see Purchasing Policy Section 3-103) #86-31DEC02

Ship To Department # 2040

(Enter Applicable Bid / Sole Source / Emergency Number)

Bill To Department # 2040

D	Department			Account					Item Description	Qty	Unit Price	Amount
2	0	4	0	9	2	3	0	0	2 Case 580 SM Backhoes including tradein		102,164	102,164. 00
									Fired			
									CLERK'S OFFICE			
									*DO NOT UNSTAPLE THESE PAGES *THE ONLY ACTION NEEDED IS TO WRITE THE			
									COMM ORDER # ON THE FORM AND RETURN TAUDITOR'S OFFICE.			

I certify that the goods, services or charges specified above are necessary for the use of this department, are solely for the benefit of the county, and have been procured in accordance with statutory bidding requirements.

Auditor Approval

PURCHASE AGREEMENT FOR BACKHOE

THIS AGREEMENT dated the 28 day of ANUARY 2003 is made between Boone County, Missouri, a political subdivision of the State of Missouri through the Boone County Commission, herein "County" and Crown Power & Equipment, herein "Contractor."

IN CONSIDERATION of the parties performance of the respective obligations contained herein, the parties agree as follows:

- 1. Contract Documents This agreement shall consist of this Purchase Agreement for a Backhoe, bid number 86-31DEC02 including Instructions and General Conditions of Bidding, Primary Specifications, Response Presentation and Review, unexecuted Response Form and Addendum One, as well as the Contractor's bid response dated December 31, 2002 executed by Robert Crane, on behalf of the Contractor. All such documents shall constitute the contract documents which are attached hereto and incorporated herein by reference. Service or product data, specification and literature submitted with bid response may be permanently maintained in the County Purchasing Office bid file for this bid if not attached. In the event of conflict between any of the foregoing documents, the terms, conditions, provisions and requirements contained in the bid specifications including Instructions and General Conditions of Bidding, Primary Specifications, Response Presentation and Review, the unexecuted Response Form and Addendum One shall prevail and control over the Contractor's bid response.
- 2. **Purchase** The County agrees to purchase from the Contractor and the Contractor agrees to supply the County a quantity of two (2) Year 2003 Case 580SM backhoes less the trade in of two (2) 1993 Case 580SK backhoes in conformity with the bid specifications and at the total cost of One Hundred Two Thousand One Hundred Sixty-Four (\$102,164.00). Contractor also agrees to provide the County for a period of 5 years from the date of this contract an hourly shop labor rate of \$65.00 and a 0% discount off of OEM list prices for said equipment.
- 3. **Delivery** Contractor agrees to deliver the backhoes per the bid specifications and within sixty (60) days after receipt of order.
- 4. *Billing and Payment* All billing shall be invoiced to the Boone County Public Works Department and billings may only include the prices listed in the Contractor's bid response. No additional fees for delivery or extra services or taxes shall be included as additional charges in excess of the charges in the Contractor's bid response to the specifications. The County agrees to pay all invoices within thirty days of receipt; Contractor agrees to honor any cash or prompt payment discounts offered in its bid response if county makes payment as provided therein. In the event of a billing dispute, the County reserves the right to withhold payment on the disputed amount; in the event the billing dispute is resolved in favor of the Contractor, the County agrees to pay interest at a rate of 9% per annum on disputed amounts withheld commencing from the last date that payment was due.
- 5. **Binding Effect** This agreement shall be binding upon the parties hereto and their successors and assigns for so long as this agreement remains in full force and effect.

- 6. Entire Agreement This agreement constitutes the entire agreement between the parties and supersedes any prior negotiations, written or verbal, and any other bid or bid specification or contractual agreement. This agreement may only be amended by a signed writing executed with the same formality as this agreement.
- 7. Termination This agreement may be terminated by the County upon thirty days advance written notice for any of the following reasons or under any of the following circumstances:
 - a. County may terminate this agreement due to material breach of any term or condition of this agreement, or
 - b. County may terminate this agreement if in the opinion of the Boone County Commission if delivery of products are delayed or products delivered are not in conformity with bidding specifications or variances authorized by County, or
 - c. If appropriations are not made available and budgeted for any calendar year.

IN WITNESS WHEREOF the parties through their duly authorized representatives have executed this agreement on the day and year first above written.

CROWN POWER & EQUIPMENT	BOONE COL	UNTY, MISSOURI
title CE-out Sales Rep.	Tull	e, Presiding Commissioner
APPROVED AS TO FORM:	ATTEST: Wendy S. Noven	S. Kou County Clerk
AUDITOR CERTIFICATION In accordance with RSMo 50.660, I hereby certify that a st available to satisfy the obligation(s) incurred by this contratthe terms of the contract do not create a measurable county	act. (Note: Certificati	ion of this contract is not required if
Signature d'. Pitchfack Signature dy se	1/21/03 Date	2040-92300 - \$102,164.00 Appropriation Account
organica de la companya della companya de la companya de la companya della compan	Date	Appropriation Account

CERTIFIED COPY OF ORDER

STATE OF MISSOURI

January Session of the November Adjourned

Term. 20 ()3

County of Boone

28th

January

20 03

the following, among other proceedings, were had, viz:

In the County Commission of said county, on the

Now on this day, the County Commission of the County of Boone does hereby award bid 75-17DEC02 for Hoses and Fittings to Applied Industrial Technology. It is further ordered that the Presiding Commissioner be hereby authorized to sign said contract.

Done this 28th day of January, 2003.

Keith Schnarre

Presiding Commissioner

ATTEST:

Clerk of the County Commission

Karen M. Miller

District I Commissioner

District II Commissioner

Boone County Purchasing

Marlene Ridgway Buyer



601 E.Walnut, Rm 209 Columbia, MO 65201 (573) 886-4392 Fax (573) 886-4390

35-2003

MEMORANDUM

TO:

Boone County Commission

FROM:

Marlene Ridgway

RE:

75-17DEC02 - Hoses and Fittings

DATE:

January 17, 2003

The Public Works Department and I have reviewed the above referenced bid. We recommend awarding to the low bidder for all sections to Applied Industrial Technology. The total annual expenditure for hoses and fittings is approximately \$10,000.00. This is to be paid from account 2040-60200.

I have attached the bid tabulation.

	Superior Industrial Supply	Applied Industrial Technology
4.23. GRAND TOTAL (TRANSFER TOTALS HERE)	Superior Industrial	Applied Industrial
SECTION 4.10.	\$ 11.06	\$ 10.48
SECTION 4.11.	\$ 18.88	\$ 19.58
SECTION 4.12.	\$ 33.58	\$ 34.22
SECTION 4.13.	\$ 15.86	\$ 15.79
SECTION 4.14.1.	\$ 49.50	\$ 50.85
SECTION 4.14.2.	\$ 3,170.59	\$ 3,219.88
SECTION 4.14.3.	\$ 74.22	\$ 81.69
SECTION 4.15.1.	\$ 124.05	\$ 81.59
SECTION 4.15.2.	\$ 2,365.76	\$ 2,027.99
SECTION 4.15.3.	\$ 1,371.75	\$ 1,203.18
SECTION 4.15.4.	\$ 593.82	\$ 288.01
SECTION 4.15.5.	\$ 761.12	\$ 587.12
SECTION 4.16.	\$ 1,177.21	\$ 1,142.19
SECTION 4.17.1.	\$ 414.70	\$ 403.63
SECTION 4.17.2.	\$ 753.78	\$ 733.62
SECTION 4.18.	\$ 881.63	\$ 954.76
SECTION 4.19.1.	\$ 434.93	\$ 428.20
SECTION 4.19.2.	\$ 173.13	\$ 108.60
SECTION 4.19.3.	\$ 97.60	\$ 64.52
SECTION 4.20.	\$ 4.10	\$ 3.91
SECTION 4.21.	\$ 201.37	\$ 174.70
SECTION 4.22.	\$ 101.99	\$ 120.26
TOTAL	\$ 12,830.63	\$ 11,754.77
		-

This total includes all items responded to equally between vendors.

Bid Tabulation 75-17DEC02 - Hoses and Fittings

		Superior Industrial	Applied Industrial
		Supply	Technology
	Specification		
	HOSE – LOW PRESSURE		
4.10.1	H338 Air Brake Hose (SAE J1402 A DOT ALL)		
	H33806	\$ 0.49	
	H33808	\$ 0.66	\$ 0.
4.10.2	H100 General Purpose Hose (Fabric Cover)		
	H10004	\$ 1.09	\$ 1.
	H10005	\$ 1.79	\$ 1.
	H10006	\$ 1.23	\$ 1.
	H10008	\$ 1.61	
	H100010	\$ 1.80	
	H100012	\$ 2.39	\$ 2.
	Section 4.10. Total	\$ 11.06	\$ 10.
	HOSE – HIGH PRESSURE		
4.11,1.	H425, SAE 100R2, Type AT		
	H42504-250R 1/4"	\$ 1.20	
	H42506 -250R 3/8"	\$ 1.39	\$ 1.
	H42508-250R 1/2"	\$ 1.59	\$ 1.
	H42510-250R 5/8"	\$ 1.94	
	H42512-250R 3/4"	\$ 2.52	\$ 2
	H42516-250R 1"	\$ 3.31	\$ 3
	H42520-150R 1¼"	\$ 6.93	\$ 7
	Section 4.11. Total	\$ 18.88	\$ 19
4.40	HOSE SI FEVES AND CHARDS		
	HOSE SLEEVES AND GUARDS		
4.12.1.	Heavy Duty Poly Hose Guard A9900	\$ 0.11	\$ 0.
	A9901	\$ 1.18	
	A9902		
	A9902 A9903		
	A9904 A9905	\$ 4.79 \$ 5.60	
	Abrasion Sleeve A3900	\$ 0.99	\$ 0
	A3901	\$ 0.99	
	A3902		
	A3903	\$ 1.31	\$ 1
	A3904	\$ 1.77	
	A3905	\$ 1.89	
	A3906	\$ 2.00	
	A3907 A3908	\$ 2.87 \$ 3.11	\$ 2 \$ 3

	Locator Clamp A4910	\$ 1.18	\$ 1.
	Section 4.12. Total	\$ 33.58	\$ 34.
	HOSE CLAMPS		
4.13.1.	Hose Clamps		
4.13.1.	HK0509	\$ 0.19	
4.13.1.	HK0509 HK0709	\$ 0.19	\$ 0.
4.13.1.	HK0509 HK0709 HK0809	\$ 0.19 \$ 0.23	\$ 0. \$ 0.
4.13.1.	HK0509 HK0709 HK0809 HK0913	\$ 0.19 \$ 0.23 \$ 0.24	\$ 0. \$ 0. \$ 0.
4.13.1.	HK0509 HK0709 HK0809	\$ 0.19 \$ 0.23 \$ 0.24 \$ 0.24	\$ 0. \$ 0. \$ 0.
4.13.1.	HK0509 HK0709 HK0809 HK0913	\$ 0.19 \$ 0.23 \$ 0.24	\$ 0. \$ 0. \$ 0.
4.13.1.	HK0509 HK0709 HK0809 HK0913 HK1013	\$ 0.19 \$ 0.23 \$ 0.24 \$ 0.24	\$ 0. \$ 0. \$ 0. \$ 0.
4.13.1.	HK0509 HK0709 HK0809 HK0913 HK1013	\$ 0.19 \$ 0.23 \$ 0.24 \$ 0.24 \$ 0.24	\$ 0. \$ 0. \$ 0. \$ 0. \$ 0.
4.13.1.	HK0509 HK0709 HK0809 HK0913 HK1013 HK1113	\$ 0.19 \$ 0.23 \$ 0.24 \$ 0.24 \$ 0.24 \$ 0.31	\$ 0. \$ 0. \$ 0. \$ 0. \$ 0. \$ 0.
4.13.1.	HK0509 HK0709 HK0809 HK0913 HK1013 HK1113 HK1213	\$ 0.19 \$ 0.23 \$ 0.24 \$ 0.24 \$ 0.24 \$ 0.31 \$ 0.28	\$ 0. \$ 0. \$ 0. \$ 0. \$ 0. \$ 0. \$ 0.

		Sup	erior Industrial Supply		Applied Industrial Technology
	HK1713	\$	0.38	\$	0.37
	HK1813	\$	0.54		0.53
	HK1913	\$	0.54		0.53
	HK2017	\$	0.66		0.66
	HK2117	\$	0.56	\$	0.55
	HK2317	\$	0.74		0.73
	HK2517	\$	0.76		0.75
	HK2617	\$	0.88		0.86
	HL2917	\$	0.93		0.91
	HK3117	\$	0.97		0.95
	HK3217	\$	1.00		0.98
	HK3317	\$	1.06		1.04
	HK3417	\$	1.95		1.99
	HK3817	\$	1.98	\$	2.03
	Section 4.13. Total	\$	15.86	\$	15.79
4.14.	HOSE ENDS				
	Coll Crip 338 'P' Series				
	Male Pipe Rigid				
	33806P-104	\$	1.09	\$	1.13
	33806P-106	\$	1.22		1.25
	33806P-108	\$	1.53	\$	1.57
	33808P-106	\$	1.36		1.25
	33808P-108	\$	1.63	\$	1.67
4.14.1.2.	Male Pipe Swivel				
	33806P-J06	\$	3.02	\$	3.09
4.14.1.3.	SAE 45° Female Swivel				
	33806P-406	\$	1.53	\$	1.57
	33808P-408	\$	2.13	\$	2.18
4.14.1.4.	Air Brake Slider Line				
	33806P-Y66	\$	4.38		4.48
	33806P-Y68	\$	4.77		4.88
	33808P-Y68	\$	13.98	\$	14.61
			·····		
	Air Brake Swivel				
	33806P-Y76				
	33808P-Y76	\$	2.88		2.95
	33808P-Y78	\$	4.17	\$	4.27
4.14.1.6.					
	1390x6	\$	0.81		0.83
	1390x6x6	\$	0.90		0.92
	1390x6x8	\$	2.10		2.15
	1390x8	\$	0.92		0.94
	1390x8x8	\$	1.08		1.11
	SECTION 4.14.1. TOTAL	\$	49.50	->	50.85
4 14 2	Coll Crimp 'U' Series				
	Male Pipe Rigid			_	
	04U-102	\$	1.30	•	1.24
	04U-104	\$	1.60		1.56
	04U-106	\$	1.59		1.65
	04U-108	\$	2.34		2.41
	06U-104	\$	1.62		1.54
	06U-106	\$	1.84		1.75
	06U-108	\$	2.09	-	2.04
	08U-104	\$	1.99		2.14
	UUU-1UT		1.98		1.93
		, qc			1.73
	08U-106	\$			
	08U-106 08U-108	\$	2.03	\$	1.97
	08U-106 08U-108 08U-112	\$	2.03 3.10	\$	1.97 3.02
	08U-106 08U-108 08U-112 10U-106	\$ \$ \$	2.03 3.10 5.17	\$ \$	1.97 3.02 5.43
	08U-106 08U-108 08U-112 10U-106 10U-108	\$ \$ \$	2.03 3.10 5.17 4.60	\$ \$ \$	1.97 3.02 5.43 4.47
	08U-106 08U-108 08U-112 10U-106	\$ \$ \$	2.03 3.10 5.17	\$ \$ \$	1.97 3.02 5.43

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ė.		Su	perior Industrial Supply		Applied Industrial Technology
	12U-112	\$	3.66	\$	3.50
	12U-116	\$	4.78		4.66
.	16U-112	\$	4.95		5.20
	16U-116	\$	5.62		5.46
	20U-120	\$	12.47		12.09
l					
	4.14.2.2. British Standard Tapered Male Pipe (BSPT) Rigid				
Ī	04U-154	\$	2.18	\$	2.23
Ī	06U-156	\$	2.14	\$	2.19
	08U-158	\$	3.83	\$	3.92
Ĺ	12U-162	\$	5.26		5.40
Į.	16U-166	\$	7.89	\$	8.09
-					
	4.14.2.3. British Standard 60° (BSPP) Cone Male Pipe Rigid				
ļ.	04U-P54	\$	2.76		2.83
ŀ	06U-P56	\$	3.11		3.18
-	06U-P58	\$	11.41		11.69
ŀ	08U-P56	\$	4.45		4.56
	08U-P58 10U-P60	\$	4.50		4.61
ŀ		\$	18.44		18.89
	12U-P62 16U-P66	\$	6.09		6.25
ŀ	20U-P67	\$	8.37	\$ \$	8.57
ŀ	200-707	3	31.87	Þ	32.64
ŀ	4.14.2.4. Male Pipe Swivel				
ŀ	04U-J04	\$	3.29	\$	3.20
ŀ	06U-J04	\$	3.49		3.40
ŀ	06U-J06	\$	3.06		2.66
F	06U-J08	\$	3.59		3.50
ŀ	08U-J06	\$	3.86	<u> </u>	3.95
ŀ	08U-J08	\$	3.27	\$	3.18
F	12U-J12	\$	5.35	\$	5.21
1	16U-J16	\$	10.20		9.92
	-	<u> </u>		<u> </u>	
	4.14.2.5. FOR-SEAL Male Rigid				
	04U-E64	\$	3.00		3.08
	06U-E66	\$	3.40	\$	3.48
L	06U-E68	\$	11.16		11.82
L	08U-E70	\$	9.15	\$	9.38
-	08U-E72	\$	13.10		13.73
	08U-E68	\$	3.95		4.04
	10U-E70	\$	19.39		19.87
-	10U-E72	\$	11.60		11.89
-	12U-E72	\$	17.84		18.28
-	12U-E76	\$	27.93		28.61
- -	16U-E76	\$	17.77		18.21
F	20U-E80	\$	24.81	\$	25.41
-	4.14.2.6. SAE 37° Male Rigid				
-	04U-504	\$	1.86	•	1.88
<u> </u>	04U-505	\$	2.61		1.91
H	04U-506	\$	1.97		2.02
F	06U-506	\$	2.16		2.05
F	06U-508	\$	2.10		3.03
- h	06U-510	\$	2.96		3.03
J	08U-508	\$	2.45		2.48
1		\$	2.77		2.63
-	[08U-510				3.32
-	08U-510 08U-512	\$	3.50	Þ	
			3.50 5.88		
	08U-512	\$		\$	6.03 3.00
-	08U-512 10U-508	\$ \$	5.88	\$ \$	6.03
	08U-512 10U-508 10U-510	\$ \$ \$	5.88 3.16	\$ \$	6.03 3.00
	08U-512 10U-508 10U-510 10U-512	\$ \$ \$	5.88 3.16 4.62	\$ \$ \$	6.03 3.00 4.38 6.84
	08U-512 10U-508 10U-510 10U-512 12U-510	\$ \$ \$ \$	5.88 3.16 4.62 6.67	\$ \$ \$ \$	6.03 3.00 4.38 6.84 3.46
- - - - - -	08U-512 10U-508 10U-510 10U-512 12U-510 12U-512	\$ \$ \$ \$ \$	5.88 3.16 4.62 6.67 3.64	\$ \$ \$ \$	6.03 3.00 4.38
	08U-512 10U-508 10U-510 10U-512 12U-510 12U-512 12U-514	\$ \$ \$ \$ \$	5.88 3.16 4.62 6.67 3.64 5.22	\$ \$ \$ \$ \$	6.03 3.00 4.38 6.84 3.46 4.96
	08U-512 10U-508 10U-510 10U-512 12U-510 12U-512 12U-514 12U-516	\$ \$ \$ \$ \$ \$	5.88 3.16 4.62 6.67 3.64 5.22 5.39	\$ \$ \$ \$ \$ \$	6.03 3.00 4.38 6.84 3.46 4.96 5.21

			rior Industrial Supply		pplied Industrial Technology
	20U-520	\$	12.95	\$	13.9
41427	SAE 45°, Flare, MALE Rigid				
7,17,2,1,	06U-306	\$	2.33	\$	2.3
	12U-312	\$	4.95		5.1
41428	Male Straight Thread O-Ring Rigid				
7.17.2.0.	04U-P04	\$	2.69	\$	2.5
	04U-P05	\$	2.64		2.7
	04U-P06	\$	2.67	\$	2.5
	06U-P06	\$	2.79	\$	2.6
	06U-P08	\$	2.50	\$	2.3
	06U-P10	\$	3.53		3.6
	08U-P08	\$	2.45		2.3
	08U-P10	\$	3.38	\$	3.2 4.6
	08U-P12 10U-P08	\$ \$	3.95 5.40		5.5
	10U-P10	\$	4.76		4.8
	10U-P12	\$	5.73	\$	5.8
	12U-P10	\$	6.63	\$	6.79
	12U-P12	\$	4.92	\$	4.7
	12U-P16	\$	6.50		6.8
	16U-P16	\$	7.40	\$	7.59
	20U-P20	\$	10.39	\$	13.7
4.14.2.9.	Male Straight Thread O-Ring Swivel				
	04U-R04	\$	3.35	\$	3.4
	06U-R06	\$	3.19		3.2
	06U-R08	\$	3.43		3.6
	08U-R08	\$	3.52		3.60
	08U-R10	\$	3.60	\$	3.4 6.9
	08U-R12 10U-R08	\$	6.81 9.45		10.0
	12U-R10	\$	8.71	\$	8.9
	Female Pipe Swivel:				
	04U-254	\$	6.21	\$	6.52
	06U-256 08U-258	\$	5.41 6.57	\$	5.6 6.8
	12U-262	\$	11.15		11.7
	16U-266	\$	13.65		13.9
444044	Formula Otraight Ding Control				
4.14.2.11.	Female Straight Pipe Swivel 04U-054	\$	3.50	*	3.4
	06U-056	\$	3.75		3.6
	08U-058	\$	4.46		4.3
	12U-062	\$	7.67		7.2
	16U-066	\$	9.26	\$	9.4
	20U-070	\$	15.69	\$	16.4
4.14.2.12.	SAE 37° Female Swivel				
	04U-604	\$	1.81	\$	1.8
	04U-605	\$	1.96	\$	1.8
	04U-606	\$	1.98		1.8
	06U-604	\$	2.27		2.3
	06U-406	\$	2.06		2.0
	06U-606	\$	2.28	\$	2.1
	06U-608	\$	2.28		2.1
	06U-610 06U-612	\$	3.13 6.45		3.3 6.6
	08U-606	\$	3.29	\$	3.3
	08U-608	\$	2.79	\$	2.8
	08U-610	\$	2.83		2.8
	08U-612	\$	4.59		4.5
	08U-616	\$	7.69		7.9
	10U-608	\$	7.77	\$	7.3
	10U-610	\$	4.89		4.8
	10U-612	\$	4.67	\$	4.6

	.*	(Superior Industrial Supply	Applied Industrial Technology
	12U-610	\$	4.84	
	12U-412	\$	4.90	\$ 4.82
	12U-612	\$	4.67	\$ 4.62
,	12U-614	\$	6.19	\$ 5.93
-1	12U-616	\$	5.37	\$ 5.24
	16U-612	\$	7.66	\$ 7.84
	16U-614	\$	8.59	\$ 8.80
	16U-616	\$	7.13	\$ 6.86
	16U-620	\$	10.46	\$ 10.72
	20U-620	\$	17.39	
4.14.2.13	Female Swivel 30° Flare (Komatsu, Linkbelt)	T		
	04U-14K	\$	7.35	\$ 7.53
	06U-18K	\$	6.61	\$ 6.78
	08U-22K	\$	7.89	\$ 8.08
	10U-24K	\$	13.84	\$ 14.18
	12U-30K	\$	10.83	\$ 11.09
	16U-33K	\$	12.65	\$ 12.96
	20U-36K	\$	42.91	\$ 43.96
4.14.2.14	British Standard (BSPP) 60° Cone Female Pipe Sv	vivel		
	04U-354	\$	3.73	\$ 3.54
	04U-356	\$	3.69	
	06U-356	\$		
	06U-358	\$	3.28	
	08U-358	\$		\$ 4.39
	08U-360	\$	5.41	\$ 5.54
	10U-360	\$		\$ 18.34
 	12U-362	\$		\$ 6.50
<u> </u>	16U-366	\$		\$ 9.94
-	20U-370	\$	29.79	\$ 30.51
 	200-070	+*	20.10	Ψ σσ.σ γ
414215	Female FOR-SEAL® Swivel Straight			
_ 4.14.2.10	04U-S64	\$	2.90	\$ 2.75
	04U-S66	\$		\$ 3.38
	04U-S68	\$	9.45	
	06U-S64	\$		
	06U-S66	\$		\$ 3.62
	06U-S68	\$	4.37	\$ 4.15
	08U-S66	\$	4.35	
	08U-S68	\$	4.62	
	08U-S70	\$	6.58	
	08U-S72	\$	7.24	
	10U-S70	\$	7.56	· · · · · · · · · · · · · · · · · · ·
	100-570	\$	9.01	
	12U-S70	\$	6.25	
	12U-S72	\$	8.78	•
-	12U-S76	\$	22.47	
-	16U-S72	\$	19.53	
	16U-S76	\$	12.70	
	16U-S80	\$	22.44	
	20U-S80	\$		\$ 24.51
	200-380	+*	23.92	\$ 24.31
444040	PCDD Elet Coot Econolo Cuival (UIAD Coope - Coop	dich)		
4.14.2.10.	BSPP Flat Seat Female Swivel (HIAB Cranes-Swe 06U-06P	\$	13.48	\$ 13.80
	06U-08P	\$	14.01	
	08U-08P	\$	17.81	
	08U-12P	\$	15.89	
		\$		\$ 19.48
	12U-12P	+*	19.00	\$ 15.40
444047	Split Elanga Straight (SAE Code SA)	+		
4.14.2.17.	Split Flange Straight (SAE Code 61)	-	9.85	\$ 10.09
· · · · · ·	08U-G08	\$		
	12U-G12	\$	9.36	
	12U-G16	\$	9.58	
	16U-G16	\$	12.45	
	16U-G20	\$	12.71	
	20U-G20	\$	15.75	
	20U-G24	\$	19.50	\$ 19.98

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	Split Flange Straight Metric (Komatsu, Linkbelt,				
	etc.)				
	10U-G09	\$	10.68	\$	10
4.14.2.19.	SAE 37° Female Swivel 30° Tube Elbow				
	10U-L22	\$	7.20	\$	7
	0.15.070.5				
	SAE 37° Female Swivel, 45° Tube Elbow: 04U-684	\$	4.59	\$	4
	04U-685	\$	4.80		4
	06U-486	\$	4.65	\$	4
	06U-684	\$	4.46		4
	06U-686 06U-688	\$	5.11 5.45	\$	
	08U-688	\$	5.50	\$	
	08U-690	\$	7.60	\$	7
	10U-692	\$	8.30	\$	
	12U-692	\$	10.77	\$	10
	12U-696 16U-696	\$	14.17 18.96		14 17
	100-000	Ψ	10.00	<u> </u>	
	British Standard 60° Cone (BSPP) Female Swivel 45	o° Elbow			
	04U-44P	\$	7.59	\$	
	06U-46P 08U-48P	\$	5.96 10.99		(
	10U-50P	\$ \$	18.44	\$ \$	18
	12U-52P	\$	21.00	\$	21
	16U-56P	\$	25.25	\$	25
	20U-60P	\$	29.79	\$	30
4 14 2 22	Female FOR-SEAL® Swivel 45° Tube Elbow				
	04U-L64	\$	5.07	\$	5
	04U-L66	\$	5.31	\$	5
	06U-L66	\$	5.34		5
	06U-L68 08U-L66	\$ \$	6.73 6.25	\$	6
	08U-L68	\$	5.97	\$	5
	08U-L70	\$	9.41	\$	9
	10U-L70	\$	9.86		10
	10U-L72 12U-L70	\$ \$	10.72 10.90		10 11
	12U-L72	\$	11.29		11
	12U-L76	\$	13.37		13
	16U-L72	\$	12.43		12
	16U-L76	\$	17.41		17
	16U-L80 20U-L80	\$	31.41 28.64		32 29
	200	<u> </u>	20.04	<u> </u>	
	Split Flange 45° Tube Elbow (SAE Code 61)				
	08U-G41	\$	9.98		10
	12U-G42 12U-G46	\$	12.57 12.77		12 13
	120-G46 16U-G46	\$	15.85		16
	16U-G50	\$	16.46		16
	20U-G50	\$	20.20		20
4 14 2 24	Colit Elango 450 Tuba Elbaur Matria (Vanatari 1911)	olt ota \			
	Split Flange 45° Tube Elbow-Metric (Komatsu, Linkb 10U-G69	s etc.)	11.77	\$	12
	MALE Pipe Swivel, 90° Elbow				
	04U-M04	\$	6.01		5
	06U-M06 06U-M04	\$	6.25 7.14		<u>5</u> 7
	08U-M08	\$	4.38		4
	12U-M12	\$	11.60		11

