



TAC 1213
 Cast Iron Fittings
 Water & Sewer Department
 Bid Date: September 17, 2020

Buyer: Donny Tiemann
dtiemann@cityoftulsa.org
 Please contact if you have any questions

1. Delivery:

If your Bid is accepted and a contract is executed, state the number of days you need to deliver the Goods and/or to begin providing Services:

You must be able to deliver the Goods and/or Services as specified in your Bid. Failure to do so may result in City terminating your contract or canceling the Purchase Order, pursuing collection under any performance bond, as well as seeking any other damages to which it may be entitled in law or in equity.

2. Pricing

Bidders must respond to all items to be considered responsive. Award of bid will be made by the whole section. You must bid all items in this section to be considered for award.

(ESTIMATED QUANTITIES FOR EVALUATION PURPOSES ONLY)

Cast Iron and Ductile Iron		Ferguson Water Works			Core & Main LP			Fortiline, Inc. dba Fortiline Waterworks			Utility Supply Company			
Item #	BENDS (See Specification "WfittingCI") Note: PE = Plain End, FLG = Flange	Estimate Annual QTY	Unit Cost	Extended Cost	Mfr. Name and Part #	Unit Cost	Extended Cost	Mfr. Name and Part #	Unit Cost	Extended Cost	Mfr. Name and Part #	Unit Cost	Extended Cost	Mfr. Name and Part #
1	C.I. Bend 11-1/4 degree (MJ-MJ) 6"	1	\$61.61	\$61.61	Tyler Union MJ1LAU	\$32.50	\$32.50	STAR, MJB1106	\$34.50	\$34.50	SIGMA DMB611	\$32.51	\$32.51	SIGMA DMB611
2	C.I. Bend 11-1/4 degree (MJ-PE) 6"	1	\$66.37	\$66.37	Tyler Union MJPE1LAU	\$36.90	\$36.90	STAR, MJBP1106	\$39.00	\$39.00	SIGMA DME611	\$36.93	\$36.93	SIGMA DME611
3	C.I. Bend 11-1/4 degree (MJ-MJ) 8"	1	\$77.38	\$77.38	Tyler Union MJ1LAX	\$44.20	\$44.20	STAR, MJB1108	\$46.00	\$46.00	SIGMA DMB811	\$44.21	\$44.21	SIGMA DMB811
4	C.I. Bend 11-1/4 Deg. (MJ-MJ) 10"	3	\$102.20	\$306.60	Tyler Union MJ1LA10	\$71.50	\$214.50	STAR, MJB1110	\$75.00	\$225.00	SIGMA DMB1011	\$71.51	\$214.53	SIGMA DMB1011
5	C.I. Bend 11-1/4 degree (MJ-MJ) 12"	1	\$138.62	\$138.62	Tyler Union MJ1LA12	\$88.40	\$88.40	STAR, MJB1112	\$93.50	\$93.50	SIGMA DMB1211	\$88.41	\$88.41	SIGMA DMB1211
6	C.I. Bend 11-1/4 degree (MJ-PE) 12"	1	\$129.14	\$129.14	Tyler Union MJPE1LA12	\$93.10	\$93.10	STAR, MJBP1112	\$98.00	\$98.00	SIGMA DME1211	\$93.09	\$93.09	SIGMA DME1211
7	C.I. Bend 11-1/4 degree (MJ-MJ) 16"	1	\$595.09	\$595.09	Tyler Union FB1LA16	\$214.50	\$214.50	STAR, MNB1116	\$224.00	\$224.00	SIGMA DMB1611	\$214.51	\$214.51	SIGMA DMB1611
8	C.I. Bend 11-1/4 degree (MJ-MJ) 24"	1	\$1,262.90	\$1,262.90	Tyler Union FB1LA24	\$425.00	\$425.00	STAR, MJB1124	\$445.00	\$445.00	SIGMA DMB2411	\$424.85	\$424.85	SIGMA DMB2411
9	C.I. Bend 11-1/4 degree (MJ-MJ) 30"	1	\$2,477.06	\$2,477.06	Tyler Union FB1LA30	\$852.00	\$852.00	STAR, MJB1130	\$875.00	\$875.00	SIGMA DMB3011	\$851.51	\$851.51	SIGMA DMB3011
10	C.I. Bend 22-1/2 degree (MJ-MJ) 4"	1	\$41.95	\$41.95	Tyler Union MJ2LAP	\$20.28	\$20.28	STAR, MJB2204	\$21.50	\$21.50	SIGMA DMB422	\$20.29	\$20.29	SIGMA DMB422
11	C.I. Bend 22-1/2 degree (MJ-PE) 4"	1	\$45.03	\$45.03	Tyler Union MJPE1LAP	\$23.14	\$23.14	STAR, MJBP2204	\$24.50	\$24.50	SIGMA DME422	\$23.15	\$23.15	SIGMA DME422
12	C.I. Bend 22-1/2 degree (MJ-MJ) 6"	1	\$61.60	\$61.60	Tyler Union MJ2LAU	\$31.20	\$31.20	STAR, MJB2206	\$32.75	\$32.75	SIGMA DMB622	\$31.21	\$31.21	SIGMA DMB622
13	C.I. Bend 22-1/2 degree (MJ-PE) 6"	1	\$70.84	\$70.84	Tyler Union MJPE2LAU	\$39.80	\$39.80	STAR, MJBP2206	\$42.00	\$42.00	SIGMA DME622	\$39.79	\$39.79	SIGMA DME622
14	C.I. Bend 22-1/2 degree (MJ-MJ) 8"	1	\$82.14	\$82.14	Tyler Union MJ2LAX	\$48.65	\$48.65	STAR, MJB2208	\$51.00	\$51.00	SIGMA DMB822	\$48.63	\$48.63	SIGMA DMB822
15	C.I. Bend 22-1/2 degree (MJ-MJ) 10"	1	\$117.28	\$117.28	Tyler Union MJ2LA10	\$72.05	\$72.05	STAR, MJB2210	\$76.00	\$76.00	SIGMA DMB1022	\$72.03	\$72.03	SIGMA DMB1022
16	C.I. Bend 22-1/2 degree (MJ-MJ) 12"	1	\$143.25	\$143.25	Tyler Union MJ2LA12	\$94.38	\$94.38	STAR, MJB2212	\$100.00	\$100.00	SIGMA DMB1222	\$94.39	\$94.39	SIGMA DMB1222
17	C.I. Bend 22-1/2 degree (MJ-PE) 12"	1	\$159.06	\$159.06	Tyler Union MJPE2LA12	\$107.40	\$107.40	STAR, MJBP2212	\$113.00	\$113.00	SIGMA DME1222	\$107.39	\$107.39	SIGMA DME1222
18	C.I. Bend 22-1/2 degree (MJ-MJ) 16"	1	\$595.09	\$595.09	Tyler Union FB2LA16	\$202.80	\$202.80	STAR, MJB2216	\$213.00	\$213.00	SIGMA DMB1622	\$202.81	\$202.81	SIGMA DMB1622
19	C.I. Bend 22-1/2 degree (MJ-MJ) 24"	1	\$1,059.62	\$1,059.62	Tyler Union FB2LA24	\$453.75	\$453.75	STAR, MJB2224	\$476.00	\$476.00	SIGMA DMB2422	\$453.71	\$453.71	SIGMA DMB2422
20	C.I. Bend 22-1/2 degree (MJ-MJ) 30"	1	\$2,066.30	\$2,066.30	Tyler Union FB2LA30	\$850.00	\$850.00	STAR, MJB2230	\$875.00	\$875.00	SIGMA DMB3022	\$836.43	\$836.43	SIGMA DMB3022
21	C.I. Bend 45 degree (FLG-FLG) 3"	1	\$45.65	\$45.65	Tyler Union F4M	\$24.00	\$24.00	STAR, FBD4503	\$25.50	\$25.50	SIGMA DFB345	\$23.93	\$23.93	SIGMA DFB345