Supply Tech	6.85 6.74 15.55 4.64 4.95 4.53 4.95 4.64 5.81
08U-X60	4.64 4.95 4.53 4.95 4.64 5.81
4.14.2.27. SAE 37° Female Swivel 90° Tube Elbow 04U-664 \$ 4.88 \$ 04U-665 \$ 5.21 \$ 04U-666 \$ 4.77 \$ 06U-664 \$ 4.83 \$ 06U-666 \$ 4.88 \$ 06U-668 \$ 6.12 \$ 08U-668 \$ 6.02 \$ 08U-670 \$ 7.20 \$ 10U-670 \$ 7.72 \$ 10U-672 \$ 8.17 \$ 12U-670 \$ 13.04 \$ 12U-672 \$ 10.23 \$ 16U-676 \$ 16.57 \$	4.64 4.95 4.53 4.95 4.64 5.81
04U-664 \$ 4.88 \$ 04U-665 \$ 5.21 \$ 04U-666 \$ 4.77 \$ 06U-664 \$ 4.83 \$ 06U-666 \$ 4.88 \$ 06U-668 \$ 6.12 \$ 08U-668 \$ 6.02 \$ 08U-670 \$ 7.20 \$ 10U-670 \$ 7.72 \$ 10U-672 \$ 8.17 \$ 12U-670 \$ 13.04 \$ 12U-672 \$ 10.23 \$ 16U-676 \$ 16.57 \$	4.95 4.53 4.95 4.64 5.81
04U-664 \$ 4.88 \$ 04U-665 \$ 5.21 \$ 04U-666 \$ 4.77 \$ 06U-664 \$ 4.83 \$ 06U-666 \$ 4.88 \$ 06U-668 \$ 6.12 \$ 08U-668 \$ 6.02 \$ 08U-670 \$ 7.20 \$ 10U-670 \$ 7.72 \$ 10U-672 \$ 8.17 \$ 12U-670 \$ 13.04 \$ 12U-672 \$ 10.23 \$ 16U-676 \$ 16.57 \$	4.95 4.53 4.95 4.64 5.81
04U-666 \$ 4.77 \$ 06U-664 \$ 4.83 \$ 06U-666 \$ 4.88 \$ 06U-668 \$ 6.12 \$ 08U-668 \$ 6.02 \$ 08U-670 \$ 7.20 \$ 10U-670 \$ 7.72 \$ 10U-672 \$ 8.17 \$ 12U-670 \$ 13.04 \$ 12U-672 \$ 10.23 \$ 16U-676 \$ 16.57 \$	4.53 4.95 4.64 5.81
04U-666 \$ 4.77 \$ 06U-664 \$ 4.83 \$ 06U-666 \$ 4.88 \$ 08U-668 \$ 6.12 \$ 08U-670 \$ 7.20 \$ 10U-670 \$ 7.72 \$ 10U-672 \$ 8.17 \$ 12U-670 \$ 13.04 \$ 12U-672 \$ 10.23 \$ 16U-676 \$ 16.57 \$	4.95 4.64 5.81
06U-666 \$ 4.88 \$ 06U-668 \$ 6.12 \$ 08U-668 \$ 6.02 \$ 08U-670 \$ 7.20 \$ 10U-670 \$ 7.72 \$ 10U-672 \$ 8.17 \$ 12U-670 \$ 13.04 \$ 12U-672 \$ 10.23 \$ 16U-676 \$ 16.57 \$	4.64 5.81
06U-668 \$ 6.12 \$ 08U-668 \$ 6.02 \$ 08U-670 \$ 7.20 \$ 10U-670 \$ 7.72 \$ 10U-672 \$ 8.17 \$ 12U-670 \$ 13.04 \$ 12U-672 \$ 10.23 \$ 16U-676 \$ 16.57 \$	5.81
08U-668 \$ 6.02 \$ 08U-670 \$ 7.20 \$ 10U-670 \$ 7.72 \$ 10U-672 \$ 8.17 \$ 12U-670 \$ 13.04 \$ 12U-672 \$ 10.23 \$ 16U-676 \$ 16.57 \$	
08U-670 \$ 7.20 \$ 10U-670 \$ 7.72 \$ 10U-672 \$ 8.17 \$ 12U-670 \$ 13.04 \$ 12U-672 \$ 10.23 \$ 16U-676 \$ 16.57 \$	
10U-670 \$ 7.72 \$ 10U-672 \$ 8.17 \$ 12U-670 \$ 13.04 \$ 12U-672 \$ 10.23 \$ 16U-676 \$ 16.57 \$	5.72
10U-672 \$ 8.17 \$ 12U-670 \$ 13.04 \$ 12U-672 \$ 10.23 \$ 16U-676 \$ 16.57 \$	6.82
12U-670 \$ 13.04 12U-672 \$ 10.23 16U-676 \$ 16.57	7.33
12U-672	8.37
16U-676 \$ 16.57 \$	13.36
	9.71
200-011 \$ 31.93 \$	15.73 30.30
	30.30
4.14.2.28. SAE 37° Female Swivel Long Drop 90° Tube	
04U-644 \$ 6.26 \$	6.41
06U-644 \$ 4.76 \$	4.87
06U-646 \$ 7.37 \$	6.99
08U-648 \$ 8.89 \$	8.45
08U-650 \$ 5.61 \$	5.74
12U-652 \$ 7.30 \$	6.93
16U-656L33 \$ 12.17 \$	12.46
4.14.2.29. British Standard (BSPP) 60° Cone Female Pipe Swivel 90° Elbow	
04U-74P \$ 11.19 \$	11.46
06U-76P \$ 10.29 \$	10.55
	9.95
08U-78P \$ 7.87 \$	8.06
08U-80P \$ 13.35 \$	13.68
10U-80P \$ 12.41 \$	12.72
12U-82P \$ 12.75 \$	13.07
16U-86P	22.44 36.99
	00.00
4.14.2.30. Female FOR-SEAL® Swivel Short Drop 90° Elbow	
04U-A24 \$ 4.98 \$	5.10
04U-A26 \$ 5.47 \$	5.60
06U-A24 \$ 5.76 \$ 06U-A26 \$ 5.49 \$	5.90
06U-A26 \$ 5.49 \$ 06U-A28 \$ 6.35 \$	5.48 6.51
08U-A26 \$ 12.71 \$	13.02
08U-A28 \$ 6.38 \$	6.06
08U-A30 \$ 8.98 \$	9.21
08U-A32 \$ 16.32 \$	16.72
10U-A30 \$ 9.18 \$	9.41
10U-A32 \$ 10.10 \$	10.34
12U-A30 \$ 11.80 \$	12.09
12U-A32 \$ 11.11 \$	11.10
12U-A36	24.43
16U-A36 \$ 15.88 \$	16.27
16U-A40 \$ 31.38 \$	32.51
20U-A40 \$ 29.56 \$	30.29
20U-A44 \$ 38.44 \$	39.38
4.14.2.31. Female FOR-SEAL® Swivel Medium Drop 90° Tube Elbow	
04U-J34 \$ 5.44 \$	5.57
	6.17
	12.51
04U-J36 \$ 6.02 \$	
04U-J36 \$ 6.02 \$ 04U-J38 \$ 12.22 \$	5.94
04U-J36 \$ 6.02 \$ 04U-J38 \$ 12.22 \$	5.94 6.99
04U-J36 \$ 6.02 04U-J38 \$ 12.22 06U-J36 \$ 5.80	

			Superior Industrial Supply		Applied Industrial Technology
	08U-J42	\$	27.41	\$	28.09
***************************************	10U-J40	\$	8.04		8.23
	12U-J40	\$	18.54	\$	18.99
	12U-J42	\$	11.92	\$	12.22
	16U-J46	\$	15.61	\$	15.99
	16U-J50	\$	33.10	\$	33.91
	20U-J50	\$	31.16	\$	31.92
4.14.2.32.	Female FOR-SEAL® Swivel Long Drop 90° Tube E	lbow		-	
	04U-A64	\$	5.75	\$	5.89
	04U-A66	\$	5.60	\$	5.73
	06U-A66	\$	5.60	\$	5.74
	06U-A68	\$	6.28	\$	6.43
	08U-A68	\$	6.54	\$	6.71
	08U-A70	\$	8.94	\$	9.16
	10U-A70	\$	9.50	\$	9.74
	12U-A72	\$	12.12	\$	12.42
	16U-A76	\$	16.64	\$	17.05
	20U-A80	\$	32.46	\$	33.25
	20U-A84	\$	40.06	\$	41.04
		<u> </u>			
4.14.2.33.	SAE 37° Female Swivel 90° Tube Elbow:				
	04U-55 4	\$	6.96	\$	7.13
	06U-556	\$	6.38	\$	6.53
	08U-558	\$	8.04		8.23
	08U-560	\$	8.30		8.51
	12U-560	\$	19.64		20.12
	12U-562	\$	18.85	\$	19.31
	12U-564	\$	18.07	\$	18.51
4.14.2.34.	Male Straight Thread O-Ring Swivel 90° Elbow				
	04U-R66	\$	5.47	\$	5.61
	06U-R66	\$	5.69	\$	5.41
	06U-R68	\$	5.94	\$	5.64
	06U-R70	\$	7.80	\$	7.99
	08U-R68	\$	7.25	\$	6.88
	08U-R70	\$	7.53	\$	7.16
	08U-R72	\$	10.52	\$	10.78
	12U-R72	\$	16.70	\$	17.11
4.14.2.35.	Split Flange 90° Tube Elbow (SAE Code 61)				
	08U-G71	\$	11.65	\$	11.94
	12U-G72	\$	12.68	\$	12.99
	12U-G76	\$	12.79	\$	13.10
	16U-G76	\$	16.20	\$	16.60
	16U-G80	\$	17.52	\$	17.95
	20U-G80	\$	19.95	\$	20.44
	20U-G84	\$	25.99	\$	26.62
	SECTION 4.14.2. TOTAL	\$	3,170.59	\$	3,219.88
4.14.3	Field Attachable 338 'B' Series				· · · · · · · · · · · · · · · · · · ·
	Male Connector				
	33806B-Y24	\$	1.95	\$	2.63
	33806B-Y26	\$	1.95	_	2.74
	33806B-Y28	\$	2.40	_	2.74
	33808B-Y26	\$	4.12		4.22
	33808B-Y28	\$	4.14	\$	4.38
	Female Connector		0.55	<u>^</u>	0.04
	33806B-Y76	\$	3.23	\$_	3.31
	33808B-Y78	\$	4.72	\$	4.83
4.14.3.3.	Female Connector with Adapter				
	33806B-Y84	\$	3.90	\$	3.99
	33806B-Y86	\$	4.13	\$	4.23
	33808B-Y86	\$	6.36	\$	6.52

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4.14.3.4	Hose Mender				
	33806B-Y06	\$	4.88		7.57
	33808B-Y08	\$	9.23	\$	10.75
4.14.3.5	Adapter				
	1390x6	\$	0.81	\$	0.83
	1390x6x6	\$	0.90		0.92
	1390x6x8 1390x8	\$	2.10		2.15
	1390x8x8	\$	0.92 1.08	\$ \$	0.94 1.11
	1090000	Ψ	1.00	9	1.11
4.14.3.6.	Spring Guard				
	33806-C	\$	0.54		0.56
	33808-C	\$	0.72	\$	0.75
11137	Insert (Body Only)				······································
4.14.3.7	1391x6	\$	1,42	\$	1.45
	1391x6x6	\$	1.68	\$	1.72
	1391x6x8	\$	1.68	\$	1.72
	1391x8	\$	2.17	\$	2.22
	1391x8x8	\$	2.51	\$	2.57
4.14.3.8.	Slaava				
4.14.5.0.	33806-A	\$	0.50	\$	0.51
	33808-A	\$	0.86	\$	0.88
<u>4.14.3.9.</u>					
	33806-B 33808-B	\$	0.98 1.21	\$	1.00 1.24
	33000-D	\$	1.21	Þ	1.24
.14.3.10.	Nut for Spring Guard				
	33806-D	\$	1.46	\$	1.50
	33808-D	\$	1.67	\$	1.71
	SECTION 4.14.3. TOTAL	\$	74.22	\$	81.69
4.15.	STEEL FITTINGS				
4.15.1	Brass Adapters				
	SAE 45° Flare Union				
	42×2			_	
	42x3	\$	0.65		0.54
	42x3 42x4	\$	0.34	\$	0.27
	42x3 42x4 42x5	\$ \$	0.34 0.55	\$ \$	0.27 0.34
	42x3 42x4	\$	0.34	\$ \$ \$	0.27
	42x3 42x4 42x5 42x6 42x8 42x10	\$ \$ \$	0.34 0.55 0.65	\$ \$ \$	0.27 0.34 0.54
	42x3 42x4 42x5 42x6 42x8	\$ \$ \$ \$	0.34 0.55 0.65 1.22	\$ \$ \$	0.27 0.34 0.54 0.74
	42x3 42x4 42x5 42x6 42x8 42x10 42x12	\$ \$ \$ \$	0.34 0.55 0.65 1.22	\$ \$ \$	0.27 0.34 0.54 0.74
4.15.1.2.	42x3 42x4 42x5 42x6 42x8 42x10 42x12 SAE 45° Flare Male Connector	\$ \$ \$ \$ \$	0.34 0.55 0.65 1.22 1.86	\$ \$ \$ \$ \$	0.27 0.34 0.54 0.74 1.73
4.15.1.2.	42x3 42x4 42x5 42x6 42x8 42x10 42x12	\$ \$ \$ \$ \$	0.34 0.55 0.65 1.22 1.86	\$ \$ \$ \$ \$	0.27 0.34 0.54 0.74 1.73
4.15.1.2.	42x3 42x4 42x5 42x6 42x8 42x10 42x12 SAE 45° Flare Male Connector 48x2	\$ \$ \$ \$ \$	0.34 0.55 0.65 1.22 1.86	\$ \$ \$ \$ \$ \$	0.27 0.34 0.54 0.74 1.73 0.46 0.18
4.15.1.2.	42x3 42x4 42x5 42x6 42x8 42x10 42x12 SAE 45° Flare Male Connector 48x2 48x3 48x4 48x4x4	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	0.34 0.55 0.65 1.22 1.86 0.52 0.28 0.28 0.37	\$ \$ \$ \$ \$ \$ \$	0.27 0.34 0.54 0.74 1.73 0.46 0.18 0.28
1.15.1.2.	42x3 42x4 42x5 42x6 42x8 42x10 42x12 SAE 45° Flare Male Connector 48x2 48x3 48x4 48x4x4	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	0.34 0.55 0.65 1.22 1.86 0.52 0.28 0.28 0.37 0.38	\$ \$ \$ \$ \$ \$ \$ \$	0.27 0.34 0.54 0.74 1.73 0.46 0.18 0.28 0.23
4.15.1.2.	42x3 42x4 42x5 42x6 42x8 42x10 42x12 SAE 45° Flare Male Connector 48x2 48x3 48x4 48x4x4 48x5 48x5x4	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	0.34 0.55 0.65 1.22 1.86 0.52 0.28 0.28 0.37 0.38 0.53	\$ \$ \$ \$ \$ \$ \$ \$ \$	0.27 0.34 0.54 0.74 1.73 0.46 0.18 0.28 0.23 0.33
4.15.1.2.	42x3 42x4 42x5 42x6 42x8 42x10 42x12 SAE 45° Flare Male Connector 48x2 48x3 48x4 48x4 48x5 48x5x4 48x6x2	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	0.34 0.55 0.65 1.22 1.86 0.52 0.28 0.28 0.37 0.38 0.53 0.66	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	0.27 0.34 0.54 0.74 1.73 0.46 0.18 0.28 0.23 0.33
1.15.1.2.	42x3 42x4 42x5 42x6 42x8 42x10 42x12 SAE 45° Flare Male Connector 48x2 48x3 48x4 48x4 48x5 48x5x4 48x6x2 48x6	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	0.34 0.55 0.65 1.22 1.86 0.52 0.28 0.28 0.37 0.38 0.53 0.66 0.50	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	0.27 0.34 0.54 0.74 1.73 0.46 0.18 0.28 0.23 0.33 0.46 0.46
1.15.1.2.	42x3 42x4 42x5 42x6 42x8 42x10 42x12 SAE 45° Flare Male Connector 48x2 48x3 48x4 48x4 48x5 48x5x4 48x6x2	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	0.34 0.55 0.65 1.22 1.86 0.52 0.28 0.28 0.37 0.38 0.53 0.66	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	0.27 0.34 0.54 0.74 1.73 0.46 0.18 0.28 0.23 0.33
4.15.1.2.	42x3 42x4 42x5 42x6 42x8 42x10 42x12 SAE 45° Flare Male Connector 48x2 48x3 48x4 48x4 48x5 48x5x4 48x6x2 48x6 48x6x8 48x7	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	0.34 0.55 0.65 1.22 1.86 0.52 0.28 0.28 0.37 0.38 0.53 0.66 0.50 0.71 1.15	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	0.27 0.34 0.54 0.74 1.73 0.46 0.18 0.28 0.23 0.33 0.46 0.49 0.96
4.15.1.2.	42x3 42x4 42x5 42x6 42x8 42x10 42x12 SAE 45° Flare Male Connector 48x2 48x3 48x4 48x4 48x5 48x5 48x6 48x6x2 48x6 48x6x8 48x7 48x8x4	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	0.34 0.55 0.65 1.22 1.86 0.52 0.28 0.28 0.37 0.38 0.53 0.66 0.50 0.71 1.15	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	0.27 0.34 0.54 0.74 1.73 0.46 0.18 0.28 0.23 0.33 0.46 0.49 0.96
J.15.1.2.	42x3 42x4 42x5 42x6 42x8 42x10 42x12 SAE 45° Flare Male Connector 48x2 48x3 48x4 48x4 48x5 48x5x4 48x6x2 48x6 48x6x8 48x7 48x8x4 48x8	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	0.34 0.55 0.65 1.22 1.86 0.52 0.28 0.28 0.37 0.38 0.53 0.66 0.50 0.71 1.15	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	0.27 0.34 0.54 0.74 1.73 0.46 0.18 0.28 0.23 0.33 0.46 0.49 0.90 0.55
4.15.1.2.	42x3 42x4 42x5 42x6 42x8 42x10 42x12 SAE 45° Flare Male Connector 48x2 48x3 48x4 48x4 48x5 48x5x4 48x6x2 48x6 48x6x8 48x7 48x8x4 48x8 48x8	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	0.34 0.55 0.65 1.22 1.86 0.52 0.28 0.28 0.37 0.38 0.53 0.66 0.50 0.71 1.15 1.21 0.79 1.04	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	0.27 0.34 0.54 0.74 1.73 0.46 0.18 0.28 0.23 0.33 0.46 0.49 0.90 0.55 0.83
4.15.1.2.	42x3 42x4 42x5 42x6 42x8 42x10 42x12 SAE 45° Flare Male Connector 48x2 48x3 48x4 48x4 48x5 48x5 48x6 48x6x2 48x6 48x6x8 48x7 48x8x4 48x8 48x8 48x8	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	0.34 0.55 0.65 1.22 1.86 0.52 0.28 0.28 0.37 0.38 0.53 0.66 0.50 0.71 1.15 1.21 0.79 1.04 2.64	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	0.27 0.34 0.54 0.74 1.73 0.46 0.18 0.28 0.23 0.33 0.46 0.49 0.96 0.90 0.55 0.83 1.05
4.15.1.2.	42x3 42x4 42x5 42x6 42x8 42x10 42x12 SAE 45° Flare Male Connector 48x2 48x3 48x4 48x4 48x5 48x5x4 48x6x2 48x6 48x6x8 48x7 48x8x4 48x8 48x8	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	0.34 0.55 0.65 1.22 1.86 0.52 0.28 0.28 0.37 0.38 0.53 0.66 0.50 0.71 1.15 1.21 0.79 1.04	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	0.27 0.34 0.54 0.74 1.73 0.46 0.18 0.28 0.23 0.33 0.46 0.49 0.90 0.55 0.83
4.15.1.2.	42x3 42x4 42x5 42x6 42x8 42x10 42x12 SAE 45° Flare Male Connector 48x2 48x3 48x4 48x4 48x5 48x5 48x6 48x6x2 48x6 48x6x8 48x7 48x8x4 48x8 48x8 48x8 48x10x6	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	0.34 0.55 0.65 1.22 1.86 0.52 0.28 0.28 0.37 0.38 0.53 0.66 0.50 0.71 1.15 1.21 0.79 1.04 2.64 2.56	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	0.27 0.34 0.54 0.74 1.73 0.46 0.18 0.28 0.23 0.33 0.46 0.49 0.96 0.90 0.55 0.83 1.05

			or Industrial Supply	Applied Industrial Technology
	54x4	\$	0.95	
	54x4x4	\$	1.78	
	54x5	\$	1.35	
	54x6	\$	1.39 \$	
	54x6x6			
	54x8	\$	1.71 \$	1.50
	54x8x8	\$	2.66 \$	
	54×10	\$	4.48 \$	
	54x10x6	\$	2.89 \$	
	34×10×0		2.09 \$	2.13
11511	SAE 45° Flare Male Elbow			
4.15.1.4.	49x2		0.00	
		\$	0.86 \$	
	49x3	\$	0.53 \$	
	49x4	\$	0.54 \$	
	49x4x4	\$	0.83 \$	
	49x5	\$	0.58 \$	
	49x5x4	\$	0.93 \$	
	49x6x2	\$	1.26 \$	0.7
	49x6	\$	1.02 \$	0.6
	49x6x6	\$	1.27 \$	
	49x6x8	\$	2.48 \$	
	49×7	7		
	49x8x4	\$	1.71 \$	1.19
	49x8	\$	1.47 \$	
	49x8x8			
		\$	2.26 \$	
	49x10x6	\$	2.64 \$	
	49x10	\$	2.56 \$	
	49x12	\$	4.04 \$	
	49x12x12	\$	5.49 \$	3.82
4.15.1.5.	Adapter			
	3200x2x1			
	3200x2	\$	0.35 \$	0.19
	3200x4x2	\$	0.66 \$	
	3200x4	\$	0.63 \$	
	3200x6x4	\$	1.12 \$	
	3200x6	\$	1.15 \$	
	3200x8x6	\$	2.02 \$	
	3200x12x6			
		\$	4.03 \$	
	3200x12x8	\$	4.22 \$	2.75
4.15.1.6.				
	3200x4x2	\$	0.66 \$	0.19
	3220x6x2	\$	0.46 \$	0.30
	3220x6x4	\$	1.12 \$	0.30
	3220x8x2			
		1.35	0.86 \$	0.48
	3220x8x4	\$	0.86 \$ 0.81 \$	
	3220x8x4 3220x8x6	\$	0.81 \$	0.4
	3220x8x6	\$ \$	0.81 \$ 2.02 \$	0.45 0.42
	3220x8x6 3220x12x6	\$ \$ \$	0.81 \$ 2.02 \$ 1.44 \$	0.45 0.42 1.07
	3220x8x6	\$ \$	0.81 \$ 2.02 \$	0.45 0.42 1.07
	3220x8x6 3220x12x6 3200x12x8	\$ \$ \$	0.81 \$ 2.02 \$ 1.44 \$	0.45 0.42 1.07
4.15.1.7.	3220x8x6 3220x12x6 3200x12x8 Coupling	\$ \$ \$ \$	0.81 \$ 2.02 \$ 1.44 \$ 1.22 \$	0.49 0.42 1.07 0.69
4.15.1.7.	3220x8x6 3220x12x6 3200x12x8 Coupling 3300x1	\$ \$ \$ \$	0.81 \$ 2.02 \$ 1.44 \$ 1.22 \$ 2.13 \$	0.49 0.42 1.07 0.69
4.15.1.7.	3220x8x6 3220x12x6 3200x12x8 Coupling 3300x1 3300x2	\$ \$ \$ \$	0.81 \$ 2.02 \$ 1.44 \$ 1.22 \$ 2.13 \$ 0.34 \$	0.44 0.42 1.07 0.69 2.04
4.15.1.7.	3220x8x6 3220x12x6 3200x12x8 Coupling 3300x1	\$ \$ \$ \$	0.81 \$ 2.02 \$ 1.44 \$ 1.22 \$ 2.13 \$	0.44 0.42 1.07 0.69 2.04
4.15.1.7.	3220x8x6 3220x12x6 3200x12x8 Coupling 3300x1 3300x2	\$ \$ \$ \$	0.81 \$ 2.02 \$ 1.44 \$ 1.22 \$ 2.13 \$ 0.34 \$ 0.59 \$	0.44 0.43 1.07 0.69 2.04 0.24
4.15.1.7.	3220x8x6 3220x12x6 3200x12x8 Coupling 3300x1 3300x2 3300x4 3300x4 3300x6	\$ \$ \$ \$ \$ \$ \$	0.81 \$ 2.02 \$ 1.44 \$ 1.22 \$ 2.13 \$ 0.34 \$ 0.59 \$ 1.11 \$	0.44 0.42 1.07 0.68 2.04 0.24 0.47
4.15.1.7.	3220x8x6 3220x12x6 3200x12x8 Coupling 3300x1 3300x2 3300x4 3300x4 3300x6 3300x8	\$ \$ \$ \$ \$ \$ \$ \$	0.81 \$ 2.02 \$ 1.44 \$ 1.22 \$ 2.13 \$ 0.34 \$ 0.59 \$ 1.11 \$ 1.48 \$	0.44 0.43 1.07 0.68 2.04 0.24 0.47 0.58 1.33
4.15.1.7.	3220x8x6 3220x12x6 3200x12x8 Coupling 3300x1 3300x2 3300x4 3300x4 3300x6	\$ \$ \$ \$ \$ \$ \$	0.81 \$ 2.02 \$ 1.44 \$ 1.22 \$ 2.13 \$ 0.34 \$ 0.59 \$ 1.11 \$	0.44 0.43 1.07 0.68 2.04 0.24 0.47 0.58 1.33
4.15.1.7.	3220x8x6 3220x12x6 3200x12x8 Coupling 3300x1 3300x2 3300x4 3300x6 3300x8 3300x8	\$ \$ \$ \$ \$ \$ \$ \$	0.81 \$ 2.02 \$ 1.44 \$ 1.22 \$ 2.13 \$ 0.34 \$ 0.59 \$ 1.11 \$ 1.48 \$	0.44 0.43 1.07 0.68 2.04 0.24 0.47 0.58 1.33
4.15.1.7.	3220x8x6 3220x12x6 3200x12x8 Coupling 3300x1 3300x2 3300x4 3300x6 3300x8 3300x12 Hex Nipple	\$ \$ \$ \$ \$ \$ \$ \$ \$	0.81 \$ 2.02 \$ 1.44 \$ 1.22 \$ 2.13 \$ 0.34 \$ 0.59 \$ 1.11 \$ 1.48 \$ 2.87 \$	0.44 0.42 1.01 0.63 2.04 0.24 0.47 0.56 1.33 1.86
4.15.1.7.	3220x8x6 3220x12x6 3200x12x8 Coupling 3300x1 3300x2 3300x4 3300x6 3300x8 3300x12 Hex Nipple 3325x1	\$ \$ \$ \$ \$ \$ \$ \$ \$	0.81 \$ 2.02 \$ 1.44 \$ 1.22 \$ 2.13 \$ 0.34 \$ 0.59 \$ 1.11 \$ 1.48 \$ 2.87 \$	0.4 0.4 1.0 0.6 2.0 0.2 0.4 0.5 1.3 1.8
4.15.1.7.	3220x8x6 3220x12x6 3200x12x8 Coupling 3300x1 3300x2 3300x4 3300x6 3300x8 3300x12 Hex Nipple 3325x1 3325x2x1	\$ \$ \$ \$ \$ \$ \$ \$ \$	0.81 \$ 2.02 \$ 1.44 \$ 1.22 \$ 2.13 \$ 0.34 \$ 0.59 \$ 1.11 \$ 1.48 \$ 2.87 \$ 5.44 \$ 6.18 \$	0.44 0.42 1.01 0.63 2.04 0.24 0.47 0.51 1.33 1.86 5.20 1.44
4.15.1.7.	3220x8x6 3220x12x6 3200x12x8 Coupling 3300x1 3300x2 3300x4 3300x6 3300x8 3300x12 Hex Nipple 3325x1 3325x2x1 3325x2	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	0.81 \$ 2.02 \$ 1.44 \$ 1.22 \$ 2.13 \$ 0.34 \$ 0.59 \$ 1.11 \$ 1.48 \$ 2.87 \$ 5.44 \$ 6.18 \$ 0.25 \$	0.44 0.42 1.07 0.69 2.04 0.24 0.47 0.58 1.32 1.86 5.20 1.44 0.17
4.15.1.7.	3220x8x6 3220x12x6 3200x12x8 Coupling 3300x1 3300x2 3300x4 3300x6 3300x8 3300x12 Hex Nipple 3325x1 3325x2x1 3325x2 3325x4x2	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	0.81 \$ 2.02 \$ 1.44 \$ 1.22 \$ 2.13 \$ 0.34 \$ 0.59 \$ 1.11 \$ 1.48 \$ 2.87 \$ 5.44 \$ 6.18 \$ 0.25 \$ 0.61 \$	0.44 0.42 1.07 0.69 2.04 0.24 0.47 0.58 1.32 1.86 5.20 1.44 0.17 0.29
4.15.1.7.	3220x8x6 3220x12x6 3200x12x8 Coupling 3300x1 3300x2 3300x4 3300x6 3300x8 3300x12 Hex Nipple 3325x1 3325x2x1 3325x2	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	0.81 \$ 2.02 \$ 1.44 \$ 1.22 \$ 2.13 \$ 0.34 \$ 0.59 \$ 1.11 \$ 1.48 \$ 2.87 \$ 5.44 \$ 6.18 \$ 0.25 \$	0.45 0.42 1.07 0.69 2.04 0.24 0.41 0.58 1.32 1.86 5.20 1.44 0.17 0.29
4.15.1.7.	3220x8x6 3220x12x6 3200x12x8 Coupling 3300x1 3300x2 3300x4 3300x6 3300x8 3300x12 Hex Nipple 3325x1 3325x2x1 3325x2 3325x4x2	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	0.81 \$ 2.02 \$ 1.44 \$ 1.22 \$ 2.13 \$ 0.34 \$ 0.59 \$ 1.11 \$ 1.48 \$ 2.87 \$ 5.44 \$ 6.18 \$ 0.25 \$ 0.61 \$	0.44 0.42 1.07 0.69 2.04 0.24 0.47 0.58 1.32 1.86 5.20 1.44 0.17 0.29 0.30
4.15.1.7.	3220x8x6 3220x12x6 3200x12x8 Coupling 3300x1 3300x2 3300x4 3300x6 3300x8 3300x12 Hex Nipple 3325x1 3325x2x1 3325x2x1 3325x2x3 3325x4x2 3325x4x2	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	0.81 \$ 2.02 \$ 1.44 \$ 1.22 \$ 2.13 \$ 0.34 \$ 0.59 \$ 1.11 \$ 1.48 \$ 2.87 \$ 5.44 \$ 6.18 \$ 0.25 \$ 0.61 \$ 0.45 \$	0.45 0.42 1.07 0.65 2.04 0.24 0.41 0.58 1.32 1.86 5.20 1.44 0.17 0.25 0.30 0.73

. *	. •		Superior Industrial Supply		Applied Industrial Technology
	3325x8	\$	1.72	\$	1.04
	3325×12	\$	3.40	\$	2.30
	SECTION 4.15.1. TOTAL	\$	124.05	\$	81.59
4.15.2	Pine	-		<u> </u>	
	Hex Socket Plug	 		-	
4, 10,2,1	C3169x1	-	0.44	\$	0.20
	C3169x2	\$	0.41 0.57		0.30
4**************************************	C3169x4	\$	0.78		0.4
***************************************	C3109X4	*	0.78	Þ	0.04
4.15.2.2	Square Head Plug Pipe Thread				
	C3179x2	\$	0.57	\$	0.5
	C3179x4	\$	0.64		0.5
	C3179x6	\$	0.82		0.7
	C3179x8	\$		\$	0.9
	C3179x12	\$		\$	1.39
	C3179x16	\$	4.88	\$	4.20
			7,00		
4.15.2.3	Hex Head Plug				
77.10.2.0	C3159x2	\$	0.36	\$	0.28
	C3159x4	\$	0.44		0.34
	C3159x6	\$	0.54		0.44
	C3159x8	\$	0.90		0.69
	C3159x12	\$	1.51		1.32
	C3159x16	\$	2.80		2.44
	C3159x16	\$	3.42		2.44
	C3159x24	\$	5.65		4.94
	C3159x32			\$	
	C3139X32	\$	10.99		9.59
1 15 2 1	Bushing				
4.13.2.4.	C3109x4x2	\$	0.43	•	0.35
	C3109x4x2 C3109x6x2	\$	0.53		0.30
	C3109x6x4	\$	0.59		0.48
	C3109x8x2	*	2.50		2.18
	C3109x8x4	\$	1.00	\$	0.77
	C3109x8x6	\$	0.92	\$	0.77
	C3109x12x4	\$	1.44		1.26
	C3109x12x4 C3109x12x6	<u> </u>		\$	1.20
	C3109x12x8	\$	1.45 1.32	\$	1.27
	C3109x12x6 C3109x16x6	\$			
	C3109x16x8	<u>\$</u> \$	2.71	\$	2.37
	C3109x16x6 C3109x16x12				
	C3109x16x12 C3109x20x8	\$	2.07	\$	1.59
		\$	5.16	_	4.50
	C3109x20x12	\$	4.29		3.74
	C3109x20x16	\$	4.26		3.72
	C3109x24x12	\$	7.69	\$	6.71
	C3109x24x16	\$	6.45	\$	5.63
	C3109x24x20	\$	7.77	\$	6.78
	C3109x32x20	\$	11.92	\$	10.40
	C3109x32x24	\$	12.68	\$	11.07
44505	Adaptor				
4.15.2.5.	C3209x4x2	<u>_</u>		•	4 - 4
		\$	1.16	<u> </u>	1.01
	C3209x6x4	\$	1.30	\$	1.14
	C3209x8x2	\$	5.39	\$	4.7
	C3209x8x4	\$	2.38	\$	2.08
	C3209x8x6	\$		\$	2.00
	C3209x12x4	\$	5.95	\$	5.19
	C3209x12x8	\$	2.82		2.4
	C3209x16x8	\$	7.50	\$	6.5
	C3209x16x12	\$		\$	4.50
	C3209x20x16	\$	24.12	\$	21.0
	C3209x24x20	\$	50.91	\$	44.43
	C3209x32x24	\$	35.18	\$	30.71
4.15.2.6.	Female Straight Thread O-Ring to Male Pipe Adapte				
	C3239x6x6	\$	1.33	\$	1.16

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C3239x6x8	\$	1.52	\$	1.32
C3239x8x6	\$	2.05		1.79
C3239x8x8	\$	2.29	\$	2.00
C3239x10x8	\$	2.92	\$	2.55
445.0.7			_	
4.15.2.7. Coupling C3309x2	 	0.00		0.00
C3309x4x2	\$	0.98 1.57	\$ \$	0.86 1.37
C3309x4	\$	1.10	\$	0.84
C3309x6x4	\$	1.65	\$	1.43
C3309x6	\$	1.39	\$	1.06
C3309x8x4	\$	2,46	\$	2.14
C3309x8x6	\$	2.39	\$	2.09
C3309x8	\$	2.03	\$	1.64
C3309x12x8	\$	3.79	\$	3.31
C3309x12	\$	2.98	\$	2.28
C3309x16x12	\$	7.38	\$	6.44
C3309x16	\$	5.70	\$	4.98
C3309x20	\$	9.47	\$	8.26
C3309x24	\$	17.38	\$	15.17
C3309x32	\$	48.14	\$	42.01
	<u> </u>			
4.15.2.8. Hex Nipple	 			
C3069x1	\$	3.80	\$	3.32
C3069x2x1	\$	4.05	\$	3.53
C3069x2 C3069x4x2	\$	0.44	\$	0.34
C3069x4x2	\$	0.66 0.59	\$	0.58 0.45
C3069x6x2	\$	1.31	\$	1.15
C3069x6x4	\$	0.81	\$	0.71
C3069x6	\$	0.81	\$	0.62
C3069x8x4	\$	1.37	\$	1.20
C3069x8x6	\$	1.37	\$	1.20
C3069x8	\$	1.10	\$	0.85
C3069x12x8	\$	2.12	\$	1.85
C3069x12	\$	1.86	\$	1.43
C3069x16x12	\$	3.12	\$	2.72
C3069x16	\$	2.92	\$	2.35
C3069x20	\$	5.07	\$	4.42
C3069x24	\$	11.58	\$	10.11
C3069x32	\$	30.48	\$	26.60
445.00 14 1 00 11 177 10 10 10 10 10 10 10 10 10 10 10 10 10				
4.15.2.9. Male Straight Thread O-Ring to Mail Pipe Adapter C3249x4x2	-	4 4 4	\$	0.00
C3249x4x2 C3249x6x4	\$	1.14 0.82	\$	0.99 0.71
C3249x8x6	\$	1.28	\$	1.12
C3249x8x8	\$	3.24	\$	2.83
C3249x10x8	\$	1.81	\$	1.58
C3249x12x12	\$	2.38	\$	2.07
C3249x16x16	\$	4.08	\$	3.56
C3249x20x20	\$	4.99	\$	4.35
C3249x24x24	\$	24.45	\$	21.34
C3249x32x32	\$	60.05	\$	52.41
4.15.2.10. Bulkhead Coupling				
W05465	\$	2.43	\$	1.80
W21204	\$	2.29	\$	1.70
W17709	\$	5.41	\$	5.17
W05498	\$	4.50	\$	2.71
W05499	\$	5.00	\$	4.77
W05730	\$	9.92	\$	4.61
W23464	\$	11.70	\$	11.17
4.15.2.11. 45° Elbow				
C3559x6	\$		\$	2.85
C3559x8	\$		\$	4.69
C3559x12	\$	9.52		8.31
C3559x16	\$	13.06	\$	11.41

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	TF3559x4	\$	Supply 2.76	\$	r echnology 2.4
	11733384	- •	2.76	1 3	۷.۵
4.15.2.12.	45° Street Elbow		·····		
	C3359x2	\$	2.30	\$	2.0
	C3359x4	\$	2.40		2.1
	C3359x6	\$	3.09		2.7
	C3359x8	\$	5.07		4.4
	C3359x12 C3359x16	\$	7.52		6.5
	C3359x16	\$	11.48	\$	10.0
	C3359x24				
	C3359x32	\$	135.72	\$	121.1
445042	00° Elbani				
4.15.2.13.	C3509x2	\$	2.08	\$	1.8
	C3509x4	\$	2.23		1.9
	C3509x6	\$	3.26		2.8
	C3509x8	\$	4.42		3.8
	C3509x12	\$	6.89	\$	5.2
	C3509x16	\$	11.27	\$	9.8
	C3509x20 C3509x24	\$	19.66	\$	17.1
	C3509x24 C3509x32	\$.	118.80	\$	103.6
	0000000	+*	110.00	-	100.0
4.15.2.14.	90° Street Elbow				
	C3409x2	\$	1.69		1.3
	C3409x4	\$	2.27	\$	1.8
	C3409x6	\$	3.09	\$	2.3
	C3409x8 C3409x12	\$	4.39 7.34	\$	3.3 5.6
	C3409x16	\$	11.74	\$	9.0
	C3409x20	\$	17.55		14.9
	C3409x24				
	C3409x32	\$	117.93	\$	102.9
115215	90° Straight Thread O-Ring Male Elbow				
	TF3459x4	\$	2.09	\$	1.8
	TF3459x5	\$	2.68	\$	2.3
	TF3459x6	\$	2.55	\$	2.2
	TF3459x8	\$	4.14	\$	2.7
	TF3459x10	\$	7.78		4.0
	TF3459x12	\$	8.90		5.6
	TF3459x14 TF3459x16	\$	14.61		12.7 9.1
	TF3459x16	\$	13.82 18.28		15.9
	TF3459x24	\$	31.18		27.2
	TF3459x32	\$	119.18	\$	104.0
	90° Straight Thread O-Ring Male Elbow Long	 	40.70		
	C3469x8 C3469x10	\$	10.78 12.35		9,4
	C3469x10	\$	20.07		17.5
	C3469x16	\$	36.18		31.5
	90° Straight Thread O-Ring Male Elbow to Male P				
	TF3569x4 TF3569x5	\$	2.41		2.1
	TF3569x6	\$	2.21 2.39		1.9 2.0
	TF3569x8	\$	3.22		2.8
	TF3569x10	\$	4.44		3.0
	TF3569x12	\$	6.60		5.7
	TF3569x14	\$	7.76		6.
	TF3569x16	\$	10.53		9.3
	TF3569x20	\$	16.58	\$	14.4
				-	
	TF3569x24 TF3569x32	\$	24.01 136.70		20.9 119.3

		Г	Superior Industrial		Applied Industrial
			Supply	L	Technology
	TF3529x2	\$	1.81		1.17
	TF352 9 x4	\$	2.14		1.37
	TF3529x6x4 TF3529x6	\$	2.25	\$	1.97 1.85
	TF3529x8x6	\$	2.59	\$	2.26
	TF3529x8	\$	3.64	\$	2.47
* ************************************	TF3529x12x8	\$	4.47	\$	3.90
	TF3529x12	\$	5.61	\$	3.89
	TF3529x16x12	\$	7.15	\$	6.24
	TF3529x16	\$	7.18		6.27
	TF3529x20	\$	14.76	\$	12.88
	TF3529x24	\$	22.31	\$	19.47
4.15.2.19.	Tee	├─			
	C3709x2	\$	2.66	\$	2.32
	C3709x4	\$	3.10	\$	2.38
	C3709x6	\$	4.38	\$	3.54
	C3709x8	\$	6.15	\$	4.71
	C3709x12	\$	9.13	\$	7.00
	C3709x16	\$	14.22	\$	12.41
	C3709x20	\$	25.36	\$	22.13
	TF3709x24	\$	42.92	\$	37.46
	TF3709x32	\$	179.62	\$	156.76
4.15.2.20.	Male Branch Tee C3609x2	\$	3.34	\$	2.91
	C3609x4	\$	3.74		3.27
	C3609x6	<u> </u>			
	C3609x8				
	C3609x12				
	C3609x16	\$	12.52	\$	12.41
4.15.2.21.	Male Run Tee				
	TF3759x2	\$	3.10	\$	1.64
	TF3759x4	\$	3.34	\$	1.79
	TF3759x6	\$	4.98	\$	2.26
	TF3759x8	\$	6.48	\$	3.53
	TF3759x12	\$	9.66	\$	5.47
	TF3759x16	\$	19.26		12.73
	TF3759x20	\$	27.69		21.23
	TF3759x24	\$	56.36		49.18
	TF3759x32	\$	196.32	\$	171.33
	SECTION 4.15.2. TOTAL	\$	2,365.76	\$	2,027.99
4 15 3	SAE 37° Fare-Twin				
	Straight Thread O-Ring Connector				
	C5315X2	\$	3.26	\$	2.85
	C5315X3	\$	3.55	\$	3.10
	C5315X4	\$	0.54	\$	0.41
	C5315X4X5	\$	1.56	\$	1.36
	C5315X4X6	\$	1.08		0.94
	C5315X4X8	\$	1.62		1.41
	C5315X5X4	\$	1.99		1.74
	C5315X5	\$	0.93		0.81
	C5315X5X6	\$	1.05		0.92
	C5315X6X4	\$	1.12		0.97
	C5315X6X5	\$	1.20		1.05
	C5315X6	\$	0.66		0.51 0.89
	C5315X6X8 C5315X6X10	\$	1.10 1.38	_	1.21
	C5315X6X10	\$	1.35		1.18
	C5315X8	\$	1.04		0.89
	C5315X8 C5315X8X10	\$	1.37		1.05
	C5315X8X12	\$	2.13		1.86
	C5315X10X8	\$	1.39		1.21
	C5315X10	\$	1.31		1.15

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	C5315X10X12	\$	2.27	\$	1.99
	C5315X10X16	\$	5.36	\$	4.68
	C5315X12X8	\$	1.97		1.72
,1	C5315X12X10	\$	2.12	\$	1.85
1	C5315X12	\$	1.88	\$	1.44
	C5315X12X14	\$	3.19	\$	2.79
	C5315X12X16	\$	3.13	\$	2.72
	C5315X12X20	\$	8.12	\$	7.09
	C5315X14	\$	2.79	\$	2.44
***************************************	C5315X16X10	\$	5.32	\$	4.65
	C5315X16X12	\$	2.82	\$	2.46
.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	C5315X16	\$	3.09	\$	2.37
	C5315X16X20	\$	5.92	\$	5.16
	C5315X20X16	\$	6.69		5.84
	C5315X20	\$	5.97	\$	5.21
	C5315X20X24	\$	13.75		12.00
	C5315X24X20	\$	11.56	\$	10.10
	C5315X24	\$	7.99		6.97
	C5315X24X32	\$	57.67	\$	58.29
	C5315X32X24	\$	68.83		60.07
	C5315X32				
4.15.3.2.	37° Female Swivel To Male O-Ring				
	C5216X4X4	\$	3.21		2.81
	C5216X4X6	\$	3.37	\$	2.94
	C5216X6X6	\$	3.98	\$	3.47
	C5216X6X8	\$	4.28	\$	3.74
	C5216X8X6	\$	4.38	\$	3.82
	C5216X8X8	\$	4.33	\$	3.78
	C5216X10X10	\$	5.82	\$	5.08
	C5216X12X12	\$	6.25	\$	5.46
	C5216X16X16	\$	10.36		9.04
-	C5216X20X20	\$	25.45		22.22
	C5216X24X24	\$	43.06		37.58
	C5216X32X32	\$	55.97	\$	48.84
4.15.3.3.	45° Male Elbow				
	C5355X2	\$	7.44	\$	6.49
	C5355X3	\$	4.67	\$	4.08
	C5355X4	\$	2.02		1.76
	C5355X4X4	\$	2.56		2.23
	C5355X5	\$	2.59		2.26
	C5355X5X4	\$	3.00	<u> </u>	2.62
	C5355X6X2	\$	4.02		3.50
	C5355X6	\$	2.56	\$	2.23
	C5355X6X6	\$	3.17	\$	2.76
	C5355X6X8	\$	4.60	<u> </u>	4.01
	C5355X8X4	\$	4.53		3.95
	C5355X8 C5355X8X8	\$	3.22	\$	2.81
		\$	3.80		3.32
ļ	C5355X10X6	\$	5.62		4.90
	C5355X10	\$	3.84	\$	3.35
	C5355X12X8 C5355X12	\$	6.27	\$	5.47 4.56
		\$	5.22		
ļ	C5355X16X12 C5355X16	\$	9.97	<u>\$</u> \$	8.70 7.41
······	C5355X16	\$	8.50	D	7.41
	C5355X24		45.50	•	19.52
	C5355X24	\$	15.52	\$	19.52
	O0000A02	-			
A 45 2 A	Swivel Nut 45° Elbow				
4.15.3.4.	C5356X4	-	2.65	\$	2.31
	C5356X5	\$	2.65	Ψ	2.31
	C5356X6	+	3.22	\$	2.81
	C5356X8	\$			3.45
	C5356X10	\$	3.95 6.13	\$	5.36
	C5356X10 C5356X12	\$	7.19		6.28
	C5356X12			_	
L	UUUU0∧14	\$	16.63	\$	14.52

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	C5356X16	\$	12.47	\$	10.8
	C5356X20	L			
	C5356X24	\$	28.58	\$	24.3
4.15.3.5.	Straight Thread O-Ring 45° Elbow		***************************************		
	C5365X4	\$	3.25	\$	2.84
	C5365X5	\$	3.82	\$	3.3
	C5365X6	\$	3.65	_	3.1
	C5365X8 C5365X8X10	\$	4.01	•	3.5
	C5365X8X10	\$	7.42 6.71	\$	6.4 5.8
	C5365X10 C5365X12X10	\$	11.06	\$	9.6
	C5365X12	\$	9.42		8.2
	C5365X16	\$	13.55		11.8
	C5365X20	\$	23.72	\$	20.7
	C5365X24				
4.15.3.6	90° Male Elbow				
4.10.0.0.	C5405X2	\$	3.43	\$	2.9
	C5405X3	\$	2.10	\$	1.8
	C5405X4	\$	1.70	\$	1.3
	C5405X4X4	\$	1.92	\$	1.4
	C5405X5	\$	2.09	\$	1.8
	C5405X5X4	\$	2.21	\$	1.9
	C5405X6X2	\$	2.77	\$	2.4
	C5405X6	\$	2.08	\$	1.6
	C5405X6X6	\$	2.54	\$	1.9
	C5405X6X8	\$	3.86	\$	2.9
	C5405X8X4 C5405X8	\$	3.21 2.62	\$	2.8
	C5405X8X8	\$	3.69	\$	2.9
	C5405X8X12	\$	6.24	\$	4.7
	C5405X10X6	\$	4.06	\$	3.5
	C5405X10	\$	3,51	\$	3.0
	C5405X10X12	\$	4.78	\$	4.1
	C5405X12X8	\$	5.05	\$	4.4
	C5405X12	\$	4.76	\$	3.6
	C5405X14				
	C5405X16X12	\$	10.01	\$	8.7
	C5405X16	\$	9.08		6.9
	C5405X20X16 C5405X20	\$	16.09	\$	14.0
	C5405X20 C5405X24	\$	13.98 22.08	<u>\$</u> \$	10.7 19.2
	C5405X24 C5405X32	\$	52.37	\$	45.7
4.15.3.7.	90° Female Elbow C5455X4	\$	2.35	\$	2.0
	C5455X4X4		2.00	<u> </u>	
	C5455X5				
	C5455X6X2	\$	4.78	\$	4.1
	C5455X6	\$	2.82	\$	2.4
	C5455X6X6	\$	4.17	\$	3.6
	C5455X8X4	\$	4.42		3.8
	C5455X8	\$	4.16		3.6
	C5455X8X8	\$	5.95	\$	5.1
	C5455X10	\$	6.07		5.2
	C5455X12X8	\$	8.30	\$	7.2
	C5455X12 C5455X14	\$	8.96 12.24	<u>\$</u> \$	7.8 10.6
	C5455X16	\$	15.09	\$	13.1
	C5455X20	Ψ	15.01	Ψ	13.
	Swivel Nut 90° Elbow C5506X4	\$	2.61	\$	2.0
	C5506X5	\$	3.19		2.7
	C5506x6	\$	2.97	<u> </u>	2.2
	C5506x8	\$	3.75		3.0
	C5506x10	\$	4.74	\$	3.0

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With the same of t	C5506x12	\$	6.67	\$	5.11
***************************************	C5506x14				
	C5506x16	\$	11.55	\$	8.86
	C5506x20	\$	21.31	\$	18.61
		ـ		<u> </u>	
4.15.3.9	90° Male Pipe to SAE Swivel	 _	4.02	_	4.00
	TF5406X6	\$	1.83 2.18	\$	1.60 1.90
	TF5406X8	\$	2.18	\$	2.54
	TF5406X10	\$	3.84	\$	3.35
	TF5406X12	\$	5.68		4.96
	TF5406X16	\$	9.50	\$	8.29
	TF5406X20	\$	19.01		16.60
	TF5406X24	\$	29.54	\$	25.78
	TF5406X32	\$	164.35	\$	143.44
		<u> </u>			
4.15.3.10.	Straight Thread O-Ring 90° Elbow	<u> </u>		<u> </u>	5.00
***************************************	C5515X3	\$	6.42		5.60
	C5515X4 C5515X5	\$	2.68	-	2.06
	C5515X6	\$	3.21 3.03		2.80 2.44
	C5515X6X8	\$	3.42		2.44
	C5515X8X6	\$	4.34		3.79
l	C5515X10	\$	4.78		4.18
	C5515X12X10	\$	9.19		8.02
	C5515X12	\$	6.68	\$	5.40
	C5515X14	\$	11.75		10.25
	C5515X16X12	\$	10.89		9.50
	C5515X16	\$	10.72		8.22
	C5515X20 C5515X24	\$	20.92		18.26
	C5515X24	\$	21.47	\$	23.23
	SECTION 4.15.3. TOTAL	\$	1,371.75	\$	1,203.18
445.4		<u> </u>		_	
1,1 1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1	Metric Male 37° To Male Metric Straight Thread Connector	-			
4.15.4.1.	Wale of To Male Metro Straight Thread Sonnector				
	MC5315X4X10	\$	6.71	\$	3.03
	MC5315X4X12	\$	8.61	\$	5.11
	MC5315X4X14	\$	6.72	\$	6.01
	MC5315X6X14	\$	8.69		3.83
	MC5315X6X16	\$	9.11		4.26
	MC5315X8X18	\$	10.40		4.31
-	MC5315X8X22 MC5315X10X20	\$	10.57 19.39	\$	6.90 7.29
	MC5315X10X20 MC5315X12X22	\$	13.12		6.30
	MC5315X12X27	\$	33.32	_	10.69
	MC5315X16X33	\$	46.68		13.32
	MC5315X20X42	\$	55.71	\$	18.99
	Female 37° Swivel to Male JIS Metric Taper Pipe Th	read			
	M9700X4X6	\$	4.87		4.74
	M9700X5X8	\$	5.65		5.49
	M9700X6X10	\$	6.40		6.23
	M9700X8X12	\$	8.65		8.42
	M9700X10X14 M9700X16X25	\$	10.42		10.14
	M9700X16X25 M9700X20X32	\$	10.74 11.55		10.45 11.24
	1110100102	۳	11.35	Ψ	11.24
4,15,4,3	Male 37° to Male Metric Straight Thread 90° Elbow	 			
	MC5515X4X10	\$	9.81	\$	8.56
	MC5515X4X12	\$	14.65	_	8.28
	MC5515X6X14	\$	15.62	\$	8.29
	MC5515X6X16	\$	19.31	\$	10.34
	MC5515X8X18	\$	17.99		9.31
	MC5515X8X22	\$	17.31	\$	15.11
	MC5515X10X18	\$	23.56		12.78
	MC5515X10X20	\$	38.45	\$	12.67