22	C.I. Bend 45 degree (MJ-MJ) 4"	1	\$43.07	\$43.07	Tyler Union MJ4LAP	\$21.50	\$21.50	STAR, MJB4504	\$22.50	\$22.50	SIGMA DMB445	\$21.33	\$21.33	SIGMA DMB445

23	C.I. Bend 45 degree (MJ-MJ) 6"	1	\$64.96	\$64.96	Tyler Union MJ4LAU	\$34.35	\$34.35	STAR, MJB4506	\$36.25	\$36.25	SIGMA DMB645	\$34.33	\$34.33	SIGMA DMB645
24	C.I. Bend 45 degree (MJ-PE) 6"	1	\$69.16	\$69.16	Tyler Union MJPE4LAU	\$38.25	\$38.25	STAR, MJBP4506	\$40.50	\$40.50	SIGMA DME645	\$38.23	\$38.23	SIGMA DME645
25	C.I. Bend 45 degree (MJ-MJ) 8"	1	\$83.54	\$83.54	Tyler Union MJ4LAX	\$49.92	\$49.92	STAR, MJB4508	\$52.50	\$52.50	SIGMA DMB845	\$49.93	\$49.93	SIGMA DMB845
26	C.I. Bend 45 degree (MJ-PE) 8"	1	\$95.30	\$95.30	Tyler Union MJPE4LAX	\$60.90	\$60.90	STAR, MJBP4508	\$64.50	\$64.50	SIGMA DME845	\$60.85	\$60.85	SIGMA DME845
27	C.I. Bend 45 degree (MJ-MJ) 10"	1	\$117.56	\$117.56	Tyler Union MJ4LA10	\$72.28	\$72.28	STAR, MJB4510	\$75.50	\$75.50	SIGMA DMB1045	\$72.29	\$72.29	SIGMA DMB1045
28	C.I. Bend 45 degree (MJ-MJ) 12"	1	\$159.62	\$159.62	Tyler Union MJ4LA12	\$107.90	\$107.90	STAR, MJB4512	\$113.00	\$113.00	SIGMA DMB1245	\$107.91	\$107.91	SIGMA DMB1245
29	C.I. Bend 45 degree (MJ-PE) 12"	1	\$181.46	\$181.46	Tyler Union MJPE4LA12	\$128.50	\$128.50	STAR, MJBP4512	\$134.50	\$134.50	SIGMA DME 1245	\$128.19	\$128.19	SIGMA DME 1245
30	C.I. Bend 45 degree (MJ-MJ) 16"	1	\$584.73	\$584.73	Tyler Union FBLA16	\$211.50	\$211.50	STAR, MJB4516	\$220.00	\$220.00	SIGMA DMB1645	\$211.39	\$211.39	SIGMA DMB1645
31	C.I. Bend 45 degree (MJ-MJ) 24"	1	\$1,080.34	\$1,080.34	Tyler Union FB4LA24	\$495.00	\$495.00	STAR, MJB4524	\$510.00	\$510.00	SIGMA DMB2445	\$491.41	\$491.41	SIGMA DMB2445
32	C.I. Bend 45 degree (MJ-MJ) 30"	1	\$2,137.42	\$2,137.42	Tyler Union FB4LA30	\$1,025.00	\$1,025.00	STAR, MJB4530	\$1,025.00	\$1,025.00	SIGMA DMB3045	\$998.15	\$998.15	SIGMA DMB3045
33	C.I. Bend 90 degree (MJ-MJ) 3"	10	\$39.38	\$393.78	Tyler Union MJ9LAM	\$23.92	\$239.20	STAR, MJB9003	\$25.00	\$250.00	SIGMA DMB390	\$23.93	\$239.30	SIGMA DMB390
34	C.I. Bend 90 degree (FLG-FLG) 3"	10	\$77.71	\$777.12	Tyler Union F9M	\$30.68	\$306.80	STAR, FBD9003	\$32.50	\$325.00	SIGMA DFB390	\$30.69	\$306.90	SIGMA DFB390
35	C.I. Bend 90 degree (MJ-MJ) 4"	1	\$47.83	\$47.83	Tyler Union MJ9LAP	\$25.74	\$25.74	STAR, MJB9004	\$27.00	\$27.00	SIGMA DMB490	\$25.75	\$25.75	SIGMA DMB490
36	C.I. Bend 90 degree (FLG-FLG) 4"	3	\$82.21	\$246.63	Tyler Union F9P	\$47.58	\$142.74	STAR, FBD9004	\$49.50	\$148.50	SIGMA DFB490	\$47.59	\$142.77	SIGMA DFB490
37	C.I. Bend 90 degree (MJ-MJ) 6"	1	\$73.36	\$73.36	Tyler Union MJ9LAU	\$42.12	\$42.12	STAR, MJB9006	\$44.50	\$44.50	SIGMA DMB690	\$42.13	\$42.13	SIGMA DMB690
38	C.I. Bend 90 degree (MJ-PE) 6"	1	\$82.60	\$82.60	Tyler Union MJPE9LAU	\$50.80	\$50.80	STAR, MJBP9006	\$53.50	\$53.50	SIGMA DME690	\$50.71	\$50.71	SIGMA DME690
39	C.I. Bend 90 degree (FLG-FLG) 6"	7	\$129.39	\$905.73	Tyler Union F9U	\$73.58	\$515.06	STAR, FBD9006	\$77.00	\$539.00	SIGMA DFB690	\$73.59	\$515.13	SIGMA DFB690
40	C.I. Bend 90 degree (MJ-MJ) 8"	1	\$95.58	\$95.58	Tyler Union MJ9LAX	\$61.10	\$61.10	STAR, MJB9008	\$64.00	\$64.00	SIGMA DMB890	\$61.11	\$61.11	SIGMA DMB890
41	C.I. Bend 90 degree (FLG-FLG) 8"	1	\$183.01	\$183.01	Tyler Union F9X	\$120.64	\$120.64	STAR, FBD9008	\$125.00	\$125.00	SIGMA DFB890	\$120.65	\$120.65	SIGMA DFB890
42	C.I. Bend 90 degree (MJ-MJ) 10"	1	\$144.16	\$144.16	Tyler Union MJ9LA10	\$96.98	\$96.98	STAR, MJB9010	\$102.00	\$102.00	SIGMA DMB1090	\$96.99	\$96.99	SIGMA DMB1090
43	C.I. Bend 90 degree (MJ-PE) 10"	1	\$161.80	\$161.80	Tyler Union MJPE9LA10	\$115.00	\$115.00	STAR, MJBP9010	\$118.00	\$118.00	SIGMA DME1090	\$113.37	\$113.37	SIGMA DME1090
44	C.I. Bend 90 degree (FLG-FLG) 10"	1	\$303.43	\$303.43	Tyler Union F910	\$191.50	\$191.50	STAR, FBD9010	\$199.00	\$199.00	SIGMA DFB1090	\$191.37	\$191.37	SIGMA DFB1090
45	C.I. Bend 90 degree (MJ-MJ) 12"	1	\$183.98	\$183.98	Tyler Union MJ9LA12	\$130.52	\$130.52	STAR, MJB9012	\$137.00	\$137.00	SIGMA DMB1290	\$130.53	\$130.53	SIGMA DMB1290
46	C.I. Bend 90 degree (FLG-FLG) 12"	3	\$371.46	\$1,114.38	Tyler Union F912	\$249.08	\$747.24	STAR, FBD9012	\$261.00	\$783.00	SIGMA DFB1290	\$249.09	\$747.27	SIGMA DFB1290
47	C.I. Bend 90 degree (MJ-MJ) 16"	1	\$738.17	\$738.17	Tyler Union FB9LA16	\$300.00	\$300.00	STAR, MJB9016	\$310.00	\$310.00	SIGMA DMB1690	\$295.63	\$295.63	SIGMA DMB1690
48	C.I. Bend 90 degree (MJ-MJ) 24"	1	\$1,509.58	\$1,509.58	Tyler Union FB9LA24	\$750.00	\$750.00	STAR, MJB9024	\$775.00	\$775.00	SIGMA DMB2490	\$740.44	\$740.44	SIGMA DMB2490
Item #	Tees (See Specification "Wfitting CI")	Estimate Annual Quantity												
49	C.I. Tee (MJ-MJ-MJ) 3"	5	\$51.34	\$256.70	Tyler Union MJTLAM	\$31.72	\$158.60	STAR, MJT0303	\$33.50	\$167.50	SIGMA DMT33	\$31.73	\$158.65	SIGMA DMT33