		5	Superior Industrial Supply		Applied Industrial Technology
	MC5515X10X22	\$	27.58	\$	13.8
	MC5515X12X22	\$	45.85	\$	15.5
		\$	76.38	\$	26.5
	SECTION 4.15.4 TOTAL	\$	593.82	\$	288.0
4.15.5.	BSP Fittings				
445.54	Male British Standard Tapered Pipe to Male SAE 37°				
	MC5205X4X2	\$	4.74	\$	2.0
	MC5205X4X4	\$	3.47	\$	2.00
	MC5205X5X4	\$	2.36	\$	2.0
	MC5205X6X4	\$	2.36	\$	2.00
	MC5205X6X6	\$	5.48	\$	2.5
	MC5205X8X6	\$	4.46	\$	2.8
	MC5205X8X8	\$	6.36	\$	3.6
	MC5205X10X8	\$	6.26	\$	5.4
	MC5205X12X12	\$	8.94	\$	5.11
	MC5002X16X16	\$	14.17	\$	7.94
	MC5205X20X20	\$	18.11	\$	15.80
4.15.5.2.	Male British Standard Parallel Pipe to Male SAE 37°				
	MB5315X4X2	\$	4.67	\$	2.52
	MB5315X4X4	\$	5.91	\$	2.60
	MB5315X5X4	\$	7.82	\$	2.9
	MB5315X6X4	\$		\$	2.8
	MB5351X6X6	\$	6.88	\$	3.04
	MB5351X8X6	\$	7.86	\$	3.82
	MB5351X8X8	\$	9.11	\$	4.7
	MB5351X10X12	\$	10.88	\$	12.70 6.4
	MB5351X12X12 MB5351X16X16	\$	15.87 24.24	\$	10.3
	MV5351X20X20	\$	33.95	\$ \$	19.6
	Female 37° Swivel to Male British Standard Tapered M9800X4X4	\$	6.35	\$	6.17
	M9800X5X4	\$	6.01	\$	5.80
	M9800X6X4 M9800X8X4	\$	5.91 7.74	\$ \$	5.75 7.54
	M9800X8X6			Ф	8.4
			8 68 1	\$	
		\$	8.68 8.64	\$	8.4
	M9800X8X8 M9800X10X8	\$	8.68 8.64 7.75	\$	
	M9800X8X8		8.64	\$	7.5 8.1
	M9800X8X8 M9800X10X8	\$ \$ \$	8.64 7.75	\$ \$ \$	7.5
	M9800X8X8 M9800X10X8 M9800X12X8	\$ \$ \$ \$	8.64 7.75 8.35	\$ \$ \$	7.5 8.1 7.3 9.1
	M9800X8X8 M9800X10X8 M9800X12X8 M9800X12X12 M9800X16X12 M9800X16X16	\$ \$ \$ \$	8.64 7.75 8.35 7.60 9.38 12.06	\$ \$ \$ \$ \$	7.5 8.1 7.3 9.1 11.7
	M9800X8X8 M9800X10X8 M9800X12X8 M9800X12X12 M9800X16X12	\$ \$ \$ \$	8.64 7.75 8.35 7.60 9.38	\$ \$ \$ \$	7.5 8.1
	M9800X8X8 M9800X10X8 M9800X12X8 M9800X12X12 M9800X16X12 M9800X16X16	\$ \$ \$ \$ \$	8.64 7.75 8.35 7.60 9.38 12.06	\$ \$ \$ \$ \$	7.5 8.1 7.3 9.1 11.7
4.15.5.4.	M9800X8X8 M9800X10X8 M9800X12X8 M9800X12X12 M9800X16X12 M9800X16X16 M9800X20X20	\$ \$ \$ \$ \$	8.64 7.75 8.35 7.60 9.38 12.06	\$ \$ \$ \$ \$ \$	7.5 8.1 7.3 9.1 11.7
4.15.5.4.	M9800X8X8 M9800X10X8 M9800X12X8 M9800X12X12 M9800X16X12 M9800X16X16 M9800X20X20 Female 37° Swivel to Male British standard Parallel	\$ \$ \$ \$ \$ \$	8.64 7.75 8.35 7.60 9.38 12.06 12.63	\$ \$ \$ \$ \$ \$	7.5 8.1 7.3 9.1 11.7 12.2
4.15.5.4.	M9800X8X8 M9800X10X8 M9800X12X8 M9800X12X12 M9800X16X12 M9800X16X16 M9800X20X20 Female 37° Swivel to Male British standard Parallel M9600X4X4 M9600X5X4 M9600X6X4	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	8.64 7.75 8.35 7.60 9.38 12.06 12.63 2.45 4.57	\$ \$ \$ \$ \$ \$	7.5 8.1 7.3 9.1 11.7 12.2 2.3 4.4 4.7
4.15.5.4.	M9800X8X8 M9800X10X8 M9800X12X8 M9800X12X12 M9800X16X12 M9800X16X16 M9800X20X20 Female 37° Swivel to Male British standard Parallel M9600X4X4 M9600X5X4 M9600X6X6 M9600X6X6	\$ \$ \$ \$ \$ Pipe \$ \$	8.64 7.75 8.35 7.60 9.38 12.06 12.63 2.45 4.57 4.84 5.27	\$ \$ \$ \$ \$ \$ \$	7.5 8.1 7.3 9.1 11.7 12.2 2.3 4.4 4.7 5.1
4.15.5.4.	M9800X8X8 M9800X10X8 M9800X12X8 M9800X12X12 M9800X16X12 M9800X16X16 M9800X20X20 Female 37° Swivel to Male British standard Parallel M9600X4X4 M9600X5X4 M9600X6X6 M9600X8X6	\$ \$ \$ \$ \$ \$ Pipe \$ \$ \$	8.64 7.75 8.35 7.60 9.38 12.06 12.63 2.45 4.57 4.84 5.27 5.95	\$ \$ \$ \$ \$ \$ \$ \$ \$	7.5 8.1 7.3 9.1 11.7 12.2 2.3 4.4 4.7 5.1
4.15.5.4.	M9800X8X8 M9800X10X8 M9800X12X8 M9800X12X12 M9800X16X12 M9800X16X16 M9800X20X20 Female 37° Swivel to Male British standard Parallel M9600X4X4 M9600X5X4 M9600X6X4 M9600X6X6 M9600X8X6 M9600X8X8	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	8.64 7.75 8.35 7.60 9.38 12.06 12.63 2.45 4.57 4.84 5.27 5.95 6.63	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7.5 8.1 7.3 9.1 11.7 12.2 2.3 4.4 4.7 5.1 5.7 6.4
4.15.5.4.	M9800X8X8 M9800X10X8 M9800X12X8 M9800X12X12 M9800X16X12 M9800X16X16 M9800X20X20 Female 37° Swivel to Male British standard Parallel M9600X4X4 M9600X5X4 M9600X5X4 M9600X6X6 M9600X8X6 M9600X8X6 M9600X8X8 M9600X10X8	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	8.64 7.75 8.35 7.60 9.38 12.06 12.63 2.45 4.57 4.84 5.27 5.95 6.63 7.68	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7.5 8.1 7.3 9.1 11.7 12.2 2.3 4.4 4.7 5.1 5.7 6.4
4.15.5.4.	M9800X8X8 M9800X10X8 M9800X12X8 M9800X12X12 M9800X16X12 M9800X16X16 M9800X20X20 Female 37° Swivel to Male British standard Parallel M9600X4X4 M9600X5X4 M9600X5X4 M9600X6X4 M9600X6X6 M9600X8X6 M9600X8X8 M9600X10X8 M9600X10X8 M9600X10X8 M9600X12X12	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	8.64 7.75 8.35 7.60 9.38 12.06 12.63 2.45 4.57 4.84 5.27 5.95 6.63 7.68	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7.5 8.1 7.3 9.1 11.7 12.2 2.3 4.4 4.7 5.1 5.7 6.4 7.4
4.15.5.4.	M9800X8X8 M9800X10X8 M9800X12X8 M9800X12X12 M9800X16X12 M9800X16X16 M9800X20X20 Female 37° Swivel to Male British standard Parallel M9600X4X4 M9600X5X4 M9600X5X4 M9600X6X4 M9600X6X6 M9600X8X6 M9600X8X8 M9600X8X8 M9600X10X8 M9600X10X8 M9600X12X12 M9600X16X16	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	8.64 7.75 8.35 7.60 9.38 12.06 12.63 2.45 4.57 4.84 5.27 5.95 6.63 7.68 7.87	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7.5 8.1 7.3 9.1 11.7 12.2 2.3 4.4 4.7 5.1 5.7 6.4 7.6
4.15.5.4.	M9800X8X8 M9800X10X8 M9800X12X8 M9800X12X12 M9800X16X12 M9800X16X16 M9800X20X20 Female 37° Swivel to Male British standard Parallel M9600X4X4 M9600X5X4 M9600X5X4 M9600X6X6 M9600X8X6 M9600X8X8 M9600X12X12 M9600X12X12 M9600X16X16 M9600X20X20	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	8.64 7.75 8.35 7.60 9.38 12.06 12.63 2.45 4.57 4.84 5.27 5.95 6.63 7.68 7.87 12.46	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7.5 8.1 7.3 9.1 11.7 12.2 2.3 4.4 4.7 5.1 5.7 6.4 7.4
4.15.5.4.	M9800X8X8 M9800X10X8 M9800X12X8 M9800X12X12 M9800X16X12 M9800X16X16 M9800X20X20 Female 37° Swivel to Male British standard Parallel M9600X4X4 M9600X5X4 M9600X5X4 M9600X6X6 M9600X8X6 M9600X8X8 M9600X8X8 M9600X10X8 M9600X10X8 M9600X12X12 M9600X16X16 M9600X20X20 Male British Standard Tapered Pipe to Male SAE 37	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	8.64 7.75 8.35 7.60 9.38 12.06 12.63 2.45 4.57 4.84 5.27 5.95 6.63 7.68 7.87 12.46 12.57	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7.5 8.1 7.3 9.1 11.7 12.2 2.3 4.4 4.7 5.1 5.7 6.4 7.4 7.6 12.1
4.15.5.4.	M9800X8X8 M9800X10X8 M9800X12X8 M9800X12X12 M9800X16X12 M9800X16X16 M9800X20X20 Female 37° Swivel to Male British standard Parallel M9600X4X4 M9600X5X4 M9600X5X4 M9600X6X6 M9600X8X6 M9600X8X8 M9600X8X8 M9600X10X8 M9600X10X8 M9600X10X8 M9600X12X12 M9600X16X16 M9600X20X20 Male British Standard Tapered Pipe to Male SAE 37 MC5405X4X4	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	8.64 7.75 8.35 7.60 9.38 12.06 12.63 2.45 4.57 4.84 5.27 5.95 6.63 7.68 7.87 12.46 12.57	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7.5 8.1 7.3 9.1 11.7 12.2 2.3 4.4 4.7 5.1 5.7 6.4 7.4 7.6 12.1 12.2
4.15.5.4.	M9800X8X8 M9800X10X8 M9800X12X8 M9800X12X12 M9800X16X12 M9800X16X16 M9800X20X20 Female 37° Swivel to Male British standard Parallel M9600X4X4 M9600X5X4 M9600X5X4 M9600X6X6 M9600X8X6 M9600X8X8 M9600X10X8 M9600X10X8 M9600X12X12 M9600X16X16 M9600X20X20 Male British Standard Tapered Pipe to Male SAE 37 MC5405X5X4	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	8.64 7.75 8.35 7.60 9.38 12.06 12.63 2.45 4.57 4.84 5.27 5.95 6.63 7.68 7.87 12.46 12.57	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7.5 8.1 7.3 9.1 11.7 12.2 2.3 4.4 4.7 5.1 5.7 6.4 7.4 7.6 12.1 12.2
4.15.5.4.	M9800X8X8 M9800X10X8 M9800X12X8 M9800X12X12 M9800X16X12 M9800X16X16 M9800X20X20 Female 37° Swivel to Male British standard Parallel M9600X4X4 M9600X5X4 M9600X6X4 M9600X6X6 M9600X8X8 M9600X8X8 M9600X10X8 M9600X10X8 M9600X12X12 M9600X16X16 M9600X20X20 Male British Standard Tapered Pipe to Male SAE 37 MC5405X5X4 MC5405X5X4	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	8.64 7.75 8.35 7.60 9.38 12.06 12.63 2.45 4.57 4.84 5.27 5.95 6.63 7.68 7.87 12.46 12.57	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7.5 8.1 7.3 9.1 11.7 12.2 2.3 4.4 4.7 5.1 5.7 6.4 7.4 7.6 12.1 12.2
4.15.5.4.	M9800X8X8 M9800X10X8 M9800X12X8 M9800X12X12 M9800X16X12 M9800X16X16 M9800X20X20 Female 37° Swivel to Male British standard Parallel M9600X4X4 M9600X5X4 M9600X5X4 M9600X6X6 M9600X8X8 M9600X8X8 M9600X10X8 M9600X10X8 M9600X12X12 M9600X16X16 M9600X20X20 Male British Standard Tapered Pipe to Male SAE 37 MC5405X5X4 MC5405X6X4 MC5405X6X4 MC5405X6X4 MC5405X8X6	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	8.64 7.75 8.35 7.60 9.38 12.06 12.63 2.45 4.57 4.84 5.27 5.95 6.63 7.68 7.87 12.46 12.57	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7.5 8.1 7.3 9.1 11.7 12.2 2.3 4.4 4.7 5.1 5.7 6.4 7.4 7.6 12.1 12.2 6.9 6.4 6.1 7.1
4.15.5.4.	M9800X8X8 M9800X10X8 M9800X12X8 M9800X12X12 M9800X16X12 M9800X16X16 M9800X20X20 Female 37° Swivel to Male British standard Parallel M9600X4X4 M9600X5X4 M9600X5X4 M9600X6X6 M9600X8X8 M9600X8X8 M9600X10X8 M9600X10X8 M9600X12X12 M9600X16X16 M9600X20X20 Male British Standard Tapered Pipe to Male SAE 37 MC5405X4X4 MC5405X5X4 MC5405X8X6 MC5405X8X8	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	8.64 7.75 8.35 7.60 9.38 12.06 12.63 2.45 4.57 4.84 5.27 5.95 6.63 7.68 7.87 12.46 12.57 90° Elbow 7.90 7.40 7.04 8.21 11.19	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7.5 8.1 7.3 9.1 11.7 12.2 2.3 4.4 4.7 5.1 5.7 6.4 7.4 7.6 12.1 12.2 6.9 6.4 6.1 7.1 9.7
4.15.5.4.	M9800X8X8 M9800X10X8 M9800X12X8 M9800X12X12 M9800X16X12 M9800X16X16 M9800X20X20 Female 37° Swivel to Male British standard Parallel M9600X4X4 M9600X5X4 M9600X5X4 M9600X6X6 M9600X8X8 M9600X8X8 M9600X10X8 M9600X10X8 M9600X12X12 M9600X16X16 M9600X20X20 Male British Standard Tapered Pipe to Male SAE 37 MC5405X5X4 MC5405X6X4 MC5405X6X4 MC5405X6X4 MC5405X8X6	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	8.64 7.75 8.35 7.60 9.38 12.06 12.63 2.45 4.57 4.84 5.27 5.95 6.63 7.68 7.87 12.46 12.57 \$ 90° Elbow 7.90 7.40 7.04 8.21 11.19	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	7.5 8.1 7.3 9.1 11.7 12.2 2.3 4.4 4.7 5.1 5.7 6.4 7.4 7.6 12.1 12.2 6.9 6.4 6.1 7.1

	. •		r Industrial upply	А	pplied Industrial Technology
	Male British Standard Parallel Pipe to Male SAE 37° MB5515X4X4		13.15	\$	6.74
	MB5515X5X4	\$	9.84	 	8.59
	MB5515X6X4	\$	13.58		7.26
	MB5515X6X6	\$	15.67	\$	8.83
	MB5515X8X6	\$	15.92		8.81
	MB5515X8X8	\$	21.22		11.07
	MB5515X10X12	\$	26.10		22.78
	MB5515X12X12	\$	29.75		14.66
	MB5515X16X16	\$	40.96		23.37
	MB5515X20X20	\$	67.47		58.45
4 4E E G	British Potaining Ping				
	British Retaining Ring MB7630X2	\$	0.48	\$	1.58
	MB7630X4	\$	0.58		1.58
	MB7630X6	\$	0.62		2.10
	MB7630X8	\$	0.68		2.47
	MB7630X10	\$	1.94		1.70
	MB7630X12	\$	0.92		2.79
	MB7630X16	\$	1.64	\$	4.03
	MB7630X20	\$	2.90	\$	5.41
	MB7630X24	\$	4.04	\$	6.01
44557	Deltish O Ding				
	British O-Ring MB7629X2	\$	0.32	\$	0.29
	MB7629X4	\$	0.37	\$	0.33
	MB7629X6	\$	0.46		0.42
	MB7629X10	\$	0.60		0.52
	MB7629X12	\$	0.70		0.60
	MB7629X16	\$	0.92		0.81
	MB7629X20	\$	0.88		0.77
	OFOTION 445 5 TOTAL	*	704.40	\$	587.12
	SECTION 4.15.5. TOTAL	\$	761.12	Þ	507,12
4.16.	NPSM PIPE ADAPTERS				
	Female Pipe Swivel to Male Pipe				
	9205X2X2	\$	0.75	\$	0.73
	9205X2X4	\$	1.26	\$	1.22
	9205X4X2	\$			
	9205X4X4		1.22	\$	1.20
		\$	0.95	\$	1.20 0.82
	9205X4X6	\$	0.95 1.29	\$	0.82 1.25
	9205X4X8	\$	0.95 1.29 2.32	\$ \$ \$	0.82 1.25 2.25
	9205X4X8 9205X6X4	\$ \$ \$	0.95 1.29 2.32 1.39	\$ \$ \$	0.82 1.25 2.25 1.36
	9205X4X8 9205X6X4 9205X6X6	\$ \$ \$	0.95 1.29 2.32 1.39 1.33	\$ \$ \$ \$	0.82 1.25 2.25 1.36 1.14
	9205X4X8 9205X6X4 9205X6X6 9205X6X8	\$ \$ \$ \$	0.95 1.29 2.32 1.39 1.33 1.69	\$ \$ \$ \$ \$	0.82 1.25 2.25 1.36 1.14
	9205X4X8 9205X6X4 9205X6X6 9205X6X8 9205X8X6	\$ \$ \$ \$ \$	0.95 1.29 2.32 1.39 1.33 1.69	\$ \$ \$ \$ \$ \$	0.82 1.25 2.25 1.36 1.14 1.64
	9205X4X8 9205X6X4 9205X6X6 9205X6X8 9205X8X6 9205X8X8	\$ \$ \$ \$ \$ \$	0.95 1.29 2.32 1.39 1.33 1.69 1.90	\$ \$ \$ \$ \$ \$	0.82 1.25 2.25 1.36 1.14 1.64 1.85
	9205X4X8 9205X6X4 9205X6X6 9205X6X8 9205X8X6 9205X8X8 9205X8X8	\$ \$ \$ \$ \$ \$ \$ \$	0.95 1.29 2.32 1.39 1.33 1.69 1.90 1.72 2.47	\$ \$ \$ \$ \$ \$ \$	0.82 1.25 2.25 1.36 1.14 1.64 1.85 1.47
	9205X4X8 9205X6X4 9205X6X6 9205X6X8 9205X8X6 9205X8X8 9205X8X12 9205X12X8	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	0.95 1.29 2.32 1.39 1.33 1.69 1.90 1.72 2.47 2.97	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	0.82 1.25 2.25 1.36 1.14 1.64 1.85 1.47 2.44
	9205X4X8 9205X6X4 9205X6X6 9205X6X8 9205X8X6 9205X8X8 9205X8X12 9205X12X8 9205X12X12	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	0.95 1.29 2.32 1.39 1.33 1.69 1.90 1.72 2.47 2.97	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	0.82 1.25 2.25 1.36 1.14 1.64 1.85 1.47 2.44 2.85
	9205X4X8 9205X6X4 9205X6X6 9205X6X8 9205X8X6 9205X8X8 9205X8X12 9205X12X8 9205X12X12 9205X12X16	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	0.95 1.29 2.32 1.39 1.33 1.69 1.90 1.72 2.47 2.97 2.50 4.63	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	0.82 1.28 2.28 1.36 1.14 1.64 1.85 1.47 2.44 2.89 2.14
	9205X4X8 9205X6X4 9205X6X6 9205X6X8 9205X8X6 9205X8X8 9205X8X12 9205X12X8 9205X12X12 9205X12X12 9205X12X12	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	0.95 1.29 2.32 1.39 1.33 1.69 1.90 1.72 2.47 2.97 2.50 4.63 4.27	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	0.82 1.24 2.22 1.36 1.14 1.64 1.83 1.47 2.44 2.83 2.14 4.5
	9205X4X8 9205X6X4 9205X6X6 9205X6X8 9205X8X6 9205X8X2 9205X8X12 9205X12X8 9205X12X12 9205X12X12 9205X12X12 9205X12X16 9205X16X16	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	0.95 1.29 2.32 1.39 1.33 1.69 1.90 1.72 2.47 2.97 2.50 4.63 4.27 4.21	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	0.82 1.24 2.22 1.36 1.14 1.64 1.83 1.47 2.44 2.89 2.14 4.57
	9205X4X8 9205X6X4 9205X6X6 9205X6X8 9205X8X6 9205X8X8 9205X8X12 9205X12X8 9205X12X12 9205X12X12 9205X12X16 9205X16X16 9205X20X16	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	0.95 1.29 2.32 1.39 1.33 1.69 1.90 1.72 2.47 2.97 2.50 4.63 4.27 4.21 7.52	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	0.83 1.24 2.23 1.30 1.14 1.64 1.83 1.47 2.44 2.88 2.14 4.55 4.11 3.66 7.33
	9205X4X8 9205X6X4 9205X6X6 9205X6X8 9205X8X6 9205X8X8 9205X8X12 9205X12X8 9205X12X12 9205X12X12 9205X12X16 9205X16X12 9205X16X16 9205X20X16 9205X20X20	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	0.95 1.29 2.32 1.39 1.33 1.69 1.90 1.72 2.47 2.97 2.50 4.63 4.27 4.21 7.52 6.79	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	0.83 1.24 1.30 1.14 1.64 1.83 1.44 2.44 2.83 2.14 4.55 4.11 3.66 7.33
	9205X4X8 9205X6X4 9205X6X6 9205X6X8 9205X8X6 9205X8X8 9205X8X12 9205X12X8 9205X12X12 9205X12X12 9205X12X16 9205X16X16 9205X20X16	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	0.95 1.29 2.32 1.39 1.33 1.69 1.90 1.72 2.47 2.97 2.50 4.63 4.27 4.21 7.52	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	0.83 1.24 2.23 1.30 1.14 1.64 1.83 1.47 2.44 2.88 2.14 4.55 4.11 3.66 7.33
	9205X4X8 9205X6X4 9205X6X6 9205X6X8 9205X8X6 9205X8X8 9205X8X12 9205X12X8 9205X12X12 9205X12X16 9205X16X16 9205X20X16 9205X20X16 9205X20X20 9205X20X24	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	0.95 1.29 2.32 1.39 1.33 1.69 1.90 1.72 2.47 2.97 2.50 4.63 4.27 4.21 7.52 6.79 15.94	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	0.8: 1.2: 2.2: 1.3: 1.1: 1.6: 1.8: 1.4: 2.4: 2.8: 2.1: 4.5: 4.1: 3.6: 7.3: 6.6: 15.5:
	9205X4X8 9205X6X4 9205X6X6 9205X6X8 9205X8X6 9205X8X8 9205X8X12 9205X12X8 9205X12X12 9205X12X16 9205X16X16 9205X20X16 9205X20X16 9205X20X20 9205X20X24 9205X24X20	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	0.95 1.29 2.32 1.39 1.33 1.69 1.90 1.72 2.47 2.97 2.50 4.63 4.27 4.21 7.52 6.79 15.94	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	0.8: 1.2: 2.2: 1.3: 1.1: 1.6: 1.8: 1.4: 2.4: 2.8: 2.1: 4.5: 4.1: 3.6: 7.3: 6.6: 15.5: 10.0:
	9205X4X8 9205X6X4 9205X6X6 9205X6X8 9205X8X6 9205X8X8 9205X8X12 9205X12X8 9205X12X12 9205X12X12 9205X12X16 9205X16X12 9205X16X16 9205X20X16 9205X20X16 9205X20X20 9205X20X24 9205X20X24 9205X24X24 9205X32X32	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	0.95 1.29 2.32 1.39 1.33 1.69 1.90 1.72 2.47 2.97 2.50 4.63 4.27 4.21 7.52 6.79 15.94 15.96 10.28	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	0.8: 1.2: 2.2: 1.3: 1.1: 1.6: 1.8: 1.4: 2.4: 2.8: 2.1: 4.5: 4.1: 3.6: 7.3: 6.6: 15.5: 10.0:
4.16.2.	9205X4X8 9205X6X4 9205X6X6 9205X6X8 9205X8X6 9205X8X8 9205X8X12 9205X12X8 9205X12X12 9205X12X12 9205X16 9205X16X16 9205X20X16 9205X20X16 9205X20X24 9205X20X24 9205X24X20 9205X24X24 9205X24X24 9205X32X32 Female 37° SAE Swivel to Male Pipe Adapter	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	0.95 1.29 2.32 1.39 1.33 1.69 1.90 1.72 2.47 2.97 2.50 4.63 4.27 4.21 7.52 6.79 15.94 15.96 10.28 20.25	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	0.8i 1.2i 2.2i 1.3i 1.1i 1.6i 1.8i 1.4i 2.4i 2.8i 2.1i 4.5i 4.1i 3.6i 7.3i 6.6i 15.5i 10.0i 19.7i
4.16.2.	9205X4X8 9205X6X4 9205X6X6 9205X6X8 9205X8X6 9205X8X8 9205X8X12 9205X12X8 9205X12X12 9205X12X12 9205X16 9205X16 9205X16X16 9205X20X16 9205X20X16 9205X20X24 9205X20X24 9205X24X20 9205X24X24 9205X24X24 9205X32X32 Female 37° SAE Swivel to Male Pipe Adapter	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	0.95 1.29 2.32 1.39 1.33 1.69 1.90 1.72 2.47 2.97 2.50 4.63 4.27 4.21 7.52 6.79 15.94 15.96 10.28 20.25	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	0.8: 1.2: 2.2: 1.3: 1.1: 1.6: 1.8: 1.4: 2.4: 2.8: 2.1: 4.5: 4.1: 3.6: 7.3: 6.6: 15.5: 10.00 19.7:
4.16.2.	9205X4X8 9205X6X4 9205X6X6 9205X6X8 9205X8X6 9205X8X8 9205X8X12 9205X12X12 9205X12X12 9205X12X16 9205X16 9205X16X16 9205X20X16 9205X20X16 9205X20X20 9205X20X20 9205X20X24 9205X20X24 9205X24X20 9205X24X24 9205X32X32 Female 37° SAE Swivel to Male Pipe Adapter 9100X4X4 9100X5X4	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	0.95 1.29 2.32 1.39 1.33 1.69 1.90 1.72 2.47 2.97 2.50 4.63 4.27 4.21 7.52 6.79 15.94 15.96 10.28 20.25	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	0.8: 1.2: 2.2: 1.3i 1.1: 1.6: 1.8: 1.4: 2.4: 2.8: 2.1: 4.5: 4.1: 3.6: 7.3: 6.6: 15.5: 10.00 19.7: 2.1: 2.4:
4.16.2.	9205X4X8 9205X6X4 9205X6X6 9205X6X8 9205X8X6 9205X8X8 9205X8X12 9205X12X12 9205X12X12 9205X12X16 9205X16 9205X16X16 9205X20X16 9205X20X16 9205X20X20 9205X20X24 9205X20X24 9205X24X24 9205X24X24 9205X32X32 Female 37° SAE Swivel to Male Pipe Adapter 9100X4X4 9100X5X4	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	0.95 1.29 2.32 1.39 1.33 1.69 1.90 1.72 2.47 2.97 2.50 4.63 4.27 4.21 7.52 6.79 15.94 15.96 10.28 20.25	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	0.8: 1.2: 2.2: 1.3i 1.1i 1.6i 1.8: 1.4i 2.4i 2.8: 2.1i 4.5i 4.1i 3.6i 7.3; 6.6i 15.5; 10.00 19.7: 2.1i 2.4i 2.4i
4.16.2.	9205X4X8 9205X6X4 9205X6X6 9205X6X8 9205X8X6 9205X8X8 9205X8X12 9205X12X12 9205X12X12 9205X12X16 9205X16 9205X16X16 9205X20X16 9205X20X16 9205X20X20 9205X20X20 9205X20X24 9205X20X24 9205X24X20 9205X24X24 9205X32X32 Female 37° SAE Swivel to Male Pipe Adapter 9100X4X4 9100X5X4	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	0.95 1.29 2.32 1.39 1.33 1.69 1.90 1.72 2.47 2.97 2.50 4.63 4.27 4.21 7.52 6.79 15.94 15.96 10.28 20.25	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	0.83 1.24 1.30 1.14 1.66 1.83 1.47 2.44 2.89 2.14 4.57 4.11 3.66 15.57 15.55

			Superior Industrial Supply	Applied Industrial Technology
	9100X10X6	\$	3.58	
	9100X10X8	\$	3.58	
	9100X12X8	\$	4.69	
	9100X12X12	\$	4.85	
	9100X16X12	\$	6.30	
	9100X16X16	\$	6.07	
	9100X20X20	12	10.89	\$ 10.00
4 40 2	Male Straight Thread to Female Pipe Swivel	\dashv		
4.10.3	9315X4X4	\$	1.21	\$ 1.18
	9315X4X6	\$	1.81	
	9315X5X4	\$	1,95	
	9315X6X4	\$	1.42	
	9315X6X6	\$	1.44	
	9315X6X8	\$	2.17	\$ 2.11
	9315X8X4	\$	1.72	\$ 1.68
	9315X8X6	\$	1.42	
	9315X8X8	\$	1.57	\$ 1.54
	9315X8X12	\$	2.98	
	9315X10X6	\$	2.07	\$ 2.02
	9315X10X8	\$	1.84	
	9155X10X12	\$	2.62	
	9315X12X8	\$	2.65	
	9315X12X12	\$	2.94	
	9315X14X12	\$	6.74	· ·
	9315X16X12	\$	5.50	\$ 5.36
	9315X16X16	\$	4.95	\$ 4.82 \$ 9.92
	9315X20X16 9315X20X20	\$	10.20 11.77	
	9315X24X24	\$	24.15	
	9315X32X32	\$	68.38	\$ 66.56
	19010702702	+*-	00.00	Ψ 00.00
4 16 4	Female Pipe Swivel to Male Pipe 45° Elbow			
4,10,4,	9355X2X2	\$	1.66	\$ 1.62
	9355X4X2	\$	2.83	
	9355X4X4	\$	1.94	\$ 1.88
	9355X4X6	\$	2.81	
	9355X4X8	\$	5.52	\$ 5.37
	9355X6X4	\$	3.13	\$ 3.05
	9355X6X6	\$	2.37	\$ 2.30
	9355X6X8	\$	3.54	
	9355X8X6	\$	3.85	
	9355X8X8	\$	3.08	
	9355X8X12	\$	5.15	
	9355X12X8	\$	9.23	
	9355X12X12	\$	4.57	
	9355X16X12	\$	10.18	
	9355X16X16	\$	7.13	
	9355X16X20	\$	12.52	
	9355X20X20	\$	13.11	\$ 12.77
	9355X24X24 9355X32X32	\$	18.90 62.30	\$ 18.40 \$ 60.63
	9333/32/32	+*-	02.30	\$ 00.00
A 16 F	Male Straight Thread to Female Pipe Swivel 45° E	lhow.		
4.10.0.	9365X4X4	\$	3.76	\$ 3.66
	9365X4X6	\$		
	9365X6X6	\$	3.90	
	9365X6X8	\$	5.47	
	9365X8X6	\$	4.83	
	9365X8X8	\$	4.33	
	9365X10X8	\$	4.66	
	9365X12X12	\$	6.87	
	9365X16X16	\$	12.78	
	9365X20X20	\$	37.97	\$ 36.95
	9365X24X24	\$	51.91	\$ 50.52
4.16.6.	Female Pipe Swivel to Male Pipe 90° Elbow			
	9405X2X2	\$	1.54	\$ 1.51