50	C.I. Tee (FLG-FLG-FLG) 3"	8	\$77.16	\$617.28	Tyler Union FTM	\$43.94	\$351.52	STAR, FTD0303	\$46.50	\$372.00	SIGMA DFT33	\$43.95	\$351.60	SIGMA DFT33
51	C.I. Tee (MJ-MJ-MJ) 4"	1	\$66.57	\$66.57	Tyler Union MJTLAP	\$33.80	\$33.80	STAR, MJT0404	\$35.50	\$35.50	SIGMA DMT44	\$33.81	\$33.81	SIGMA DMT44
52	C.I. Tee (FLG-FLG-FLG) 4"	1	\$115.95	\$115.95	Tyler Union FTP	\$86.85	\$86.85	STAR, FTD0404	\$92.00	\$92.00	SIGMA DFT44	\$86.85	\$86.85	SIGMA DFT44
53	C.I. Tee (MJ-MJ-MJ) 6"	1	\$107.52	\$107.52	Tyler Union MJTLAU	\$60.85	\$60.85	STAR, MJT0606	\$64.00	\$64.00	SIGMA DMT66	\$60.85	\$60.85	SIGMA DMT66
54	C.I. Tee (FLG-FLG-FLG) 6"	11	\$191.44	\$2,105.84	Tyler Union FTU	\$107.90	\$1,186.90	STAR, FTD0606	\$112.00	\$1,232.00	SIGMA DFT66	\$107.91	\$1,187.01	SIGMA DFT66
55	C.I. Tee (MJ-MJ-MJ) 8" X 8" X 6"	1	\$124.98	\$124.98	Tyler Union MJYLAXU	\$75.40	\$75.40	STAR, MJT0806	\$79.00	\$79.00	SIGMA DMT86	\$75.41	\$75.41	SIGMA DMT86
56	C.I. Tee (MJ-MJ-MJ) 8"	1	\$142.67	\$142.67	Tyler Union MJTLAX	\$91.00	\$91.00	STAR, MJT0808	\$95.50	\$95.50	SIGMA DMT88	\$91.01	\$91.01	SIGMA DMT88

57	C.I. Tee (FLG-FLG-FLG) 8"	1	\$273.40	\$273.40	Tyler Union FTX	\$179.92	\$179.92	STAR, FTD0808	\$188.00	\$188.00	SIGMA DFT88	\$179.93	\$179.93	SIGMA DFT88
58	C.I. Tee (MJ-MJ-MJ) 10" X 10" X 6"	1	\$162.07	\$162.07	Tyler Union MJTLA10	\$97.24	\$97.24	STAR, MJT1006	\$102.00	\$102.00	SIGMA DMT106	\$97.25	\$97.25	SIGMA DMT106
59	C.I. Tee (MJ-MJ-MJ) 10" X 10" X 8"	1	\$177.25	\$177.25	Tyler Union MJTLA10X	\$113.88	\$113.88	STAR, MJT1008	\$119.50	\$119.50	SIGMA DMT108	\$113.89	\$113.89	SIGMA DMT108
60	C.I. Tee (MJ-MJ-MJ) 10"	1	\$199.59	\$199.59	Tyler Union MJTLA10	\$130.00	\$130.00	STAR, MJT1010	\$135.00	\$135.00	SIGMA DMT1010	\$130.01	\$130.01	SIGMA DMT1010
61	C.I. Tee (FLG-FLG-FLG) 10"	1	\$440.58	\$440.58	Tyler Union FT10	\$273.52	\$273.52	STAR, FTD1010	\$285.00	\$285.00	SIGMA DFT1010	\$273.53	\$273.53	SIGMA DFT1010
62	C.I. Tee (MJ-MJ-MJ) 12" X 12" X 4"	1	\$185.92	\$185.92	Tyler Union MJTLA12P	\$122.98	\$122.98	STAR, MJT1204	\$128.00	\$128.00	SIGMA DMT124	\$122.99	\$122.99	SIGMA DMT124
63	C.I. Tee (MJ-MJ-MJ) 12" X 12" X 6"	1	\$185.92	\$185.92	Tyler Union MJTLA12U	\$122.98	\$122.98	STAR, MJT1206	\$128.00	\$128.00	SIGMA DMT126	\$122.99	\$122.99	SIGMA DMT126
64	C.I. Tee (MJ-MJ-MJ) 12" X 12" X 10"	1	\$259.28	\$259.28	Tyler Union MJTLA1210	\$182.00	\$182.00	STAR, MJT1210	\$191.00	\$191.00	SIGMA DMT1210	\$182.01	\$182.01	SIGMA DMT1210