, *	.*		Superior Industrial Supply	Applied Industrial Technology
	9405X2X4	\$	1.95	\$ 1.89
	9405X4X2	\$	1.96	\$ 1.90
	9405X4X4	\$	1.63	\$ 1.39
	9405X4X6	\$	2.13	\$ 2.08
L	9405X4X8	\$	3.20	\$ 3.11
	9405X6X4	\$	2.40	\$ 2.33
	9405X6X6	\$	2.17	1.85
	9405X6X8	\$	2.86	\$ 2.79
	9405X6X12	\$	5.13	5.00
	9405X8X6	\$	3.12	\$ 3.04
ļ	9405X8X8 9405X8X12	\$	2.92 4.83	\$ 2.50 4.70
	9405X8X16	\$	9.05	\$ 8.82
	9405X12X12	\$	4.84	\$ 4.13
	9405X12X16	\$	7.73	\$ 7.53
 	9405X16X12	\$	8.28	\$ 8.06
	9405X16X16	\$	7.93	\$ 6.77
	9405X16X20	\$	14.45	14.07
	9405X20X16	\$	16.20	\$ 15.77
	9405X20X20	\$	13.85	 13.49
	9405X20X24	\$	23.63	\$ 23.00
	9405X24X24	\$	19.53	\$ 19.00
	9405X32X32	\$	61.71	\$ 60.06
4.16.7.	Male Straight Thread to Female Pipe Swivel 90° Elb	ow		
	9515X4X4	\$	2.57	\$ 2.50
	9515X4X6	\$	2.76	2.68
	9515X6X4	\$	2.85	2.77
	9515X6X6	\$	2.79	\$ 2.71
	9515X6X8	\$	4.31	\$ 4.19
	9515X8X6	\$	4.21	\$ 4.10
	9515X8X8	\$	3.77	\$ 3.67
	9515X8X12 9515X10X6	\$	5.81 3.73	\$ 5.65 3.62
	9515X10X6	\$	4.04	\$ 3.93
	9515X10X12	\$	6.22	\$ 6.05
	9515X12X8	\$	6.16	\$ 6.00
	9515X12X12	\$	6.01	\$ 5.85
	9515X14X12	\$	13.07	\$ 12.73
	9515X16X12	\$	10.93	10.63
	9515X16X16	\$	9.04	\$ 8.80
	9515X20X12	\$	24.14	\$ 23.50
	9515X20X20	\$	22.32	21.73
	9515X24X24	\$	42.98	41.83
	9515X32X32	\$	131.11	\$ 127.60
	SECTION 4.16. TOTAL	\$	1,177.21	\$ 1,142.19
	SPLIT FLANGE ADAPTERS AND KITS			
4.17.1.	Adapter Used with Standard Female Swivel End (SAE Code 61)			
4.17.1.1.				
	50008	\$	9.70	\$ 9.44
	50008X12	\$	12.07	11.74
-	50012	\$	5.77	 5.61
	50016	\$	6.68	 6.49
	50016X20	\$	8.92	 8.67
	50020	\$	8.71	8.48
	50024	\$	11.51	 11.20
	50032	\$	33.26	32.37
	45° Elbow			
	54508	\$	11.16	 10.86
	54508X12	\$	14.11	13.74
	54512	\$	7.27	7.08
	54516	\$	8.61	8.39
	54516X20	\$	11.99	 11.67
	54520X16	\$	12.28	\$ 11.95

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\$4,17,13, 90° Elbow			s	uperior Industrial		Applied Industrial
S4524 \$ 16.73 \$ 18.2		54520	•			
\$4,17.13 \$90 \$10,000 \$ \$ \$1.35 \$ \$ \$1.45 \$ \$ \$1.35 \$ \$ \$1.45 \$ \$ \$1.35 \$ \$ \$1.45 \$ \$ \$1.35 \$ \$1.45 \$ \$1.35 \$ \$1.45 \$ \$1.35 \$ \$1.45 \$ \$1.35 \$ \$1.45 \$ \$1.35 \$1.45 \$ \$1.35						18.23
4,17,13, 90° Elbow 4,17,13, 90° Elbow 59008 \$ 11,33				· · · · · · · · · · · · · · · · · · ·		36.04
Second						
Septiment Sept	4.17.1.3		ļ			
S9012 \$ 7.79 \$ 7.55					_	11.05
Septimization Septimizatio					_	13.90
S016X20					····	
S020X16		1				11.80
S0020		1				12.86
\$ 44.76 \$ 43.5 4.17.14. Split Flange Kits — SAE standard pressure series SFK-08 \$ 4.26 \$ 4.1 SKF-12 \$ 3.397 \$ 3.8 SFK-16 \$ 4.73 \$ 4.6 SFK-20 \$ 6.04 \$ 5.8 SFK-20 \$ 6.04 \$ 5.8 SFK-21 \$ 8.12 \$ 7.9 SFK-32 \$ 9.24 \$ 8.9 SECTION 4.17.1. TOTAL \$ 414.70 \$ 403.6 4.17.2. Adapter Used with Standard Female Swivel End (SAE Code 62) 4.17.2.1. Straight \$ 16.0008 \$ 15.62 \$ 12.53 \$ 12.2 6.0012 \$ 12.53 \$ 12.2 6.0016 \$ 20.25 \$ 25.5 6.0020 \$ 3.13.4 \$ 30.5 6.0020 \$ 3.13.4 \$ 30.5 6.0020 \$ 5.31.3 4.17.2.2. 45° ELBOW 4.17.2.2. 45° ELBOW 6.4512 \$ 20.44 \$ 19.9 6.4516 \$ 20.95 \$ 20.4 6.4520 \$ 41.38 \$ 40.2 6.4520 \$ 41.38 \$ 40.2 6.4524 \$ 5.494 \$ 5.34 6.4522 \$ 126.15 \$ 122.7 4.17.2.3. 90° Elbow 6.9002 \$ 3.741 \$ 3.40 6.9002 \$ 5.75.9 \$ 6.00 6.900		59020				14.06
### ### ##############################						18.36
SFK-08		59032	\$	44.76	\$	43.57
SFK-08	4.17.1.4.	Split Flange Kits – SAE standard pressure series				
SFK-16			\$	4.26	\$	4.15
SFK-20			\$	3.97	\$	3.87
SFK-24					_	4.60
SFK-32 \$ 9.24 \$ 8.9 SECTION 4.17.1. TOTAL \$ 414.70 \$ 403.6 4.17.2. Adapter Used with Standard Female Swivel End (SAE Code 62) 4.17.2.1 Straight 60008 \$ 15.62 \$ 15.2 60012 \$ 12.33 \$ 12.2 60016 \$ 26.25 \$ 26.55 60020 \$ 313.34 \$ 30.5 60024 \$ 54.57 \$ 53.1 60032 \$ 59.13 \$ 67.5 4.17.2.2 45° ELBOW 64508 \$ 16.87 \$ 16.4 64512 \$ 20.44 \$ 119.9 64516 \$ 29.05 \$ 28.6 64520 \$ 41.38 \$ 40.2 64520 \$ \$ 41.38 \$ 40.2 64524 \$ 54.94 \$ 53.4 64532 \$ 126.15 \$ 122.7 4.17.2.3 90° Elbow 69012 \$ 18.47 \$ 17.9 69016 \$ 25.89 \$ 25.6 69020 \$ 37.41 \$ 36.4 69032 \$ 126.15 \$ 122.7 SECTION 4.17.2. TOTAL \$ 753.78 \$ 733.6 4.18. COLLET KITS 4.18. COLLET KITS 4.19. Jeroev Collet Kit 4.19. 1. Encapsulated Cartridge 4.19. Jeroev Collet Kit 4.10. Jeroev C			_			5.89
SECTION 4.17.1. TOTAL \$ 414.70 \$ 403.6		L			•	7.90
4.17.2 Adapter Used with Standard Female Swivel End (SAE Code 62) 4.17.2.1, Straight		SFK-32	\$	9.24	\$	8.99
4.17.2.1 (SAE Code 62) 4.17.2.1 (Straight		SECTION 4.17.1. TOTAL	\$	414.70	\$	403.63
SAE Code 62	4 47 9	Adapter Used with Standard Female Swivel End			·	
60008		(SAE Code 62)				
60012 \$ 12.53 \$ 12.2 60016 \$ 26.25 \$ 25.5 60020 \$ 31.34 \$ 30.5 60024 \$ 54.57 \$ 53.1 60032 \$ 59.13 \$ 57.5 4.17.2.2 45° ELBOW 64508 \$ 16.87 \$ 16.4 64512 \$ 20.44 \$ 19.9 64516 \$ 29.05 \$ 28.2 64520 \$ 41.33 \$ 40.2 64532 \$ 126.15 \$ 122.7 4.17.2.3 90° Elbow 69008 69012 \$ 18.47 \$ 17.9 69016 \$ 25.89 \$ 25.2 69020 \$ 37.41 \$ 36.4 69032 \$ 16.5 \$ 12.2.7 4.18.1 U Series Collet Kit T-400-104 \$ 232.00 SECTION 4.17.2 TOTAL \$ 753.78 \$ 733.6 4.18.2 338 'P Series Collet Kit T-400-104 \$ 232.00 SECTION 4.18. TOTAL \$ 881.63 \$ 954.76 4.19. BRASS FITTINGS 4.19.1, Quick Connect Air Brake 4.19.1, Quick Connect Air Brake 4.19.1,1, Encapsulated Cartridge 1861x3 \$ 1.37 \$ 1.38 1861x4 \$ 1.66 \$ 1.55			•	15.62	<u>¢</u>	15.20
60016 \$ 26.25 \$ 25.5 60020 \$ 31.34 \$ 30.5 60024 \$ 54.57 \$ 53.1 60032 \$ 54.57 \$ 53.1 60032 \$ 55.59 \$ 59.13 \$ 57.5 \$ 53.1 60032 \$ 55.91 \$ 57.5 \$ 53.1 \$ 60032 \$ 55.91 \$ 57.5 \$ 53.1 \$ 60032 \$ 55.91 \$ 57.5 \$ 57.5 \$ 53.1 \$ 64.17.2.2 4.17.2.2 4.5° ELBOW	***********		***************************************		_	
60020 \$ 31.34 \$ 30.5				·····		25.55
\$ 59.13 \$ 57.5 4.17.2.2 45° ELBOW 64508 \$ 16.87 \$ 16.4 64512 \$ 20.44 \$ 19.9 64516 \$ 29.05 \$ 28.2 64520 \$ 41.38 \$ 40.2 64524 \$ 54.94 \$ 53.4 64532 \$ 126.15 \$ 122.7 4.17.2.3 90° Elbow 69008 69012 \$ 18.47 \$ 17.9 69016 \$ 25.89 \$ 25.2 69020 \$ 37.41 \$ 36.4 69032 \$ 126.15 \$ 122.7 SECTION 4.17.2. TOTAL \$ 753.78 \$ 733.6 4.18. COLLET KITS 4.18.1. U' Series Collet Kit T-400-67 \$ 649.63 \$ 703.5 4.18.2 338 'P' Series Collet Kit T-400-104 \$ 232.00 SECTION 4.18. TOTAL \$ 881.63 \$ 954.74 4.19. BRASS FITTINGS 4.19.1 Quick Connect Air Brake 4.19.1.1 Encapsulated Cartridge 1861x.2 \$ 1.35 1.36 1.37 \$ 1.35 1.36 1.36 1.37 \$ 1.35 1.37 \$ 1.35 1.36 1.37 \$ 1.35 1.36 1.37 \$ 1.35 1.37 \$ 1.35 1.36 1.37 \$ 1.35 1.36 1.37 \$ 1.35 1.37 \$ 1.35				31.34	\$	30.50
4.17.2.2 45° ELBOW 64508 \$ 16.87 \$ 16.4 64512 \$ 20.44 \$ 19.9 64516 \$ 29.05 \$ 28.2 64520 \$ 41.38 \$ 40.2 64532 \$ 126.15 \$ 122.7 4.17.2.3 90° Elbow 69008 69012 \$ 18.47 \$ 17.9 69016 \$ 25.89 \$ 25.2 69020 \$ 37.41 \$ 36.4 69024 \$ 57.59 \$ 56.0 69032 \$ 126.15 \$ 122.7 SECTION 4.17.2. TOTAL \$ 753.78 \$ 733.6 4.18. COLLET KITS 4.18.1. U' Series Collet Kit T-400-67 \$ 649.63 \$ 703.5 4.18.2 338 'P' Series Collet Kit T-400-104 \$ 232.00 SECTION 4.18. TOTAL \$ 881.63 \$ 954.76 4.19. BRASS FITTINGS 4.19. Incapsulated Cartridge 4.19.1.1 Encapsulated Cartridge 1861x2.5 \$ 1.18 \$ 1.11 1861x3 \$ 1.37 \$ 1.36 1.60 \$ 1.55						53.11
64508		60032	\$	59.13	\$	57.56
64508	4 47 0 0	450 EL DOW				
64512 \$ 20.44 \$ 19.9 64516 \$ 29.05 \$ 28.2 64520 \$ 41.38 \$ 40.2 64524 \$ 54.94 \$ 53.4 64532 \$ 126.15 \$ 122.7 4.17.2.3 90° Elbow 69008 69012 \$ 18.47 \$ 17.9 69016 \$ 25.89 \$ 25.2 69020 \$ 37.41 \$ 36.4 69032 \$ 126.15 \$ 122.7 SECTION 4.17.2. TOTAL \$ 753.78 \$ 733.6 4.18. COLLET KITS 4.18.1. U' Series Collet Kit T-400-67 \$ 649.63 \$ 703.5 4.18.2 338 'P' Series Collet Kit T-400-104 \$ 232.00 SECTION 4.18. TOTAL \$ 881.63 \$ 954.7 4.19. BRASS FITTINGS 4.19.1. Encapsulated Cartridge 1861x2.5 \$ 1.18 \$ 1.17 1861x3 \$ 1.37 \$ 1.33 1861x3 \$ 1.37 \$ 1.33			¢	16 97	¢	16.42
64516 \$ 29.05 \$ 28.2 64520 \$ 41.38 \$ 40.2 64524 \$ 54.94 \$ 53.4 64532 \$ 126.15 \$ 122.7 4.17.2.3. 90° Elbow 69008 69012 \$ 18.47 \$ 17.9 69016 \$ 25.89 \$ 25.2 69020 \$ 37.41 \$ 36.4 69024 \$ 57.59 \$ 56.0 69032 \$ 126.15 \$ 122.7 SECTION 4.17.2. TOTAL \$ 753.78 \$ 733.6 4.18. COLLET KITS 4.18.1. U' Series Collet Kit T-400-67 \$ 649.63 \$ 703.5 4.18.2 338 'P' Series Collet Kit \$ 251.2 T-400-104 \$ 232.00 SECTION 4.18. TOTAL \$ 881.63 \$ 954.76 4.19.1 Quick Connect Air Brake 4.19.1.1 Encapsulated Cartridge 1861x2.5 \$ 1.18 \$ 1.17 1861x3 \$ 1.37 \$ 1.33 1861x4 \$ 1.60 \$ 1.55						
64520 \$ 41.38 \$ 40.2 64524 \$ 54.94 \$ 53.4 64532 \$ 126.15 \$ 122.7 4.17.2.3. 90° Elbow 69008 69012 \$ 18.47 \$ 17.9 69016 \$ 25.89 \$ 25.2 69020 \$ 37.41 \$ 36.4 69032 \$ 126.15 \$ 122.7 SECTION 4.17.2. TOTAL \$ 753.78 \$ 733.6 4.18. COLLET KITS 4.18.1. U' Series Collet Kit T-400-67 \$ 649.63 \$ 703.5 4.18.2. 338 'P' Series Collet Kit T-400-104 \$ 232.00 SECTION 4.18. TOTAL \$ 881.63 \$ 954.76 4.19. BRASS FITTINGS 4.19.1. Quick Connect Air Brake 4.19.1.1. Encapsulated Cartridge 1861x25 \$ 1.18 \$ 1.17 1861x26 \$ 1.37 \$ 1.33 1861x4 \$ 1.60 \$ 1.56						28.27
\$ 126.15 \$ 122.7 4.17.2.3 90° Elbow 69008 69012 \$ 18.47 \$ 17.9 69016 \$ 25.89 \$ 25.2 69020 \$ 37.41 \$ 36.4 69024 \$ 57.59 \$ 56.0 69032 \$ 126.15 \$ 122.7 SECTION 4.17.2. TOTAL \$ 753.78 \$ 733.6 4.18. COLLET KITS 4.18.1. 'U' Series Collet Kit T-400-67 \$ 649.63 \$ 703.5 4.18.2. 338 'P' Series Collet Kit T-400-104 \$ 232.00 SECTION 4.18. TOTAL \$ 881.63 \$ 954.70 4.19.1. Quick Connect Air Brake 4.19.1.1. Encapsulated Cartridge 1861x2 5 \$ 1.18 \$ 1.17 1861x3 \$ 1.37 \$ 1.30 1861x4 \$ 1.60 \$ 1.55						40.27
4.17.2.3. 90° Elbow 69008 69012 \$ 18.47 \$ 17.9 69016 \$ 25.89 \$ 25.2 69020 \$ 37.41 \$ 36.4 69024 \$ 57.59 \$ 56.0 69032 \$ 126.15 \$ 122.7 SECTION 4.17.2. TOTAL \$ 753.78 \$ 733.6 4.18. COLLET KITS 4.18.1. 'U' Series Collet Kit T-400-67 \$ 649.63 \$ 703.5 4.18.2. 338 'P' Series Collet Kit T-400-104 \$ 232.00 SECTION 4.18. TOTAL \$ 881.63 \$ 954.76 4.19. BRASS FITTINGS 4.19.1. Quick Connect Air Brake 4.19.1.1. Encapsulated Cartridge 1861×2.5 \$ 1.18 \$ 1.17 1861×2.5 \$ 1.37 \$ 1.33 1861×4 \$ 1.60 \$ 1.56			\$	54.94	\$	53.47
69008 69012 \$ 18.47 \$ 17.96 69016 \$ 25.89 \$ 25.26 69020 \$ 37.41 \$ 36.44 69024 \$ 57.59 \$ 56.06 69032 \$ 126.15 \$ 122.77 \$ \$ \$ \$ \$ \$ \$ \$ \$		64532	\$	126.15	\$	122.77
\$ 18.47 \$ 17.99 69016 \$ 25.89 \$ 25.20 69020 \$ 37.41 \$ 36.40 69024 \$ 57.59 \$ 56.00 69032 \$ 126.15 \$ 122.71 SECTION 4.17.2. TOTAL \$ 753.78 \$ 733.60 4.18. COLLET KITS 4.18.1. 'U' Series Collet Kit T-400-67 \$ 649.63 \$ 703.51 4.18.2, 338 'P' Series Collet Kit T-400-104 \$ 232.00 SECTION 4.18. TOTAL \$ 881.63 \$ 954.70 4.19. BRASS FITTINGS 4.19.1. Quick Connect Air Brake 4.19.1.1. Encapsulated Cartridge 1861x2.5 \$ 1.18 \$ 1.17 1861x3 \$ 1.37 \$ 1.30 1861x4 \$ 1.60 \$ 1.56						
69016 \$ 25.89 \$ 25.20 69020 \$ 37.41 \$ 36.44 69024 \$ 57.59 \$ 56.00 69032 \$ 126.15 \$ 122.77 SECTION 4.17.2. TOTAL \$ 753.78 \$ 733.67 4.18. COLLET KITS						
69020 \$ 37.41 \$ 36.44 69024 \$ 57.59 \$ 56.09 69032 \$ 126.15 \$ 122.77					<u> </u>	17.98
69024			-			
SECTION 4.17.2. TOTAL \$ 753.78 \$ 733.62					<u> </u>	
4.18. COLLET KITS 4.18.1. 'U' Series Collet Kit T-400-67 \$ 649.63 \$ 703.5' 4.18.2. 338 'P' Series Collet Kit \$ 251.2! T-400-104 \$ 232.00 SECTION 4.18. TOTAL \$ 881.63 \$ 954.70 4.19. BRASS FITTINGS 4.19.1. Quick Connect Air Brake 4.19.1.1. Encapsulated Cartridge 1861x2.5 \$ 1.18 \$ 1.17 1861x3 \$ 1.37 \$ 1.30 1861x4 \$ 1.60 \$ 1.55						122.77
4.18. COLLET KITS 4.18.1. 'U' Series Collet Kit T-400-67 \$ 649.63 \$ 703.5' 4.18.2. 338 'P' Series Collet Kit \$ 251.2! T-400-104 \$ 232.00 SECTION 4.18. TOTAL \$ 881.63 \$ 954.70 4.19. BRASS FITTINGS 4.19.1. Quick Connect Air Brake 4.19.1.1. Encapsulated Cartridge 1861x2.5 \$ 1.18 \$ 1.17 1861x3 \$ 1.37 \$ 1.30 1861x4 \$ 1.60 \$ 1.55		SECTION 4 47 2 TOTAL	•	752.79	•	722.62
4.18.1. 'U' Series Collet Kit T-400-67 \$ 649.63 \$ 703.5' 4.18.2. 338 'P' Series Collet Kit \$ 251.29 T-400-104 \$ 232.00 SECTION 4.18. TOTAL \$ 881.63 \$ 954.70 4.19. BRASS FITTINGS 4.19.1. Quick Connect Air Brake 4.19.1.1. Encapsulated Cartridge 1861x2.5 \$ 1.18 \$ 1.17 1861x3 \$ 1.37 \$ 1.36 \$ 1.56 1861x4 \$ 1.56 \$ 1.56		SECTION 4.17.2. TOTAL	Ф	753.76	<u>ф</u>	/33.02
T-400-67						
4.18.2. 338 'P' Series Collet Kit \$ 251.29 T-400-104 \$ 232.00 SECTION 4.18. TOTAL \$ 881.63 \$ 954.70 4.19. BRASS FITTINGS 4.19.1. Quick Connect Air Brake 4.19.1.1. Encapsulated Cartridge 1861x2.5 \$ 1.18 \$ 1.17 1861x3 \$ 1.37 \$ 1.36 \$ 1.56 1861x4 \$ 1.56 \$ 1.56						
T-400-104 \$ 232.00 SECTION 4.18. TOTAL \$ 881.63 \$ 954.76 4.19. BRASS FITTINGS 4.19.1. Quick Connect Air Brake 4.19.1.1. Encapsulated Cartridge 1861x2.5 \$ 1.18 \$ 1.17 1861x3 \$ 1.37 \$ 1.36 1861x4 \$ 1.60 \$ 1.55			\$	649.63		703.51
SECTION 4.18. TOTAL \$881.63 \$954.76					\$	251.25
4.19. BRASS FITTINGS 4.19.1. Quick Connect Air Brake 4.19.1.1. Encapsulated Cartridge 1861x2.5 \$ 1.18 \$ 1.17 1.36 1.36 1.37 \$ 1.36 1.36 1.37 \$ 1.36 1.36 1.36 1.36 1.36 1.36 1.36 1.36		1-400-104		232.00		
4.19.1. Quick Connect Air Brake 4.19.1.1. Encapsulated Cartridge 1861x2.5 \$ 1.18 \$ 1.17 1861x3 \$ 1.37 \$ 1.36 1861x4 \$ 1.60 \$ 1.56		SECTION 4.18. TOTAL	\$	881.63	\$	954.76
4.19.1. Quick Connect Air Brake 4.19.1.1. Encapsulated Cartridge 1861x2.5 \$ 1.18 \$ 1.17 1861x3 \$ 1.37 \$ 1.36 1861x4 \$ 1.60 \$ 1.56	4.19.	BRASS FITTINGS				
1861x2.5 \$ 1.18 \$ 1.17 1861x3 \$ 1.37 \$ 1.36 1861x4 \$ 1.60 \$ 1.55	4.19.1.	Quick Connect Air Brake				
1861x3 \$ 1.37 \$ 1.36 1861x4 \$ 1.60 \$ 1.50						
1861x4 \$ 1.60 \$ 1.50						1.17
						1.36
14 14 14 14 14 14 14 14 14 14 14 14 14 1		1861x4 1861x6	\$ \$			1.59 1.77

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***************************************	4004.0		Supply	Technology
	1861x8	\$	2.16 S	
	1861x10	\$		
	1861x12	\$	4.21 \$	\$ 4
4.19.1.2.	Union			
	1862×2.5	\$	2.59	\$ 2
	1862x4	\$	2.56	\$ 2
	1862x6	\$	2.94	\$ 2
	1862x8	\$	3.53	\$ 3
	1862x10	\$	5.93	5 5
4.19.1.3.	Quick Connect Bulkhead Union 1874x4x4	\$	3.52	3
	1874x6x6	\$	4.79 \$	
	1874x8x8	\$	6.47	
	1874x10x10	\$	8.16	
4.19.1.4.	Female Bulkhead Union			
	1873x4x4	\$	4.15	
	1873x6x6	\$	5.82	
	1873x8x8	\$	7.23	5 7
4.19.1.5.	Male Connector			
	1868x2.5x1	\$	1.36	
	1868x2.5	\$	1.37	
	1868x3	\$	1.51 \$	
	1868x4	\$	1.44 \$	
	1868x4x4	\$	1.59 \$	
	1868x4x6 1868x6x2	\$ \$	2.41 \$ 3.92 \$	
	1868x6	\$	2.56	
	1868x6x6	\$	2.79	
	1868x6x8	\$	3.10 \$	
	1868x8x4	\$	3.56	
	1868x8	\$	3.79	
	1868x8x8	\$	4.35	\$ 4
	1868x10x6	\$	3.73	3
	1868x10	\$	3.84	
	1868x12	\$	5.47 \$	5
4.19.1.6.	Female Connector			
	1866x4	\$	2.59	
	1866x4x4	\$	2.74	
	1866x6x2	\$	4.25	
	1866x6	\$	2.74 \$	3
	1866x6x6	\$	2.87	
	1866x8x4	\$	3.42 \$	
	1866x8 1866x8x8	\$	4.11 \$ 4.59 \$	·······
	TOUUXOXO	\$	4.59 3	, 4
4.19.1.7.	Male Elbow 45°			
	1880x4	\$	2.55	
	1880x4x4	\$	4.35	
	1880x6x2	\$	3.79	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
-	1880x6	\$	3.10 \$	
	1880x6x6	\$	3.32 \$	
	THE PART WHEN THE PART OF THE	\$	4.35 \$	
	1880x6x8		4.021.9	5 3
	1880x8x4	\$		2
	1880x8x4 1880x8	\$	4.05 \$	
	1880x8x4 1880x8 1880x8x8	\$ \$	4.05 \$ 4.22 \$	5 4
	1880x8x4 1880x8 1880x8x8 1880x10x6	\$ \$ \$	4.05 \$ 4.22 \$ 5.43 \$	5 4 5 5
	1880x8x4 1880x8 1880x8x8 1880x10x6 1880x10	\$ \$ \$ \$	4.05 \$ 4.22 \$ 5.43 \$ 5.49 \$	6 4 5 5
	1880x8x4 1880x8 1880x8x8 1880x10x6	\$ \$ \$	4.05 \$ 4.22 \$ 5.43 \$ 5.49 \$	6 4 5 5
	1880x8x4 1880x8 1880x8x8 1880x10x6 1880x10 1880x12 Swivel Male Elbow 45°	\$ \$ \$ \$	4.05 \$ 4.22 \$ 5.43 \$ 5.49 \$ 7.74 \$	\$ 4 \$ 5 \$ 5 \$ 7
	1880x8x4 1880x8 1880x8x8 1880x10x6 1880x10 1880x12	\$ \$ \$ \$	4.05 \$ 4.22 \$ 5.43 \$ 5.49 \$	\$ 4 \$ 5 \$ 5 \$ 7