65	C.I. Tee (MJ-MJ-MJ) 12"	2	\$260.58	\$521.16	Tyler Union MJTLA12	\$181.50	\$363.00	STAR, MJT1212	\$190.00	\$380.00	SIGMA DMT1212	\$181.49	\$362.98	SIGMA DMT1212
66	C.I. Tee (MJ-MJ-MJ) 16" X 16" X 4"	1	\$848.68	\$848.68	Tyler Union FBTLA16P	\$475.00	\$475.00	STAR, MJT1604	\$485.00	\$485.00	SIGMA DMT164	\$446.19	\$446.19	SIGMA DMT164
67	C.I. Tee (MJ-MJ-MJ) 16" X 16" X 12"	1	\$990.60	\$990.60	Tyler Union FBTLA1612	\$340.00	\$340.00	STAR, MJT1612	\$340.00	\$340.00	SIGMA DMT1612	\$328.39	\$328.39	SIGMA DMT2424
68	C.I. Tee (MJ-MJ-MJ) 24"	1	\$2,882.46	\$2,882.46	Tyler Union FBTLA24	\$925.00	\$925.00	STAR, MJT2424	\$850.00	\$850.00	SIGMA DMT2424	\$819.79	\$819.79	SIGMA DMT2424
69	C.I. Tee (MJ-MJ-MJ) 24" X 24" X 12"	1	\$1,694.53	\$1,694.53	Tyler Union FBTLA2412	\$580.00	\$580.00	STAR, MJT2412	\$595.00	\$595.00	SIGMA DMT2412	\$569.93	\$569.93	SIGMA DMT2412
Item #	REDUCERS (See Specification "WfittingCI") NOTE: LEPE-Led End Pipe End	Estimate Annual Quantity												
70	C.I. Reducer (MJ-PE) 4" X 3"	1	\$43.91	\$43.91	Tyler Union MJRLAPM	\$23.45	\$23.45	STAR, MJRL0403	\$25.00	\$25.00	SIGMA LPR43	\$23.41	\$23.41	SIGMA DLPR43
71	C.I. Reducer (MJ-FLG) 4" X 3"	5	\$69.01	\$345.05	Tyler Union FBRLAPM	\$44.80	\$224.00	STAR, MJFR0403	\$47.50	\$237.50	SIGMA MFR43	\$44.78	\$223.90	SIGMA MFR43
72	C.I. Reducer (MJ-PE) 6" X 2"	3	\$80.56	\$241.68	Tyler Union FBLEBRLAUK	\$165.00	\$495.00	STAR, MJRL0602	\$100.00	\$300.00		\$171.60	\$514.80	TYLER UNION 065661
73	C.I. Reducer (PE-MJ) 6" X 2"	26	\$94.50	\$2,457.00	Tyler Union FBSEBRLAUK	\$135.00	\$3,510.00	STAR, MJRS0602	\$95.00	\$2,470.00		\$143.23	\$3,723.98	TYLER UNION 065661
74	C.I. Reducer (MJ-FLG) 6" X 4"	1	\$107.35	\$107.35	Tyler Union MJFRLAUP	\$72.80	\$72.80	STAR, MJFR0604	\$77.00	\$77.00	SIGMA MFR64	\$72.81	\$72.81	SIGMA MFR64
75	C.I. Reducer (MJ-MJ) 6" X 4"	1	\$50.38	\$50.38	Tyler Union MJRLAUP	\$24.50	\$24.50	STAR, MJR0604	\$26.00	\$26.00	SIGMA DMR64	\$24.45	\$24.45	SIGMA DMR64
76	C.I. Reducer (PE-MJ) 8" X 4"	1	\$72.55	\$72.55	Tyler Union MJPERXP	\$42.40	\$42.40	STAR, MJRS0804	\$44.50	\$44.50	SIGMA SPR84	\$42.39	\$42.39	SIGMA SPR84
77	C.I. Reducer (MJ-MJ) 8" X 4"	1	\$61.07	\$61.07	Tyler Union MJRLAXP	\$33.55	\$33.55	STAR, MJR0804	\$35.50	\$35.50	SIGMA DMR84	\$33.55	\$33.55	SIGMA DMR84
78	C.I. Reducer (PE-PE) 8" X 6"	1	\$79.01	\$79.01	Tyler Union MJPERXU	\$46.55	\$46.55	STAR, MJRP0806	\$49.00	\$49.00	SIGMA PPR86	\$46.55	\$46.55	SIGMA PPR86