		S	Superior Industrial Supply	Applied Industrial Technology
Maria de Caración	1880x6S	\$	4.37	
	1880x6x6S	\$		\$ 4.4
	1880x8x4S	\$	5.46	
	1880x8S	\$	5.94	\$ 5.8
	1880x8x8S	\$	5.98	\$ 5.9
4.19.1.9.	Union Elbow			
	1865x4	\$	2.97	\$ 2.9
	1865x6	\$		\$ 4.0
	1865x8	\$	5.83	\$ 5.7
4.19.1.10.	Male Elbow 90°			
	1869x2.5x1	\$	1.81	\$ 1.7
	1869x2.5	\$	1.93	
	1869x3	\$	2.14	
	1869x4	\$	2.24	
	1869x4x4	\$		\$ 2.4
	1869x4x6	\$	2.86	
	1869x6x2	\$	2.97	\$ 2.9
	1869x6	\$	2.76	
	1869x6x6	\$	2.87	\$ 2.8
	1869x6x8	\$	3.74	
	1869x8x4	\$		\$ 4.6
	1869x8	\$	4.56	
	1869x8x8	\$	4.69	
	1869x10x6	\$	5.06	
	1869x10	\$	4.97	\$ 4.9
4.19.1.11.	Male Elbow 90° Long			
	1869x6L	\$	3.74	\$ 3.5
4.19.1.12.	Swivel Male 90° Elbow			
	1869x4S	\$	2.82	
	1869x4x4S	\$	2.98	\$ 2.9
	1869x4x6S	\$	3.44	
	1869x6x2S	\$	4.01	\$ 3.9
	1869x6S	\$		
	1869x6x6S	\$	4.25	
	1869x6x8S	\$	4.89	\$ 4.8
	1869x8x4S	\$	5.80	
	1869x8S	\$	5.66	
	1869x8x8S	\$	5.72	
	1869x10x6S	\$	5.85	
	1869x10S	\$	5.89	\$ 5.8
	Female Elbow			
	1870x4	\$	2.29	
	1870x4x4	\$	3.57	
	1870x6x2	\$	5.46	
	1870x6	\$	3.35	
	1870x6x6	\$	4.12	
	1870x8x4	\$	4.48	
	1870x8	\$	4.40	
	1870x8x8	\$	4.68	\$ 4.6
4.19.1.14.	Union Tee			
	1864x4	\$	3.95	
	1864x6	\$	5.26	\$ 5.2
	1864x8	\$	5.62	\$ 5.5
4.19.1.15.	Plugs, Pressure (Nylon)			
	1829x4	\$	0.28	\$ 0.2
,	1829x6	\$	0.34	
	1829x8	\$	0.44	
4.19,1.16.	Collet Service Tool			
	1800T	\$	9.50	\$ 8.1
		L		

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4.19.1.17.	Tube Release Kit		
	1800TRK	\$ 9.65	\$ 8.96
4.19.1.18.	Collet Repair Kits		
	1800KX2.5	\$ 0.85	
	1800KX3 1800KX4	\$ 0.85 \$ 1.12	
	1800KX6	\$ 1.12	\$ 1.14
	1800KX8	\$ 1.20	
	1800KX10	\$ 1.13	\$ 1.52
	1800KX10	\$ 1.61	\$ 1.54
	100010412	1.01	, ind-
	SECTION 4.19.1. TOTAL	\$ 434.93	\$ 428.20
4.19.2.	Air Brake Nylon Tubing		
4.19.2.1.			
	1460x4	\$ 0.08	\$ 0.07
	1460x6	\$ 0.09	\$ 0.08
	1460x8	\$ 0.15	\$ 0.11
	1460x10	\$ 0.27	\$ 0.20
	1460x12	\$ 0.37	\$ 0.35
4.19.2.2.	Nut		
	1461x4	\$ 0.23	\$ 0.15
***	1461x6	\$ 0.35	\$ 0.19
	1461x8	\$ 0.66	\$ 0.34
	1461x10	\$ 0.80	\$ 0.41
	1461x12	\$ 1.23	\$ 0.86
4.19.2.3.	Union		
1110122101	1462x4	\$ 1.93	\$ 1.07
	1462x6	\$ 1.66	\$ 1.24
	1462x8	\$ 2.98	\$ 2.08
	1462x10	\$ 4.91	\$ 2.74
	1462x12	\$ 8.46	\$ 4.72
44004	Male Connector		
4.19.2.4.	1468x4x1	\$ 1.20	\$ 1.15
	1468x4		\$ 0.54
	1468x4x4	\$ 1.20	
	1468x4x6	\$ 1.51	
	1468x6x2	\$ 1.44	
	1468x6	\$ 1.11	
	1468x6x6	\$ 1.60	\$ 0.89
	1468x6x8	\$ 2.66	\$ 1.48
	1468x8x7		
	1468x8	\$ 1.91	\$ 1.06
	1468x8x8		\$ 1.48
	1468x8x12	\$ 4.06	
	1468x10x6		\$ 2.45
	1468x10		\$ 1.61
	1468x10x12	\$ 5.80	
	1468x12 1468x12x12	\$ 5.54 \$ 5.73	\$ 2.83 \$ 3.19
	1400X1ZX1Z	ψ 5./3	ф 3.19
	Female Connector		
	1466x4	\$ 0.95	\$ 0.76
	1466x6x2	¢ 405	.
	1466x6	\$ 1.95	
	1466x6x6	\$ 2.56	
	1466x8 1466x12	\$ 4.52	\$ 4.31
	Bulkhead Union 1474x4	\$ 2.47	\$ 2.18
	1474x4 1474x6	\$ 2.47 \$ 3.32	
		φ 3.32	Ψ 2.02
	1474x8		

		Superior Industrial Supply	Applied Industrial Technology		
4.19.2.7.	45° Male Elbow				
	1480x4	\$ 2.30			
	1480x4x4	\$ 1.72			
	1480x6	\$ 1.99			
	1480x6x6	\$ 2.47	\$ 1.		
	1480x8x4	\$ 3.53			
	1480x8	\$ 3.51	\$ 1.		
	1480x8x8	\$ 4.69	\$ 3.		
	1480x10	\$ 5.96	\$ 3.		
4.19.2.8.	Union Elbow				
	1465x6				
	1465x8				
	1465x10				
	1100/10				
4.19.2.9.	90° Male Elbow				
	1469x4	\$ 1.23	\$ 0.		
	1469x4x4	\$ 1.69			
	1469x4x6	\$ 2.65			
	1469x6x2	\$ 1.68			
	1469x6				
	1469x6x6	\$ 1.80	\$ 1.		
	1469x6x8	\$ 3.01	\$ 1.		
	1469x8x4	\$ 3.48	\$ 1.		
	1469x8	\$ 2.71			
	1469x8x8	\$ 3.49	\$ 1.		
	1469x10x6	\$ 4.33			
	1469x10	\$ 4.42	\$ 2.		
	1469x10x12	\$ 8.56	\$ 6.		
	1469x12x6				
	1469x12	\$ 8.20	\$ 4.		
4.19.2.10.	90° Male Elbow - Long				
	1469x6x2L				
	1469x6L	\$ 2.04	\$ 1.		
	1469x8L	\$ 3.53	\$ 2.		
	1469x8L	\$ 3.53	\$ 2.		
	1469x12L				
	90° Female Elbow				
	1470x4	\$ 1.93	\$ 1.		
	1470x6				
	1470x6x6				
	1470x8				
4.19.2.12.	Insert				
	1484x4	\$ 0.09	\$ 0.		
	1484x6	\$ 0.11			
	1484x8	\$ 0.16			
	1484x10	\$ 0.50			
	1484x12	\$ 0.73			
	1404/12	00	<u> </u>		
1 19 2 13	Gauge Ring				
	1485x4	\$ 0.11	\$ 0.		
	1485x6				
	1485x8	\$ 0.12			
	1485x10	\$ 0.14			
	1485x12	\$ 0.15	\$ 0.		
			*		
	SECTION 4.19.2. TOTAL	\$ 173.13	\$ 108.		
		····			
	Air Brake Copper Tubing				
4.19.3.1.					
	1360x4	\$ 0.06			
	1360x6	\$ 0.08			
	4260-0	\$ 0.13	\$ 0.		
	1360x8 1360x10	\$ 0.22			

. •	*		or Industrial upply		Industrial nology
	1360x12	\$		\$	0.28
4 40 0 0	Ni.4				•
4.19.3.2.	1361x4		0.23	\$	0.17
	1361x6	\$		\$	0.28
	1361x8	\$		\$	0.53
	1361x10	\$		\$	0.72
	1361x10V			·	
	1361x12				
4.19.3.3.	Union				
4. 19.3.3.	1362x4	\$	1.12	\$	0.83
	1362x6	\$		\$	1.1
	1362x8	\$		\$	1.9
	1362x10	\$	4.02	\$	2.80
	1362x12	\$	6.94	\$	5.10
	1362x16				
41934	Male Connector				
	1368x4	\$	0.83	\$	0.50
	1368x4x4	\$		\$	0.6
	1368x6x2	\$	1.26	\$	0.71
	1368x6	\$		\$	0.70
	1368x6x6	\$		\$	0.88
	1368x6x8	\$		\$	1.04
	1368x8x4	\$		\$	1.07
	1368x8	\$		\$	1.10
	1368x8x8	\$		\$	1.36
	1368x10x6	\$		\$	2.09
	1368x10	\$		\$	1.63
	1368x12	\$		\$	3.03
	1368x12x12	\$	4.50	\$	3.34
	Female Connector				
	1366x6x2		4.50		4.44
	1366x6 1366x6x6	\$		\$ \$	1.12
	1366x8	\$ \$		\$	1.79
				<u> </u>	
	45°Male Elbow				4.00
	1380x6	\$	1.93		1.25
	1380x6x6	\$	2.53		1.88
	1380x8 1380x10	\$ \$	3.26		1.84
	1300×10		4.53	\$	
			4.53	\$	
	90°Male Elbow				3.37
	1369x4	\$	1.09	\$	3.37 0.71
	1369x4 1369x4x4	\$	1.09 1.40	\$ \$	0.77 0.77
	1369x4 1369x4x4 1369x6x2	\$ \$ \$	1.09 1.40 1.48	\$ \$ \$	0.7 ² 0.7 ² 0.8 ³
	1369x4 1369x4x4 1369x6x2 1369x6	\$ \$ \$ \$	1.09 1.40 1.48 1.42	\$ \$ \$ \$	0.7 ² 0.72 0.83 0.86
	1369x4 1369x4x4 1369x6x2 1369x6 1369x6x6	\$ \$ \$ \$	1.09 1.40 1.48 1.42 1.58	\$ \$ \$ \$	0.7 ² 0.72 0.83 0.86 1.10
	1369x4 1369x4x4 1369x6x2 1369x6 1369x6x6 1369x6x8	\$ \$ \$ \$ \$	1.09 1.40 1.48 1.42 1.58 2.87	\$ \$ \$ \$ \$	0.7 ² 0.83 0.86 1.10
	1369x4 1369x4x4 1369x6x2 1369x6 1369x6x6 1369x6x8 1369x8x4	\$ \$ \$ \$ \$ \$	1.09 1.40 1.48 1.42 1.58 2.87 2.99	\$ \$ \$ \$ \$ \$	0.7 ⁴ 0.72 0.83 0.86 1.10 1.6 ⁴
	1369x4 1369x4x4 1369x6x2 1369x6 1369x6x6 1369x6x8 1369x8x4 1369x8	\$ \$ \$ \$ \$ \$ \$	1.09 1.40 1.48 1.42 1.58 2.87 2.99 2.31	\$ \$ \$ \$ \$ \$ \$ \$	3.37 0.77 0.72 0.83 0.86 1.10 1.66 1.29
	1369x4 1369x4x4 1369x6x2 1369x6 1369x6x6 1369x6x8 1369x8x4 1369x8 1369x8x8	\$ \$ \$ \$ \$ \$ \$ \$	1.09 1.40 1.48 1.42 1.58 2.87 2.99 2.31 3.09	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	3.37 0.77 0.77 0.83 0.86 1.10 1.67 1.29 1.93
	1369x4 1369x4x4 1369x6x2 1369x6 1369x6x6 1369x6x8 1369x8x4 1369x8	\$ \$ \$ \$ \$ \$ \$	1.09 1.40 1.48 1.42 1.58 2.87 2.99 2.31 3.09 3.54	\$ \$ \$ \$ \$ \$ \$ \$	3.37 0.77 0.83 0.86 1.10 1.66 1.29 1.55 2.66
	1369x4 1369x4x4 1369x6x2 1369x6 1369x6x6 1369x6x8 1369x8x4 1369x8 1369x8x8 1369x8x8 1369x10x6	\$ \$ \$ \$ \$ \$ \$ \$	1.09 1.40 1.48 1.42 1.58 2.87 2.99 2.31 3.09 3.54	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	3.37 0.77 0.83 0.86 1.10 1.66 1.29 1.55 2.66
4.19.3.8.	1369x4 1369x4x4 1369x6x2 1369x6 1369x6x6 1369x6x8 1369x8x4 1369x8 1369x8x8 1369x8x8 1369x10x6 1369x10 90°Male Elbow – Long	\$ \$ \$ \$ \$ \$ \$ \$	1.09 1.40 1.48 1.42 1.58 2.87 2.99 2.31 3.09 3.54	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	3.37 0.77 0.83 0.86 1.10 1.66 1.29 1.55 2.66
4.19.3.8.	1369x4 1369x4x4 1369x6x2 1369x6x6 1369x6x8 1369x8x4 1369x8x8 1369x8x8 1369x8x8 1369x10x6 1369x10 90°Male Elbow – Long 1369x6x2L	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1.09 1.40 1.48 1.42 1.58 2.87 2.99 2.31 3.09 3.54 3.66	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	3.37 0.77 0.83 0.86 1.10 1.67 1.29 1.50 2.63 2.27
4.19.3.8.	1369x4 1369x4x4 1369x6x2 1369x6 1369x6x6 1369x6x8 1369x8x4 1369x8x8 1369x8x8 1369x10x6 1369x10 90°Male Elbow – Long 1369x6x2L 1369x6L	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1.09 1.40 1.48 1.42 1.58 2.87 2.99 2.31 3.09 3.54 3.66	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	3.37 0.77 0.83 0.83 0.84 1.10 1.65 1.29 1.50 2.65 2.26
4.19.3.8.	1369x4 1369x4x4 1369x6x2 1369x6x6 1369x6x8 1369x8x4 1369x8x8 1369x8x8 1369x8x8 1369x10x6 1369x10 90°Male Elbow – Long 1369x6x2L	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1.09 1.40 1.48 1.42 1.58 2.87 2.99 2.31 3.09 3.54 3.66	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	3.37 0.77 0.83 0.83 0.84 1.10 1.65 1.29 1.50 2.65 2.26
4.19.3.8.	1369x4 1369x4x4 1369x6x2 1369x6x6 1369x6x8 1369x8x4 1369x8x8 1369x8x8 1369x10x6 1369x6x2L 1369x6L 1369x8L	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1.09 1.40 1.48 1.42 1.58 2.87 2.99 2.31 3.09 3.54 3.66	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	3.37 0.77 0.83 0.83 0.84 1.10 1.65 1.29 1.50 2.65 2.26
4.19.3.8. 4.19.3.9.	1369x4 1369x4x4 1369x6x2 1369x6 1369x6x6 1369x6x8 1369x8x4 1369x8x 1369x8x8 1369x10x6 1369x6x2L 1369x6L 1369x8L 1369x12L 90° Female Elbow	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1.09 1.40 1.48 1.42 1.58 2.87 2.99 2.31 3.09 3.54 3.66	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	3.37 0.77 0.83 0.83 0.86 1.10 1.67 1.25 1.93 1.56 2.27
4.19.3.8. 4.19.3.9.	1369x4 1369x4x4 1369x6x2 1369x6x6 1369x6x8 1369x8x4 1369x8x8 1369x8x8 1369x10x6 1369x6x2L 1369x6L 1369x8L	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1.09 1.40 1.48 1.42 1.58 2.87 2.99 2.31 3.09 3.54 3.66	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	3.37 0.71 0.72 0.83 0.86 1.10 1.61 1.25 1.93 1.58 2.63 2.21

		Superior Industrial Supply	Applied Industrial Technology
	SECTION 4.19.3. TOTAL	\$ 97.60	\$ 64.52
	TUBING		
	Plastic Tubing NT100 "Nylon" 11		
4.20.1.1.	NT10002	\$ 0.10	\$ 0.10
	NT10025	V 00	· · · · · · · · · · · · · · · · · · ·
	NT10003		
	NT10004	\$ 0.22	\$ 0.2
	NT10005	\$ 0.21	
	NT10006	\$ 0.60	\$ 0.5
	NT10008	\$ 0.82	
	NT10010	\$ 0.93	
	NT10012	\$ 1.22	\$ 1.1
	SECTION 4.20. TOTAL	\$ 4.10	\$ 3.9
4 24	STEEL FITTINGS		
	SAE 37° (JIC) Flare-Twin	<u> </u>	
4.21.1.1.			
	C5129x2	\$ 0.94	\$ 0.8
	C5129x3	\$ 0.94	
	C5129x4	\$ 0.46	\$ 0.3
	C5129x5	\$ 0.56	
	C5129x6	\$ 0.63	
	C5129x8	\$ 0.72	
	C5129x10	\$ 1.08	
	C5129x12	\$ 1.54	
	C5129x16 C5129x20	\$ 2.58 \$ 4.79	
	C5129x24	\$ 9.65	
	C5129x32	\$ 55.48	\$ 48.4
4.21.1.2.			
	C5229x4	\$ 0.45	
	C5229x5 C5229x6	\$ 0.56 \$ 0.59	
	C5229x8	\$ 0.59 \$ 0.80	\$ 0.6
	C5229x10	\$ 1.11	
	C5229x12	\$ 1.57	
	C5229x14	\$ 3.14	
	C5229x16	\$ 2.34	\$ 2.0
	C5229x20	\$ 3.68	\$ 3.2
	C5229x24	\$ 9.98	
	C5229x32	\$ 39.19	\$ 34.2
4.21.2.	Straight Thread O-Ring Adapters		
	Straight Thread O-Ring Hex Socket Plug (Ref.SAE NO. 090109B)		
	7238X2	\$ 0.59	\$ 0.5
	7238X3	\$ 0.57	
	7238X4	\$ 0.51	\$ 0.4
	7238X5	\$ 0.56	
	7238X6	\$ 0.59	
	7238X8	\$ 0.78	
	7238X10	\$ 0.91	\$ 0.8
	7238X12 7238X14	\$ 1.59 \$ 1.99	
	7238X14 7238X16	\$ 1.99 \$ 2.40	\$ 1.7 \$ 2.0
	7238X20	\$ 3.95	\$ 3.4
4 24 2 2	Straight Thread 0-Ring Hex Head Plug (Ref. SAE		
	NO. 090109A)		
	7237X2	\$ 0.69	
	7237X3 7237X4	\$ 0.56 \$ 0.49	
	7237X5	\$ 0.49	
	120170	Ψ 0.00	Ψ 0.0

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e	v [*]		Superior Industrial		Applied Industrial
		L	Supply		Technology
	7237X6	\$	0.56	\$	0.49
	7237X8	\$	0.78	\$	0.69
	7237X10	\$	0.99	\$	0.86
	7237X12	\$	1.84	\$	1.61
1	7 237X14	\$	2.36	\$	2.06
	7 237X16	\$	2.34	\$	2.04
	7237X20	\$	5.13	\$	4.47
	7237X24	\$	6.76	\$	5.90
	7237X32	\$	21.07	\$	18.39
	SECTION 4.21. TOTAL	\$	201.37	\$	174.70
4.22.	CABINETS				
4.22.1.	Stock Cabinet				
	FH-15X	\$	101.99	\$	120.26
	SECTION 4.22. TOTAL	\$	101.99	\$	120.26
4.23.	GRAND TOTAL (TRANSFER TOTALS HERE)				
	SECTION 4.10.		11.06	\$	10.48
	SECTION 4.11.	_	18.88	\$	19.58
	SECTION 4.12.	\$	33.58	\$	34.22
	SECTION 4.13.		15.86	\$	15.79
	SECTION 4.14.1.	\$	49.50	\$	50.85
	SECTION 4.14.2.	\$	3,170.59	\$	3,219.88
	SECTION 4.14.3.	\$	74.22	\$	81.69
	SECTION 4.15.1.	\$	124.05	\$	81.59
	SECTION 4.15.2.	\$	2,365.76	\$	2,027.99
	SECTION 4.15.3.	\$	1,371.75	\$	1,203.18
	SECTION 4.15.4.	\$	593.82	\$	288.01
	SECTION 4.15.5.	\$	761.12	\$	587.12
	SECTION 4.16.		1,177.21	\$	1,142.19
	SECTION 4.17.1.		414.70	\$	403.63
 	SECTION 4.17.2.	\$	753.78	\$	733.62
	SECTION 4.18.	\$	881.63	\$	954.76
	SECTION 4.19.1.	\$	434.93	\$	428.20
	SECTION 4.19.2.	\$	173.13	\$	108.60
	SECTION 4.19.3.	\$	97.60	\$	64.52
	SECTION 4.20.	\$	4.10	\$	3.91
	SECTION 4.21.		201.37	\$	174.70
	SECTION 4.22.	\$	101.99	\$	120.26
	70741	_	40.000.00	•	44 754 77
	TOTAL	\$	12,830.63	\$	11,754.77
		<u> </u>			
10	Cooperative Durchooing	V-	•	Va	
4.8.		Ye		Yes	
4.9.	Delivery Date ARO	Sa	me or following day	∠ d	ays

No Bids

Grainger

Commission Order # 35-2003

**FCEIVED

AN 2 1 2003

FOR HOSES AND FITTINGS

THIS AGREEMENT dated the <u>28</u> day of <u>JANUARY</u> 2003 is made between Boone County, Missouri, a political subdivision of the State of Missouri through the Boone County Commission, herein "County" and Applied Industrial Technology, herein "Contractor."

IN CONSIDERATION of the parties performance of the respective obligations contained herein, the parties agree as follows:

- 1. Contract Documents This agreement shall consist of this Purchase Agreement For Hoses and Fittings, County of Boone Request for Bid for Hoses and Fittings, bid number 75-17DEC02 including Introduction and General Terms and Conditions of Bidding, Primary Specifications, Response Presentation and Review, the un-executed Response Form, Standard Terms and Conditions and all Attachments as well as the Contractor's bid response dated December 17, 2002 and executed by Mike Woolridge on behalf of the Contractor. All such documents shall constitute the contract documents which are attached hereto and incorporated herein by reference. Service or product data, specification and literature submitted with bid response may be permanently maintained in the County Purchasing Office bid file for this bid if not attached. In the event of conflict between any of the foregoing documents, the terms, conditions, provisions and requirements contained in the Introduction and General Terms and Conditions of Bidding, Primary Specifications, Response Presentation and Review, the un-executed Response Form, Standard Terms and Conditions and all Attachments shall prevail and control over the Contractor's bid response.
- 2. **Contract Duration** This agreement shall commence on the date written above and shall expire December 31, 2003 subject to the provisions for termination specified below. This agreement may be extended beyond the expiration date by order of the County for two additional one year periods subject to the pricing clauses in the Contractor's bid response and thereafter on a month to month basis in the event the County is unable to re-bid and/or award a new contract prior to the expiration date after exercising diligent efforts to do so or not; provided, however, that from and after the expiration date of this agreement any annual extensions thereof, Contractor shall have the right to terminate this agreement upon thirty days advance written notice of termination.
- 3. **Purchase/Service** The County agrees to purchase from the Contractor and the Contractor agrees to supply the hoses and fittings as described in the bid specifications and in conformity with the contract documents for the prices set forth in the Contractor's bid response, as needed and as ordered by County.
- 4. **Delivery** Contractor agrees to provide the services as required by the bid specifications and deliver within 2 days for in stock items as needed by the County of Boone.
- 5. *Billing and Payment* All billing shall be invoiced to the Boone County Public Works
 Department at the successful completion of work for unit prices provided in the bid response. No
 additional fees for delivery or extra services or taxes shall be included as additional charges in excess of
 the charges in the Contractor's bid response to the specifications. The County agrees to pay all invoices
 within thirty days of receipt; Contractor agrees to honor any cash or prompt payment discounts offered in
 its bid response if county makes payment as provided therein. In the event of a billing dispute, the County
 reserves the right to withhold payment on the disputed amount; in the event the billing dispute is resolved
 in favor of the Contractor, the County agrees to pay interest at a rate of 9% per annum on disputed
 amounts withheld commencing from the last date that payment was due.

- 6. **Binding Effect** This agreement shall be binding upon the parties hereto and their successors and assigns for so long as this agreement remains in full force and effect.
- 7. **Entire Agreement** This agreement constitutes the entire agreement between the parties and supersedes any prior negotiations, written or verbal, and any other bid or bid specification or contractual agreement. This agreement may only be amended by a signed writing executed with the same formality as this agreement.
- 8. **Termination** This agreement may be terminated by the County upon thirty days advance written notice for any of the following reasons or under any of the following circumstances:
 - a. County may terminate this agreement due to material breach of any term or condition of this agreement, or
 - County may terminate this agreement if in the opinion of the Boone County
 Commission if delivery of products are delayed or products delivered are not
 in conformity with bidding specifications or variances authorized by County, or
 - c. If appropriations are not made available and budgeted for any calendar year.

IN WITNESS WHEREOF the parties through their duly authorized representatives have executed this agreement on the day and year first above written.

APPLIED INDUSTRIAL TECHNOLOGY	BOONE COU	NTY, MISSOURI
title Envice Conter Monagen	Mouth	e, Presiding Commissioner
APPROVED AS TO FORM: County Counselpr	ATTEST: Wandy County Clerk	J. Llon or
AUDITOR CERTIFICATION In accordance with RSMo 50.660, I hereby certify that a exists and is available to satisfy the obligation(s) incurre required if the terms of this contract do not create a me	ed by this contrac	t. (Note: Certification is not
Signature Lyse	/ /2 / / 0 3 Date	2040-60300 Term/Supply Appropriation Account

Boone County Purchasing

Marlene Ridgway Buyer



601 E.Walnut-Room 209 Columbia, MO 65201 (573) 886-4392 Fax (573) 886-4390

Email: mridgway@boonecountymo.org

January 6, 2004

Mike Woolridge Applied Industrial Technologies 3330 Brown Station Road Columbia, MO 65202

RE: 75-17DEC02 – Hoses & Fittings Term and Supply

Dear Mr. Woolridge:

The County of Boone wishes to renew the above referenced contract. Confirming your letter received from your company dated December 1, 2003, you agree to renew the contract under the same terms and conditions as in the original specifications with a 5% increase. This contract renewal date will cover through December 31, 2004.

Should you have any questions, please contact me.

Sincerely,

Cc

Marlene Ridgway Buyer

COPY Greg Edington, Public Works

Clerk's File

Bid File



to:
Debbie Crutch Field Mike Woolninge Fax Number: Date:
12/1/03
Re: Total No of Pages Including Cover:
□ urgent □ for review □ please comment □ please reply □ please recycle
NOTES / COMMENTS:
Debbieg Attached below
is acopy of weatherheads
price increase in Ing - The
products that you buy are
highlishted. The 5% increase
is what we need to kaise our
prices by CAUIF you have any
Quastims.
(hanks
Mike Worlings

FACSIMILE TRANSMITTAL SHEET

Maintenance America

Do you have your 2003 catalog yet?? www.MaintenanceAmerica.com

3330 Brown Station Road Columbia, MO 65202 TEL (573) 474-4288 • FAX (573) 474-3884 To: All Weatherhead Industrial Customers

The purpose of this letter is to provide adequate notification of a price adjustment for 2003. The price schedule adjustment will become effective July 14th, 2003. This price change will be accomplished by revising the distributor "List" prices and will represent an overall price adjustment of approximately 3.5%. Please note that this percent is an average, not an across-the-board increase, and may vary by product category. Some products will increase while others may not change.

All orders in-house by the close of business Friday, July 11th, will be shipped at present prices.

We encourage you to review the soon-to-be-published price schedules. We continue to look for ways to address concerns regarding pricing and feel we have done so in many cases. We understand the need to remain competitively priced and we will continue to pursue this important goal.

Please notify any of your departments/personnel that will be affected by this price adjustment. This year, you will be able to access our price list on-line at http://hydraulics.eaton.com/weatherhead/
http://hydraulics.eaton.com/weatherhead/
The price lists will be posted by May 14 th to reflect this adjustment.

The following is a summary of some key product areas and the price changes affecting them. Note that the values shown here are averages and not necessarily the change for an individual line item in the category.

*	Carbon Steel Adapters 0%	
*	Tube Fittings 0%	
*	Couplings 4%	
*	Brass Products 4%	*
4	Fittings - Coll-O-Crimp	5%
*	Fittings - Field Attachable	3%
*	PTFE & Thermoplastic Hose	0%
*	Wire Braided Hose 5%	1.
*	Spiral Hose 4%	
*	All other hose 3%	
*	Overall 3.5%	

We thank you for your continued support and promotion of the Weatherhead product line in the first half 2003. It is a year in which many changes are being implemented. These initiatives, which involve many Eaton Hydraulics facilities, will improve efficiency, better utilize capacity, eliminate redundancies, and improve service, which will generate positive results. With your assistance, we look forward to a strong finish for 2003. Keeping the communication lines open to spot and act on market changes together will be key to our mutual success.

Should you have any questions, please contact your Area Sales Manager or Customer Service Representative.

Sincerely,

Tom Schneider
Director, Global Sales
Eaton Corporation
585 Club Drive
Aurora, Ohio 44202

MAY 1 5 2003
PRODUCT FILE

Debbie Crutchfield Office Specialist



601 E.Walnut-Room 205 Columbia, MO 65201 (573) 886-4394 Fax (573) 886-4390

Email: dcrutchfield@boonecountymo.org

November 3, 2003

Mike Woolridge Applied Industrial Tech 3330 Brown Station Rd. Columbia, MO 65202

RE: 75-17DEC02 – Hoses & Fittings Term & Supply

Dear Mr. Woolridge:

The County of Boone is interested in renewing the above referenced contract that expires on December 31

Please sign and date below if you agree to renew the contract under the same terms and conditions as set in the original bid for an additional year.

I <u>Mile Work</u> of Applied Industrial Tech agree to renew 75-17DEC02 – Hoses & Fittings Term & Supply for an additional year under the same terms and conditions as set in the original bid. w/A 5 40 Increuse Please sign and date below if you do not wish to renew the contract 75-17DEC02 – Hoses & Fittings Term & Supply for an additional year. of Applied Industrial Tech. Do not wish to renew the above referenced contract. Signature Date I will share these terms with the Recorders office. If they agree to renew, I will send you a confirmed

contract renewal letter. Should you have any questions, please contact me.

Sincerely

in Cutch pay Office Specialist Cc Bid File

Boone County Purchasing

Melinda Bobbitt, CPPB
Director



601 E. Walnut, Room 208 Columbia, MO 65201 Phone: (573) 886-4392 Fax: (573) 886-4390

mbobbitt@boonecountymo.org

October 14, 2004

Mike Woolridge Applied Industrial Tech 3330 Brown Station Road Columbia, MO 65202

RE: Bid #75-17DEC02 - Hoses and Fittings Term & Supply

Dear Mr. Woolridge:

The County of Boone wishes to renew the above referenced contract. Confirming our letter dated October 1, 2004 and your attached letter dated October 6, 2004, you agree to renew the contract under the same terms and conditions as set in the original bid with the 5% price increase during the first term and a price increase of not more than 5% for this renewal period. The contract renewal period is January 1, 2005 through December 31, 2005.

Should you have any questions, please contact me.

Sincerely,

Melinda Bobbitt, CPPB Director of Purchasing

Meliel Bolly

cc Bid File

Greg Edington, Public Works Shawna Victor, Clerk Diana Manlover, Auditor

CERTIFIED COPY OF ORDER

STATE OF MISSOURI

January Session of the November Adjourned

Term. 20 03

County of Boone

In the County Commission of said county, on the

28th

January

20 03

the following, among other proceedings, were had, viz:

Now on this day, the County Commission of the County of Boone does hereby award bid 02-07JAN03 for 2003 Light Duty Pickups to Albert Buick Honda GMC. The County Commission of the County of Boone does hereby approve the disposal through trade-in of Two (2) 1994 Ford Rangers (Fixed Asset Tag # 8685 and 8686). It is further ordered that the Presiding Commissioner be hereby authorized to sign said contract and disposal request forms.

Done this 28th day of January, 2003.

Keith Schnarre

Presiding Commissioner

ATTEST:

Wendy S. Noren

Clerk of the County Commission

Karen M. Miller

District I Commissioner

District II Commissioner

Boone County Purchasing

Marlene Ridgway Buyer



601 E.Walnut, Rm 209 Columbia, MO 65201 (573) 886-4392 Fax (573) 886-4390

36-2003

MEMORANDUM

TO:

Boone County Commission

FROM:

Marlene Ridgway

RE:

02-07JAN03 - 2003 Light Duty Pickups

DATE:

January 17, 2003

The Public Works department and I have reviewed the responses and recommend award to Albert Buick Honda GMC for having the lowest and best meeting our minimum specifications. Albert Buick Honda GMC responded with 2003 GMC Sierra Extended Cab pickups and all add alternates and options.

At the time the specifications were sent out, only 2 vehicles were intended for this purchase. As of the adoption of the 2003 fiscal year budget, another 2 vehicles have been identified from the Planning and Building Inspection Department. These specifications meet the Planning and Inspection Department and have been approved by the Director of that department.

We are recommending awarding 2 vehicles for the Public Works department including trade-ins for \$41,284.96. The amount budgeted for this purchase was \$47,000.00. We are also recommending award for the Planning and Inspection Department 2 vehicles for the purchase price of \$44,084.96. Their budgeted amount was \$49,600.00. Total contract value is \$85,369.92.

We are also requesting approval of disposal through trade in 2 1994 Ford Rangers Fixed Asset Tag #'s 8686 and 8685 The disposal forms are attached.

The bid tabulation is attached.

Bid Tabulation - 02-07JAN03- 2003 Light Duty Pickups

Putnam Chevrolet

	Description	Unit Price	Qty.	Ext. Price	Unit Price	Qty.	Ext. Price	Unit Price	Qty.	Ext. Price	Unit Price	Qty.	Ext. Price
4.7.1	Vehicles per Section 2	\$19,495.00	2	\$38,990.00	\$21,146.00	2	\$42,292.00	\$19,462.00	2	\$38,924.00	\$19,555.48	2	\$39,110.96
	Add Alternates												
	Heavy-duty charging system	\$0.00	2	\$0.00	\$0.00	2	\$0.00	\$0.00	2	\$0.00	\$120.00	2	\$240.00
1 1	Engine oil & Transmission cooling												
	system	\$95.00	2	\$190.00	\$0.00	2	\$0.00	\$0.00	2	\$0.00	\$95.00	2	\$190.00
	Automatic speed control	\$240.00	2	\$480.00	\$298.00	2	\$596.00	\$0.00	2	\$0.00	\$210.00	2	\$420.00
	Power windows and door locks	\$900.00	2	\$1,800.00	\$676.00	2	\$1,352.00	\$0.00	2	\$0.00	\$760.00	2	\$1,520.00
	Interval windshield wipers/washers	\$0.00	2	\$0.00	\$0.00	2	\$0.00	\$0.00	2	\$0.00	\$0.00	2	\$0.00
4.8.6	Large capacity fuel tank, 26 gallons												
	min.	\$0.00	2	\$0.00	\$0.00	2	\$0.00	\$0.00	2	\$0.00	\$0.00	2	\$0.00
	Rear step bumper	\$0.00	2	\$0.00	\$0.00	2	\$0.00	\$0.00	2	\$0.00	\$0.00	2	\$0.00
	Interior lighting convenience group	#0.00		60.00	¢0.00	2	\$0.00	\$2,000.00	2	\$4,000.00	No Resp	2	
	package	\$0.00	2	\$0.00	\$0.00		\$0.00	\$2,000.00		\$4,000.00	No Resp		
4.9	Optional Equipment		T					3	I	1	1	T	
	Cloth seats per sec. 2.4.1	\$460.00	2	\$920.00	\$0.00	2	\$0.00	\$391.00	2	\$782.00	\$250.00	2	\$500.00
	Deep Tinted rear sliding glass	V 400.00	 - -	φο20.00	40.00	 -	40.00		_	4, 02.00		1 1	
7.0.2	window	\$107.00	2	\$214.00	\$107.00	2	\$214.00	\$123.00	2	\$246.00	\$90.00	2	\$180.00
4.9.3	Extra heavy-duty front & rear shock												
	absorb.	\$310.00	2	\$620.00	\$0.00	2	\$0.00	\$342.00	2	\$684.00	\$0.00	2	\$0.00
4.9.4	Keyless entry with remote start	\$310.00	2	\$620.00	\$230.00	2	\$460.00	\$343.00	2	\$686.00	\$252.00	2	\$504.00
4.9.5	Husky Toolbox	\$320.00	2	\$640.00	\$300.00	2	\$600.00	\$486.00	2	\$972.00	\$295.00	2	\$590.00
4.9.6	Westin tube-type steps	\$575.00	2	\$1,150.00	\$181.00	2	\$362.00	\$342.00	2	\$684.00	\$415.00	2	\$830.00
4.10.	TOTAL	\$45	5,624.0	00	\$4	5,876.	00	\$4	16,978	3.00		\$44,084	.96
		•											
4.11.	Trade in Vehicles												
	Vehicle 1 - 1994 Ford Ranger												
4.11.	Pickup, #1911	\$2	,200.0	0	\$2	2,000.0	0.	\$	1,250	.00		\$1,700	.00
4.11.	Vehicle 2 - 1994 Ford Ranger												
	Pickup, #1813		,800.0			2,000.0			1,250			\$1,100	
	GRAND TOTAL	41	,624.0	0	41	,876.0	0	4	4,478	.00		41,284	
	Co-op?					Yes			Yes			Yes	
4.16.	Delivery ARO				3	-15-03	3	90	90-120 days 90 days			90 da	ys

Tom Boland Ford

Broadway Truck Centers

Albert Buick Honda GMC

NO BIDS

Lindsey Chevrolet, Lebanon, MO Beck Motors, Freeburg, MO Rick Ball Ford, Boonville, MO Rick Ball GM Superstore, Boonville, MO

BOONE COUNTY

REQUEST FOR DISPOSAL OF COUNTY PROPERTY

DATE 1/16/03 FIXED ASSET TAG NUMBER 08686
DESCRIPTION
Truck, Pickup Fond Range. See # 1FTCR 1849RUC96511
REQUESTED MEANS OF DISPOSAL: TRADE-TO
OTHER INFORMATION:
Veh 41813 1994 Ford Ranges (old 1913) CONDITION OF ASSET FAIR
REASON FOR DISPOSITION
Pacessive Mileage and Repair Expanditures / Schaduled For Replacement
DEPARTMENT Public Works. SIGNATURE for Essects
AUDITOR
ORIGINAL PURCHASE DATE 6/6/94
ORIGINAL PURCHASE DATE $6/6/94$ ORIGINAL COST $49,888$ 1605 ORIGINAL FUNDING SOURCE $2741-R4B$
COUNTY COMMISSION / COUNTY CLERK
APPROVED DISPOSAL METHOD:
TRANSFER DEPARTMENT NAMENUMBER
LOCATION WITHIN DEPARTMENT
INDIVIDUAL
TRADEAUCTIONSEALED BIDS
OTHER EXPLAIN
COMMISSION ORDER NUMBER 36-2003
DATE APPROVED / 1/28 JAN 2003
SIGNATURE / CULL) MUCH

BOONE COUNTY

REQUEST FOR DISPOSAL OF COUNTY PROPERTY

DATE ///6/03	FIXED ASSET TAG N	UMBER 08685
DESCRIPTION	I Pik Fam Roman	
(2)	uck, Pickup Ford Ronger # IFTCRIOUORUC 963	CAG
REQUESTED MEANS (OF DISPOSAL: TANOS - ZN	
OTHER INFORMATION		
Veh # 1911	1994 Ford Ranger	
CONDITION OF ASSET	FAIR	
REASON FOR DISPOSI	TION	
Encessive milea	go and Regain Expenditures / Se	breslule I for kylaicment
DEPARTMENT Publi	i Worke SIGNATURE	Sam limet
		·
AUDITOR		,ċ
ORIGINAL PURCHASE	DATE 6/6/94	
ORIGINAL COST ORIGINAL FUNDING S	DATE 6/6/94 + 9,888 OURCE 2741-R4B	
COUNTY COMMISSIO	ON / COUNTY CLERK	
APPROVED DISPOSAL	METHOD:	
TRANSFER	DEPARTMENT NAME	NUMBER
	LOCATION WITHIN DEPARTMENT_	
	INDIVIDUAL	
TRADE	AUCTIONSEALED I	BIDS
OTHER EX	PLAIN	
COMMISSION ORDER	NUMBER_36-2003	
DATE APPROVED	128 JAN 2003	
SIGNATURE	# Sucur	

Ø 001

1/16/03	PURCH	ASE REQUISITION		furch ?					
DATE	BOONE COUNTY, MISSOURI								
5476	Albert Buick Honda GMC								
VENDOR NO.	VENDOR NAME	PHON	E #	JANO					
NO.	ADDRESS	CITY	STATE	ZIP ~ 2003					
	This field MUST be completed to demonstrate	UMENTATION e compliance with statutory bidding re 0, and the Purchasing Manual—Section	quirements.						
☐ Emergency I ☐ Written Quo ☐ <\$750 No Bid from a bid, ev	nter # below) (enter # below) Procurement (enter # below) tes (3) attached (<\$750 to \$4,449) ds Required (enter bid # below if you are purchasing ven if this purchase is <\$750) I Services (see Purchasing Policy Section 3-103)	Transaction Not Subject To Bidding Utility Travel Dues Refund Cooperative Agreement Other (Explain):	☐ Training ☐ Pub/Subso ☐ Required (1					
#02-07JAN03	3 illcable Bid / Sole Source / Emergency Number)								

Ship To Department # 2045

Bill To Department # 2045

D	epar	tme	nt		Account		Account Item Description		Account		Qty	Unit Price	Amount
2	0	4	5		9	2	3	0	0	2003 GMC Sierra 1/2 ton 4x4 pickups Including trade-in	2	20,642.48	41284.96
-	-	_						_	-				
						_							
<u> </u>		_			_								
_							_						
							-	-		CLERK'S OFFICE			
					_			_		*DO NOT UNSTAPLE THESE PAGES			
										*THE ONLY ACTION NEEDED IS TO WRITE THE COMM ORDER # ON THE FORM AND RETURN TO AUDITOR'S OFFICE.			

I certify that the goods, services or charges specified above are necessary for the use of this department, are solely for the benefit of the county, and have been procured in accordance with statutory bidding requirements.

6/ 5/11/1-12	
David Minto 1/21/03	Re
Requesting Official	Auditor Approval

1/16/03

PURCHASE REQUISITION BOONE COUNTY, MISSOURI

DATE

5476

Albert Buick Honda GMC

(Enter Applicable Bid / Sole Source / Emergency Number)

VENDOR NO.

PHONE # VENDOR NAME

ADDRESS CITY STATE ZIP

BID DOCUMENTATION This field MUST be completed to demonstrate compliance with statutory bidding requirements. Refer to RSMo 50.660, 50.753-50.790, and the Purchasing Manual—Section 3									
 Bid /RFP (enter # below) Sole Source (enter # below) Emergency Procurement (enter # below) Written Quotes (3) attached (<\$750 to \$4,449) <\$750 No Bids Required (enter bid # below if you are purchasing from a bid, even if this purchase is <\$750) Professional Services (see Purchasing Policy Section 3-103) 	Transaction Not Subject Utility Travel Dues Refund Cooperative Agreem Other (Explain):	RECEIVED							
#02-07JAN03		JAN 2 1 2003							

Ship To Department # 1720

Bill To Department # 1720

Silly 10 Department # 1720					112	U			Dill 10 Department # 1120				
D	Department					Account Item Description		Item Description	Qty	Unit Price	Amount		
1	7	2	0		9	2	4	0	0	2003 GMC Sierra 1/2 ton 4x4 pickups including add alternates and options	2	22,042.5	44084.96 🏏
													-
										CLERK'S OFFICE —			
										*DO NOT UNSTAPLE THESE PAGES *THE ONLY ACTION NEEDED IS TO WRITE THE COMM ORDER # ON THE FORM AND RETURN TO			
										AUDITOR'S OFFICE.			

I certify that the goods, services or charges specified above are necessary for the use of this department, are solely for the benefit of the county, and have been procured in accordance with statutory bidding requirements.

Requesting Official

Auditor Approval

PURCHASE AGREEMENT FOR 2003 LIGHT DUTY PICKUPS

THIS AGREEMENT dated the 28 day of ANUARY 2003 is made between Boone County, Missouri, a political subdivision of the State of Missouri through the Boone County Commission, herein "County" and Albert Buick Honda GMC, herein "Contractor."

IN CONSIDERATION of the parties performance of the respective obligations contained herein, the parties agree as follows:

- 1. *Contract Documents* This agreement shall consist of this Purchase Agreement for a 2003 Light Duty Pickups, County of Boone Request for Bid for 2003 Light Duty Pickups, bid number 07-07JAN03 including Instructions and General Conditions of Bidding, Primary Specifications, Response Presentation and Review, the unexecuted Response Form, as well as the Contractor's bid response dated January 7, 2003 executed by Paul A Einsiedel on behalf of the Contractor. All such documents shall constitute the contract documents which are attached hereto and incorporated herein by reference. Service or product data, specification and literature submitted with bid response may be permanently maintained in the County Purchasing Office bid file for this bid if not attached. In the event of conflict between any of the foregoing documents, the terms, conditions, provisions and requirements contained in the bid specifications including Instructions and General Conditions of Bidding, Primary Specifications, Response Presentation and Review and the unexecuted Response Form and addendum one shall prevail and control over the Contractor's bid response.
- 2. **Purchase** The County agrees to purchase from the Contractor and the Contractor agrees to supply the County with four (4) year 2003 GMC Sierra ½ Ton extended cab, shortbed, fleetside 4x4 Pickup trucks as specified and responded to in the bid specifications as well as the all add alternates and options as requested. Contractor also agrees to accept as trade in two (2) 1994 Ford Rangers. All trade in equipment will be accepted as is, where is for the values proposed in the bid response. Total contract value is \$85,369.92.
- 3. **Delivery** Contractor agrees to deliver the vehicle stated above to the Boone County Public Works Department within ninety (90) days after order.
- 4. Billing and Payment All billing shall be invoiced to the Boone County Public Works Department. Billings may only include the prices listed in the Contractor's bid response. No additional fees for delivery or extra services or taxes shall be included as additional charges in excess of the charges in the Contractor's bid response to the specifications. The County agrees to pay all invoices within thirty days of receipt; Contractor agrees to honor any cash or prompt payment discounts offered in its bid response if county makes payment as provided therein. In the event of a billing dispute, the County reserves the right to withhold payment on the disputed amount; in the event the billing dispute is resolved in favor of the Contractor, the County agrees to pay interest at a rate of 9% per annum on disputed amounts withheld commencing from the last date that payment was due.
- 5. **Binding Effect** This agreement shall be binding upon the parties hereto and their successors and assigns for so long as this agreement remains in full force and effect.

- 6. *Entire Agreement* This agreement constitutes the entire agreement between the parties and supersedes any prior negotiations, written or verbal, and any other bid or bid specification or contractual agreement. This agreement may only be amended by a signed writing executed with the same formality as this agreement.
- 7. *Termination* This agreement may be terminated by the County upon thirty days advance written notice for any of the following reasons or under any of the following circumstances:
 - a. County may terminate this agreement due to material breach of any term or condition of this agreement, or
 - b. County may terminate this agreement if in the opinion of the Boone County Commission if delivery of products are delayed or products delivered are not in conformity with bidding specifications or variances authorized by County, or

BOONE COUNTY, MISSOURI

c. If appropriations are not made available and budgeted for any calendar year.

IN WITNESS WHEREOF the parties through their duly authorized representatives have executed this agreement on the day and year first above written.

ALBERT BUICK HONDA GMC

by faul D. Houston	by. Boone G	ounty Commission
title VP.	Weith Sohnon	re, Presiding Commissioner
APPROVED AS TO FORM:	ATTEST:	te, Fresiding Commissioner
County Counselor	Wendy S. Norey	County Clork
AUDITOR CERTIFICATION	welldy 3. Noie	i, County Clerk
In accordance with RSMo 50.660, I hereby certify that a savailable to satisfy the obligation(s) arising from this contract do not create a measurable county obligation at t	tract. (Note: Certifica	
	. / /	2045-92300 - \$41,284.96 1720-92400 - \$44,084.96
Signature C. Pitchfack Ayre	//23/03 Date	Appropriation Account

CERTIFIED COPY OF ORDER

STATE OF MISSOURI

January Session of the November Adjourned

Term. 20 ()3

County of Boone

In the County Commission of said county, on the

 28^{th}

day of

January

20 03

the following, among other proceedings, were had, viz:

Now on this day, the County Commission of the County of Boone does hereby award bid 90-31DEC02 for Inmate Detention Supplies to Bob Barker Company, Inc. It is further ordered that the Presiding Commissioner be hereby authorized to sign said contract.

Done this 28th day of January, 2003.

Keith Schnarre

Presiding Commissioner

ATTEST:

Clerk of the County Commission

Karen M. Miller

District I Commissioner

District II Commissioner

Boone County Purchasing

Marlene Ridgway Buyer



601 E.Walnut, Rm 209 Columbia, MO 65201 (573) 886-4392 Fax (573) 886-4390

37-2003

MEMORANDUM

TO:

Boone County Commission

FROM:

Marlene Ridgway MK

RE:

90-31DEC02 - Inmate Detention Supplies

DATE:

January 17, 2003

The Sheriff's Department and I have reviewed the bids submitted and recommend awarding all items to Bob Barker Company, Inc. In evaluating the responses, if we were to award low bid for each line item, it would require 8 separate contracts and save approximately only \$4,000.00 per year. We recommend awarding to one bidder for a total cost of supplies for approximately \$36,335.75 per year.

This is a term and supply contract to be paid from 1255-23025. I have attached the bid tabulation.

Bid Tabulation

90-31DEC02 - Inmate Detention Supplies

						Co. Inc. le, MA		ıcs	, Wac	o, TX	,		in Company, ite, PA	Ro	binson	Textiles,Garden CA	a Te	Textile Sales, Baltimore MD Bob				b Barke	er, Fuquay Varina, NC
ITEM #	Est. Qty.	Unit	DESCRIPTION	Unit Price	E	xt Price	Uni	t Price		Ext Price	Uı	nit Price	Ext Price	Un	it Price	Ext Price	U	nit Price		Ext Price	Un	it Price	Ext Price
4.7.1.	100	each	Mattresses	\$ -	\$	_	\$	32.40	\$	3,240.00	\$	30.72	\$ 3,072.00	\$	27.80	\$ 2,780.0	\$		\$	_	\$	28.35	\$ 2,835.00
4.7.2.	300	each	Wool Blankets	\$ 9.00	\$	2,700.00	\$	10.90	\$	3,270.00	\$ \$	9.34	\$ 2,802.00	\$	14.90	\$ 4,470.0	\$	11.50	\$	3,450.00	\$	10.25	\$ 3,075.00
4.7.3.	100	each	Poly Cotton Blankets	\$ -	\$	-	\$	8.00	\$	800.00	\$	-	\$ -	\$	-	\$ -	\$	-	\$	-	\$	6.35	\$ 635.00
4.7.4.	200	each	Slip-On PVC Sandals	\$ -	\$	-	\$	1.92	\$	384.00	\$	1.68	\$ 336.00	\$	1.68	\$ 336.0	\$	1.73	\$	345.00	\$	1.60	\$ 320.00
4.7.5.	35	cases	Toothpaste	\$ ~	\$	-	\$	29.90	\$	1,046.50	\$	37.24	\$ 1,303.40	\$	-	\$ -	\$	_	\$	_	\$	26.75	\$ 936.25
4.7.6.	35	cases	Toothbrushes	\$ -	\$	-	\$	5.10	\$	178.50	\$	57.68	\$ 2,018.80	\$	-	\$ -	\$	-	\$	-	\$	5.20	\$ 182,00
4.7.7.	100	cases	Soap	\$ ~	\$	-	\$	46.00	\$	4,600.00	\$	44.24	\$ 4,424.00	\$	-	\$ -	\$	-	\$	_	\$	42.00	\$ 4,200.00
4.7.8.	100	cases	Razors	\$ -	\$	-	\$	5.10	\$	510.00	\$	29.88	\$ 2,988.00	\$	-	\$ -	\$	-	\$	-	\$	27.80	\$ 2,780.00
4.7.9.	200	cases	Shampoo	\$ -	\$	-	\$	23.00	\$	4,600:00	\$	19.42	\$ 3,884.00	\$	-	\$ -	\$	-	\$		\$	25.92	\$ 5,184.00
4.7.10.	35	cases	Combs	\$ -	\$	-	\$	34.90	\$	1,221.50	\$	32.96	\$ 1,153.60	\$	-	\$ -	\$	-	\$	-	\$	42.00	\$ 1,470.00
4.7.11.	100	box	ID Bands	\$ -	\$	-	\$	159.00	\$	15,900.00	\$	120.97	\$ 12,097.00	\$	-	\$ -	\$	-	\$	_	\$	111.75	\$ 11,175.00
	1	each	Fastening tool	\$ -	\$	-	\$	49.00	\$	49.00	\$	42.62	\$ 42.62	\$		\$ -	\$		\$_		\$_	41.00	\$ 41.00
4.7.12.	15	cases	Cleaning Detergent	\$ -	\$		\$	-	\$	-	\$	_	\$ -	\$	_	\$ -	\$	-	\$		\$	32.00	\$ 480.00
4.7.13.	5	bales	Bath Towels white	\$ -	\$		\$	352.50	\$	1,762.50	\$	286.04	\$ 1,430.20	\$	_	\$ -	\$	277.50	\$	1,387.50	\$	330.00	\$ 1,650.00
			brown	\$ -	\$	<u> </u>	\$	352.50	<u> </u>		\$	_	\$ 	\$	-	\$ -	\$	-	\$		<u> </u>		\$ -
4.7.13.	10		Wash Cloths	\$ -	\$	-	\$	1.40	\$	14.00	\$	-	\$ -	\$	-	\$ -	\$	-	\$		\$	2.25	\$ 22.50
4.7.14.	100		Latex Gloves	\$ -	\$	-	\$	3.10	\$	310:00	\$	3.54	\$ 354.00	\$	-	\$ -	\$	-	\$	-	\$	13.50	\$ 1,350.00
4.7.15.			GRAND TOTAL		\$	2,700.00	L		\$	37,886.00			\$ 35,905.62			\$ 7,586.0	0		\$	5,182.50			\$ 36,335.75

4.8

4.9

Any minimum ordering requirements?	10 blankets	\$100.00	order minimum of case sizes		shoes are packed 24 prs per cas per size	None
Maximum Percentage Increase 2nd Year	0%	5%	3%	3%	2%	0%
Maximum Percentage Increase 3rd Year	0%	5%	3%	3%	2%	0%
Cooperative Purchasing Delivery ARO		Yes 30 days	Yes 10/20 days	No 30		Yes 7-30 days

Bid Tabulation

90-31DEC02 - Inmate Detention Supr

					CME Su		Co Ltd ton, NY	Ch	arm-Te	ex Bro NY	oklyn	Cha	ampio Whitt		emical CA			ephens, Jr. n, OH				titutional tville, MN			panie	, GA		Jerry's Vacuums		
ITEM #	Est. Qty.	Unit	DESCRIPTION	Un	it Price	Ex	ct Price	Uni	t Price	Ext	Price	Unit	Unit Price Ext Price		Unit Price Ext Price		Unit	Price	E	xt Price	Uni	t Price	Ext	Price	Un	it Price	E	xt Price		
4.7.1.	100	each	Mattresses	\$	-	\$	-	\$	-	\$	-	\$	-	\$		\$ 31.93	\$	3,193.00	\$	47.90	\$	4,790.00	\$	30.99	\$ 3,	099.00	\$	-	\$	-
4.7.2.	300	each	Wool Blankets	\$	-	\$	-	\$	8.29	\$ 2,4	87.00	\$	-	\$	-	\$ -	\$	_	\$	-	\$	-	\$	*	\$	-	\$	-	\$	
4.7.3.	100	each	Poly Cotton Blankets	\$	-	\$	-	\$	-	\$	-	\$	-	\$	_	\$ -	\$		\$	-	\$	-	\$	-	\$	-	\$		\$	-
4.7.4.	200	each	Slip-On PVC Sandals	\$		\$	-	\$		\$	-	\$	-	\$	-	\$ 2.37	\$	474.00	\$	2.28	\$	456.00	\$	1.87	\$	374.00	\$	-	\$	-
4.7.5.	35	cases	Toothpaste	\$	29.00	\$	1,015.00	\$	-	\$	-	\$	_	\$	-	\$ 34.44	\$	1,205.40	\$	37.63	\$	1,317.05	\$		\$		\$	62.27	\$	2,179.45
4.7.6.	35	cases	Toothbrushes	\$	-	\$	_	\$	-	\$		\$	-	\$	-	\$ 6.53	\$	228.55	\$	7.89	\$	276.15	\$	-	\$	-	\$	37.40	\$	1,309.00
4.7.7.	100	cases	Soap	\$	36.24	\$	3,624.00	\$	_	\$	-	\$	-	\$	-	\$ 49.86	\$	4,986.00	\$	39.99	\$	3,999.00	\$	_	\$	-	\$	45.81	\$	4,581.00
4.7.8.	100	00000	Razors	\$	20.00	\$	2,000.00	\$		\$	-	\$	_	\$	-	\$ 33.94	\$	3,394.00	\$	31.08	\$	3,108.00	\$		\$	-	\$		\$	
4.7.9.	200	cases	Shampoo	\$	16.70	\$	3,340.00	\$	-	\$	-	\$	_	\$	-	\$ 25.93	\$	5,186.00	\$	27.23	\$	5,446.00	\$	-	\$	-	\$	44.53	\$	8,906.00
4.7.10.	35	cases	Combs	\$		\$	_	\$	-	\$	-	\$	-	\$	-	\$ 2.45	\$	85.75	\$	4.05	\$	141.75	\$	_	\$		\$	-	\$	
4.7.11.	100	box	ID Bands	\$	-	\$	-	\$		\$	_	\$	-	\$	_	\$ -	\$	*	\$	-	\$		\$	-	\$	-	\$	-	\$.	
	1	each	Fastening tool	\$	-	\$	-	\$	-	\$	-	\$	-	\$	_	\$ -	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
4.7.12.	15	cases	Cleaning Detergent	\$	-	\$	-	\$	-	\$	-	\$ 2	29.00	\$	435.00	\$ -	\$	-	\$	-	\$	_	\$	-	\$		\$	26.36	\$	395.40
4.7.13.	5	bales	Bath Towels white	\$	275.00	\$	1,375.00	\$	-	\$	-	\$	-	\$	*	\$308.75	\$	1,543.75	\$		\$	_	\$2	62.00	\$ 1	,310.00	\$	-	\$	-
			brown	\$	400.00			\$	-	\$	-	\$	-	\$			\$	_	\$	-	\$	-	\$3	30.00	\$	-	\$	-	\$	
4.7.13.	10	doz.	Wash Cloths	\$	1.95	\$	19.50	\$	-	\$		\$	-	\$		\$ -	\$	-	\$	-	\$	_	\$	1.33	\$	13.30	\$	_	\$	-
4.7.14.	100	boxes	Latex Gloves	\$	-	\$	_	\$	-	\$	-	\$	-	\$	-	\$ -	\$	-	\$	-	\$	-	\$		\$	-	\$	-	\$	-
4.7.15.			GRAND TOTAL			\$ 1	1,373.50			\$ 2,4	187.00			\$	435.00		\$	20,296.45	<u>L</u>		\$	19,533.95			\$ 4	,796.30	L		\$ 1	17,370.85

4.8	
4.9	

			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
Any minimum ordering requirements?		Non	no	No	N/A	NO Response	\$250
Maximum Percentage Increase 2nd Year	0%	10%	5%	3%	2%	3%	3-5%
Maximum Percentage Increase 3rd Year	0%	10%	5%	3%	2%	3%	3-5%
	Yes						Yes
Delivery ARO	10 days	10/30 days	5-7 days	stock 15 days	5 days	10-14 days	5-7 days

PURCHASE AGREEMENT FOR INMATE DETENTION SUPPLIES

RECEIVED
JAN 2 1 2003

THIS AGREEMENT dated the 28 day of ANUAR 2003 is made between Boone County, Missouri, a political subdivision of the State of Missouri through the Boone County Commission, herein "County" and Bob Baker Company, Inc., herein "Contractor."

IN CONSIDERATION of the parties performance of the respective obligations contained herein, the parties agree as follows:

- 1. Contract Documents This agreement shall consist of this Purchase Agreement For Inmate Detention Supplies, County of Boone Request for Bid, bid number 90-31DEC02, Introduction and General Terms and Conditions of Bidding, Primary Specifications, Response Presentation and Review, the un-executed Response Form, Standard Terms and Conditions, as well as the Contractor's bid response dated December 20, 2002 and executed by Todd Batchelor on behalf of the Contractor. All such documents shall constitute the contract documents, which are attached hereto and incorporated herein by reference. Service or product data, specification and literature submitted with bid response may be permanently maintained in the County Purchasing Office bid file for this bid if not attached. In the event of conflict between any of the foregoing documents, the Introduction and General Terms and Conditions of Bidding, Primary Specifications, Response Presentation and Review, the un-executed Response Form, Standard Terms and Conditions, shall prevail and control over the Contractor's bid response.
- 2. Contract Duration This agreement shall commence on the date written above through December 31, 2003, subject to the provisions for termination specified below. This agreement may be extended beyond the expiration date by order of the County for two additional one year periods subject to the pricing clauses in the Contractor's bid response and thereafter on a month to month basis in the event the County is unable to re-bid and/or award a new contract prior to the expiration date after exercising diligent efforts to do so or not; provided, however, that from and after the expiration date of this agreement and any annual extensions thereof, Contractor shall have the right to terminate this agreement upon thirty days advance written notice of termination.
- **3.** *Purchase* The County agrees to purchase from the Contractor and the Contractor agrees to supply the County the items identified and responded to as required in the bid specifications and in conformity with the contract documents for the prices set forth in the Contractor's bid response, as needed and as ordered by the County.
- **4.** *Delivery* Contractor agrees to deliver the items as specified within thirty (30) days from date of order.
- 5. Billing and Payment All billing shall be invoiced to the Boone County Sheriff's Department and billings may only include the prices listed in the Contractor's bid response. No additional fees for delivery or extra services not included in the bid response or taxes shall be included as additional charges in excess of the charges in the Contractor's bid response to the specifications. The County agrees to pay all invoices within thirty days of receipt; Contractor agrees to honor any cash or prompt payment discounts offered in its bid response if county makes payment as provided therein. In the event of a billing dispute, the County reserves the right to withhold payment on the disputed amount; in the event the billing dispute is resolved in favor of the Contractor, the County agrees to pay interest at a rate of 9% per annum on disputed amounts withheld commencing from the last date that payment was due.

T ur. h i

- 6. Binding Effect This agreement shall be binding upon the parties hereto and their successors and assigns for so long as this agreement remains in full force and effect.
- 7. Entire Agreement This agreement constitutes the entire agreement between the parties and supersedes any prior negotiations, written or verbal, and any other bid or bid specification or contractual agreement. This agreement may only be amended by a signed writing executed with the same formality as this agreement.
- 8. Termination This agreement may be terminated by the County upon thirty days advance written notice for any of the following reasons or under any of the following circumstances:
 - a. County may terminate this agreement due to material breach of any term or condition of this agreement, or
 - b. County may terminate this agreement if in the opinion of the Boone County Commission if delivery of products are delayed or products delivered are not in conformity with bidding specifications or variances authorized by County, or

DOONE COUNTY MISSOURI

1255-23025 Term/Supply

1255 - 23026 Term/Supply

c. If appropriations are not made available and budgeted for any calendar year.

IN WITNESS WHEREOF the parties through their duly authorized representatives have executed this agreement on the day and year first above written.

DOD DAWED COMDANY INC

,
by: Booke County Commission Keith Schnarre, Presiding Commissioner
ATTEST: Wendy 5. Noren, County Clerk To Wendy S. Moren, County Clerk

In accordance with RSMo 50.660, I hereby certify that a sufficient unencumbered appropriation balance exists and is available to satisfy the obligation(s) incurred by this contract. (Note: Certification of this contract is not required if

Term & Supply - No Cucumbrance Required Kf 1/21/03

Signature Date 1255 - 23026 Term/Sup

Appropriation Account

the terms of the contract do not create in a measurable county obligation at this time.)

Boone County Purchasing

Marlene Ridgway Buyer



601 E.Walnut-Room 209 Columbia, MO 65201 (573) 886-4392 Fax (573) 886-4390

Email: mridgway@boonecountymo.org

December 2, 2003

Joyce Sorensen Bob Barker Company, Inc. P.O. Box 429 Fuguay-Varina, NC 27526-0429

RE: 90-31DEC02 - Inmate Detention Supplies

Dear Ms. Sorensen:

The County of Boone wishes to renew the above referenced contract. Confirming your letter received from your company dated December 2, 2003, you agree to renew the contract under the same terms and conditions as in the original specifications with the following increase: Line Item 4.7.11. ID Bands \$119.85/box and Fastening Tool \$58.95/each. This contract renewal date will cover through December 31, 2004.

Should you have any questions, please contact me.

Sincerely,

Marlene Ridgway

Buyer

Cc

Leasa Quick, BCSD

Bid File Clerk's File

Boone County Purchasing

Debbie CrutchfieldOffice Specialist



601 E.Walnut-Room 209 Columbia, MO 65201 (573) 886-4394 Fax (573) 886-4390

Email: dcrutchfield@boonecountymo.org

October 12, 2004

Greg Schnurr Bob Barker Company P.O. Box 429 Fuquary-Varina, NC 27526

RE: 90-31DEC02 – Inmate Detention Supplies

Dear Mr. Schnurr:

The County of Boone wishes to renew the above referenced contract. Confirming the letter dated October 1, 2004, you agree to renew the contract under the same terms and conditions as the original contract, which you indicated in your returned letter of intent. This contract renewal date will cover through December 31, 2005.

Should you have any questions, please contact me.

Sincerely,

Debbie Crutchfield Office Specialist

Cc Sheriff Department
JJC (Ann Schnell)
Bid File
Clerk's File
Auditor



CERTIFIED COPY OF ORDER

STATE OF MISSOURI

ea.

January Session of the November Adjourned

Term. 20 ()3

County of Boone

In the County Commission of said county, on the

28th da

January

20 03

the following, among other proceedings, were had, viz:

Now on this day, the County Commission of the County of Boone does hereby call for an election to be held in said County on Tuesday, the 8th day of April, 2003, for the purpose of electing one (1) member of the County Hospital Board of Trustees.

Said Commission hereby adopts the following Notice of Election and Sample Ballot for said election:

STATE OF MISSOURI COUNTY OF BOONE

Notice is hereby given to the qualified electors of the County of Boone, Missouri, that the County Commission of said County has called for an election to be held on Tuesday, the 8th day of April, 2003, from and between the hours of six o'clock a.m. and seven o'clock p.m. on said day for the purpose of electing one (1) member of the County Hospital Board of Trustees. The one trustee elected shall serve for a term of 5 years.

The ballot at said election shall be in substantially the following form:

OFFICIAL BALLOT COUNTY OF BOONE, MISSOURI Tuesday, April 8, 2003

FOR HOSPITAL TRUSTEE: (VOTE FOR 1)

GARY L. SEIDER DENNIS L. THOMPSON FRED PARRY FAITH PHILLIPS

INSTRUCTIONS TO VOTERS: DARKEN THE OVAL NEXT TO THE NAME OF THE CANDIDATE FOR WHOM YOU WISH TO VOTE.

The Commission further orders the election be conducted by the Clerk of said County pursuant to the provisions of Chapter 115 RSMO.

Done this 28th day of January, 2003.

ATTEST:

Wendy S. Noren

Clerk of the County Commission

Keith Schnarre

Presiding Commissioner

Karen M. Miller

District I Commissioner

Skip Elkin

District II Commissioner

	STATE OF MISSOURI Sss. County of Boone
	To Wendy S. Noren, Boone County Clerk Date Ol 1003
	I, Gary L. Seider a resident and registered voter of the County of
	Boone and the state of Missouri, residing at 19501 N. Bertlee Drive, Centralia, MO 65240
	do announce myself a candidate for the office of Hospital Trustee to be voted for at the municipal
	election to be held on the 8th day of April, 2003, and I further declare that if elected to such office I will
	qualify. Signature of Candidate
	Type or print your name exactly as you desire it printed on the ballot. Name Gary L. Seider Address 19501 N. Bertlee Dr. Centralia, MO Mailing Address (if different) Telephone # (573) 682-3389 (optional)
-	AFFIDAVIT
	County of Boone ss.
	I hereby swear (or affirm) that the information contained in the foregoing declaration of candidacy is, to the best of my knowledge, true. Signature of Candidate Subscribed and sworn to before me this 10th day of January, 2003. Signature of election official or other officer authorized to administer oaths
	Date Filed: 1/10/03 Time Filed: 12:45 pm Deputy Initials:

PERSONAL FINANCIAL DISCLOSURE NOTICE 105.487 RSMo

I, Sary L. Se't dor, acknowledge that I have received notice that candidates for elective fice must file a financial interest statement no later than the 14th day after the last day for declaring candidacy election (statements being due February 4, 2003), and the statement shall be for the 12 month period closing	
December 31, 2002, and the statement shall be filed with the Missouri Ethics Commission.	
I further acknowledge that I have received a written summary of all laws over which the Missouri Ethics Commission has enforcement powers pursuant to chapter 105 RSMo, and chapter 130, RSMo.	

DATE: 01/10/03

STATE OF MISSOURI
County of Boone ss.
To Wendy S. Noren, Boone County Clerk Date 1-16-03
I, VENASS Thompson a resident and registered voter of the County of
Boone and the state of Missouri, residing at 1911 Rose Thise, Columbia, MO
do announce myself a candidate for the office of Hospital Trustee to be voted for at the municipal
election to be held on the 8th day of April, 2003, and I further declare that if elected to such office I will
qualify.
Signature of Candidate
NOTICE Type or print your name exactly as you desire it printed on the ballot.
Name TENNIS h. Thompson Address 1711 Ross TR
Address
Mailing Address (if different)
Telephone # 446-5930
(optional)
AFFIDAVIT STATE OF MISSOURI
County of Boone ss.
I hereby swear (or affirm) that the information contained in the foregoing declaration of candidacy is, to the best of my knowledge, true.
Jenny Kongson Signature of Candidate
Subscribed and sworn to before me this/6 day of
Date Filed: 1-16-03 Time Filed: 9 Comp. Deputy Initials: Wh

PERSONAL FINANCIAL DISCLOSURE NOTICE 105.487 RSMo

I, TENDS TWO AS A cknowledge that I have received notice that candidates for elective office must file a financial interest statement no later than the 14th day after the last day for declaring candidacy or election (statements being due February 4, 2003), and the statement shall be for the 12 month period closing exember 31, 2002, and the statement shall be filed with the Missouri Ethics Commission.

I further acknowledge that I have received a written summary of all laws over which the Missouri Ethics Commission has enforcement powers pursuant to chapter 105 RSMo, and chapter 130, RSMo.

Signature of Candidate

DATE:

STATE OF MISSOURI Ss.					
County of Boone ss.					
To Wendy S. Noren, Boone County Clerk Date 1/21/03					
I, Fred J. Parry a resident and registered voter of the County of					
Boone and the state of Missouri, residing at 709 West Broadway,					
Columbia, Mo 65203					
do announce myself a candidate for the office of Hospital Trustee to be voted for at the municipal					
election to be held on the 8th day of April, 2003, and I further declare that if elected to such office I will					
qualify.					
$\sqrt{\alpha}$					
Signature of Candidate					
NOTICE Type or print your name exactly as you desire it printed on the ballot.					
Name Fred Parry Address 709 West Broadway					
Mailing Address (if different)					
Telephone # 573 - 499 - 1853 (optional)					
(op nomm)					
AFFIDAVIT					
STATE OF MISSOURI Sss.					
County of Boone					
I hereby swear (or affirm) that the information contained in the foregoing declaration of candidacy is, to the best of my knowledge, true.					
Signature of Candidate					
Subscribed and sworn to before me this 21 day of January, 203.					
Subscribed line sworn to serve me time Say on Say o					
Maurey Method					
Signature of election official or other officer authorized to administer oaths					
1/2/1/2 219					

PERSONAL FINANCIAL DISCLOSURE NOTICE 105.487 RSMo

I,	Fred	J. Par	r⊈_, acknowled	lge that I hav	e received	notice that ca	andidates for electi	ve
	rice must file a	financial inte	rest statement no 1	ater than the	14th day a	fter the last d	ay for declaring ca	ındidacy
	election (state	ments being o	lue February 4, 20	03), and the	statement s	hall be for th	e 12 month period	closing
ע	ecember 31, 20	02, and the sta	atement shall be fil	led with the l	Missouri Et	thics Commi	ssion.	

I further acknowledge that I have received a written summary of all laws over which the Missouri Ethics Commission has enforcement powers pursuant to chapter 105 RSMo, and chapter 130, RSMo.

County of Boone ss.
To Wendy S. Noren, Boone County Clerk Date <u>Cl - 21-03</u>
I, Faith A. Phillips a resident and registered voter of the County of
Boone and the state of Missouri, residing at <u>2243 E. Bearfield Subdivision</u> , Columbia, Missouri 45201
do announce myself a candidate for the office of Hospital Trustee to be voted for at the municipal
election to be held on the 8th day of April, 2003, and I further declare that if elected to such office I will
qualify. Auch Athelysis Signature of Candidate
NOTICE Type or print your name exactly as you desire it printed on the ballot. Name Faith Phillips Address Address Mailing Address (if different) Telephone # 573-449-6774 (optional)
AFFIDAVIT
County of Boone ss.
I hereby swear (or affirm) that the information contained in the foregoing declaration of candidacy is, to the best of my knowledge, true.
Subscribed and sworn to before me this 21 day of January, 2003. Signature of Candidate Augustus Cary Signature of election official or other officer authorized to administer oaths
Poto Filed: 1/21/03 Time Filed: 953 Denuty Initials 7/16

PERSONAL FINANCIAL DISCLOSURE NOTICE 105.487 RSMo

		\bigcirc		•	
- 100	L. A	1//	11:00		
I, MIX	nH.	+ni,	11100	, acknowledge that I have received notice that candidates for elective	
fice mus	t file a fir	nancial	interest s	statement no later than the 14th day after the last day for declaring candidac	CY
election	ı (statem	ents bei	ng due F	February 4, 2003), and the statement shall be for the 12 month period closing	1Ľ
⊳ecember	31,2002	, and the	e stateme	ent shall be filed with the Missouri Ethics Commission.	_

I further acknowledge that I have received a written summary of all laws over which the Missouri Ethics Commission has enforcement powers pursuant to chapter 105 RSMo, and chapter 130, RSMo.

Signature of Candidate

DATE: 01-21-03

CERTIFIED COPY OF ORDER

STATE OF MISSOURI

January Session of the November Adjourned

Term. 20 03

County of Boone

 28^{th}

day of

January

20 03

the following, among other proceedings, were had, viz:

In the County Commission of said county, on the

Now on this day, the County Commission of the County of Boone does hereby accept the attached certification for the Centralia Special Road District:

Done this 28th day of January, 2003.

Presiding Commissioner

ATTEST:

Clerk of the County Commission

Karen M. Miller

District I Commissioner

Skip Elkin

District II Commissioner



WENDY S. NOREN BOONE COUNTY CLERK 801 E WALNUT ROOM 236 COLUMBIA MO 65201 (573) 886-4295 FAX (573) 886-4300

I, Wendy S. Noren, County Clerk and Election Authority in and for the County of Boone, State of Missouri, hereby certify that at the close of filing for Commissioner of the Centralia Special Road District of Boone County, Missouri at 5:00 p.m. on January 21, 2003 the number of candidates filed for the position of Commissioner equals the number of positions to be elected. I further certify that the notice provided for in subsection 5 of section 115.127 has been published in at least one newspaper of general circulation in the district. Pursuant to the provisions of 115.124.1 RSMo., no election shall be held for such office and the candidate, Jason Kehl, shall assume the duties of his office at the same time and in the same manner as if he had been elected at the April, 2003 election.

Given under my hand and seal this 27th day of January, 2003.

Wendy S. Noren

County Clerk and Election Authority County of Boone, State of Missouri

STATE OF MISSOURI ss.							
county of Boone ss.							
,							
To Wendy S. Noren, Boone County Clerk Date							
I, JASON KEHL a resident and registered voter of the County of							
Boone and the state of Missouri, residing at 9325 SAN-LYNN CENTRACIA, MO. 65240							
CENTRALIA, MO. 65240							
do announce myself a candidate for the office of Commissioner of Centralia Special Road District to be							
voted for at the municipal election to be held on the 8th day of April, 2003, and I further declare that if							
elected to such office I will qualify.							
Signature of Candidate							
NOTICE							
Type or print your name exactly as you desire it printed on the ballot.							
Name JASON KEHL Address 9325 SAN-LYNN							
Address 9325 SAN-LYNN							
Mailing							
Address (if different)							
Telephone #							
(optional)							
AFFIDAVIT STATE OF MISSOURI							
County of Boone							
I hereby swear (or affirm) that the information contained in the foregoing declaration of candidacy is, to the best of my knowledge, true.							
\bigcap $1/40$							
Signature of Candidate							
Subscribed and sworn to before me this 10th day of January, 2003.							
KATHY COLVIN Notary Public – Notary Seal State of Missouri County of Boone My Commission Exp. Mar 5, 2003 My Commission Exp. Mar 5, 2003 Signature of election official or other officer authorized to administer oaths							
Date Filed: 10-03 Time Filed: 2200m Deputy Initials: Kg							

ACKNOWLEDGMENT OF NOTIFICATION FOR FILING FINANCIAL DISCLOSURES

TO CANDIDATE FOR PUBLIC OFFICE:

Candidates and members of the governing body of a political subdivision with a budget of less than 1 million dollars are not required to file personal financial statements. If elected and the operating budget exceeds \$1 million, I understand that I will be required to file personal financial disclosure statements as required under Chapter 105 RSMo.

I, JASON KEHL	acknowledge that I have been notified of personal financial
(Print Name)	
requirements under Chapter 105 RSMo.	
requirements under Chapter 103 KSIVIO.	•

I further acknowledge that I have received a written summary of all laws over which the Missouri Ethics Commission has enforcement powers pursuant to chapter 105 RSMo, and chapter 130, RSMo.

Signature of Candidate

DATE: 1-10-03

CERTIFIED COPY OF ORDER

STATE OF MISSOURI

January Session of the November Adjourned

Term. 20 03

County of Boone

In the County Commission of said county, on the

28th da

January

20 03

the following, among other proceedings, were had, viz:

Now on this day, the County Commission of the County of Boone does hereby authorize the use of the Courthouse Grounds September 13, 2003 from 9:00 a.m. to 3:00 p.m. for a Motorcycle Show – Fundraiser for Coyote Hill Children's Home by the Son Rise Riders – Christian Motorcyclists Association. It is further ordered that the Presiding Commissioner be hereby authorized to sign said application.

Done this 28th day of January, 2003.

Keith Schnarre

Presiding Commissioner

ATTEST:

Wendy S. Noren

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Clerk of the County Commission

Karen M. Miller

District I Commissioner

Skip Elkin

District II Commissioner

COMMISSION AGENDA

Keith Schnarre, Presiding Commissioner Karen M. Miller, District I Commissioner Skip Elkin, District II Commissioner



Roger B. Wilson Boone County Government Center 801 East Walnut Room 245 Columbia, MO 65201-7732 573-886-4305 • FAX 573-886-4311

Boone County Commission

APPLICATION FOR ORGANIZATIONAL USE OF BOONE COUNTY COURTHOUSE GROUNDS

The undersigned organization hereby applies for a permit to use the Boone County Courthouse grounds as follows:						
Description of Use: Motorcycle Show- Fund Raise- for Coyote Hill Children's Home						
Date(s) of Use: 13 Sept 2003						
Time of Use: From: 9 (a.m./p.m. thru 3 a.m.(p.m.)						
 The undersigned organization agrees to abide by the following terms and conditions in the event this application is approved: To notify the Columbia Police Department and Boone County Sheriff's Department of time and date of use and abide by all applicable laws and ordinances in using Courthouse grounds. To remove all trash or other debris which may be deposited on the courthouse grounds by participants in the organizational us. To repair or replace or pay for the repair or replacement of damaged property including shrubs, flowers or other landscape caused by participants in the organizational use of courthouse grounds. To conduct its use of courthouse grounds in such a manner as to not unreasonably interfere with normal courthouse functions. To indemnify and hold the County of Boone, its officers, agents and employees, harmless from any and all claims. 						
demands, damages, actions, causes of action or suits of any kind or nature including costs, litigation expenses, attorney fees, judgments, settlements on account of bodily injury or property damage incurred by anyone participating in or attending the organizational use on the courthouse grounds as specified in this application. Name of Organization: Son Rise Riders - Christian Motorcyclists Association.						
Organization Representative/Title: George Ashton-Event Coordinator						
Phone Number: 256-5089						
Date of Application: 22 Jan 2003						
PERMIT FOR ORGANIZATIONAL USE OF COURTHOUSE GROUNDS The County of Boone hereby grants the above application for permit in accordance with the terms and conditions above written. The above permit is subject to termination for any reason by duly entered order of the Boone County Commission.						
ATTEST: BOONE COUNTY, MISSOURI						
County Clerk Ty County Commissioner						
DATE: 28 JANUARY 2003						

CERTIFIED COPY OF ORDER

STATE OF MISSOURI

January Session of the November Adjourned

Term. 20 ()3

County of Boone

 28^{th}

January

20 03

the following, among other proceedings, were had, viz:

In the County Commission of said county, on the

Now on this day, the County Commission of the County of Boone does hereby authorize the use of the Courthouse Grounds on March 19, 2003 from 5:00 to 7:30 p.m. for a Peaceful Demonstration – Lloyd Gaines Candlelight Vigil by the Legion of Black Collegians. It is further ordered that the Presiding Commissioner be hereby authorized to sign said application.

Done this 28th day of January, 2003.

Presiding Commissioner

ATTEST:

Clerk of the County Commission

Karen M. Miller

District I Commissioner

Skip Elkin

District II Commissioner

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COMMISSION AGENDA

Keith Schnarre, Presiding Commissioner Karen M. Miller, District I Commissioner Skip Elkin, District II Commissioner



BEDEINED .

Roger B. Wilson
JAN 2 2 Boone County Government Center
801 East Walnut Room 245
Columbia, MO 65201-7732
Boone County Carrenseigno A FAX 573-886-4311

Boone County Commission

APPLICATION FOR ORGANIZATION AL USE OF BOONE COUNTY COURTHOUSE G ROUNDS

The undersigned organization hereby applies for a permit to use the Boone County Courthouse grounds as follows: Description of Use: Peaceful Demonstration - Lloyd Gaunes Candlelight Vigil							
Description of Use: feaceful Demonstration Doyle							
Date(s) of Use: 3/19/03 (March 19, 2003) (Wednesday)							
Time of Use: From: 5:00 a.m. from thru 7:30 a.m. 5.m.							
 The undersigned organization agrees to abide by the following terms and condition: in the event this application is approved: To notify the Columbia Police Department and Boone County Sherif 's Department of time and date of use and abide by all applicable laws and ordinances in using Courthouse grounds. To remove all trash or other debris which may be deposited on the courthouse grounds by participants in the organizational us. To repair or replace or pay for the repair or replacement of damaged reperty including shrubs, flowers or other landscape caused by participants in the organizational use of courthouse grounds. To conduct its use of courthouse grounds in such a manner as to not increasonably interfere with normal courthouse functions. To indemnify and hold the County of Boone, its officers, agents and imployees, harmless from any and all claims, demands, damages, actions, causes of action or suits of any kind or no ture including costs, litigation expenses, attorney fees, judgments, settlements on account of bodily injury or 1 toperty damage incurred by anyone 							
participating in or attending the organizational use on the courthouse grounds as specified in this application.							
Name of Organization: Legion of Black Collegiars							
Organization Representative/Title: Political Chair: NICOI.E WILLIAMS							
Phone Number: 573-882-6520 or Cell: 816-674-2787							
Date of Application: 1/22/03							
PERMIT FOR ORGANIZATIONAL USE OF COUR HOUSE GROUNDS The County of Boone hereby grants the above application for permit in accordanc with the terms and conditions above written. The above permit is subject to termination for any reason by duly entered order of the Boone County Commission.							
ATTEST: BOONE COUNTY, MISSOURI							
County Clerk & County Commissic Jer							
DATE: 28 JANUARY 2003							
FIX Note R7873 [-21-03] 1 FOX NOTE WILLIAM S FORM DOMME Program DOMME Program DOMME							