79	C.I. Reducer (MJ-MJ) 8" X 6"	1	\$67.25	\$67.25	Tyler Union MJRLAXU	\$35.62	\$35.62	STAR, MJR0806	\$37.50	\$37.50	SIGMA DMR86	\$35.63	\$35.63	SIGMA DMR86
80	C.I. Reducer (FLG-FLG) 8" X 6"	1	\$140.67	\$140.67	Tyler Union FCRXU	\$82.68	\$82.68	STAR, FRD0806	\$87.00	\$87.00	SIGMA DFR86	\$82.69	\$82.69	SIGMA DFR86
81	C.I. Reducer (PE-MJ) 10" X 6"	1	\$97.70	\$97.70	Tyler Union MJFBRLA10U	\$59.28	\$59.28	STAR, MJRS1006	\$62.00	\$62.00	SIGMA SPR106	\$59.29	\$59.29	SIGMA SPR106
82	C.I. Reducer (MJ-MJ) 10" X 6"	1	\$83.14	\$83.14	Tyler Union MJRLA10	\$45.76	\$45.76	STAR, MJR1006	\$48.00	\$48.00	SIGMA DMR106	\$45.77	\$45.77	SIGMA DMR106
83	C.I. Reducer (FLG-FLG) 10" X 6"	1	\$315.39	\$315.39	Tyler Union FT10U	\$107.90	\$107.90	STAR, FRD1006	\$113.00	\$113.00	SIGMA DFR106	\$107.91	\$107.91	SIGMA DFR106
84	C.I. Reducer (PE-MJ) 10" X 8"	1	\$103.07	\$103.07	Tyler Union MJSEBRLA10X	\$63.45	\$63.45	STAR, MJRS1008	\$66.50	\$66.50	SIGMA SPR108	\$63.45	\$63.45	SIGMA SPR108
85	C.I. Reducer (MJ-MJ) 10" X 8"	1	\$85.44	\$85.44	Tyler Union MJRLA10X	\$50.45	\$50.45	STAR, MJR1008	\$53.00	\$53.00	SIGMA DMR108	\$50.45	\$50.45	SIGMA DMR108
86	C.I. Reducer (PE-PE) 12" X 4"	1	\$114.93	\$114.93	Tyler Union MJRP12P	\$77.22	\$77.22	STAR, MJRP1204	\$81.00	\$81.00	SIGMA PPR124	\$77.23	\$77.23	SIGMA PPR124
87	C.I. Reducer (MJ-MJ) 12" X 4"	1	\$127.96	\$127.96	Tyler Union MJRLA12P	\$69.20	\$69.20	STAR, MJR1204	\$72.50	\$72.50	SIGMA DMR124	\$69.17	\$69.17	SIGMA DMR124
88	C.I. Reducer (PE-PE) 12" X 6"	1	\$118.87	\$118.87	Tyler Union MJRP12U	\$77.25	\$77.25	STAR, MJRP1206	\$81.50	\$81.50	SIGMA PPR126	\$77.23	\$77.23	SIGMA PPR126
89	C.I. Reducer (PE-MJ) 12" X 6"	1	\$129.49	\$129.49	Tyler Union MJSEBRLA12U	\$84.80	\$84.80	STAR, MJRS1206	\$89.00	\$89.00	SIGMA SPR126	\$84.77	\$84.77	SIGMA SPR126
90	C.I. Reducer (MJ-MJ) 12" X 6"	2	\$166.19	\$332.38	Tyler Union MJRLA12U	\$60.60	\$121.20	STAR, MJR1206	\$63.50	\$127.00	SIGMA DMR126	\$60.59	\$121.18	SIGMA DMR126
91	C.I. Reducer (FLG-FLG) 12" X 6"	1	\$248.89	\$248.89	Tyler Union FCR12U	\$160.00	\$160.00	STAR, FDR1206	\$168.00	\$168.00	SIGMA DFR126	\$159.91	\$159.91	SIGMA DFR126
92	C.I. Reducer (PE-PE) 12" X 8"	1	\$122.28	\$122.28	Tyler Union MJRP12X	\$79.60	\$79.60	STAR, MJRP1208	\$83.50	\$83.50	SIGMA PPR128	\$79.57	\$79.57	SIGMA PPR128
93	C.I. Reducer (MJ-MJ) 12" X 8"	1	\$103.24	\$103.24	Tyler Union MJRLA12X	\$61.90	\$61.90	STAR, MJR1208	\$65.00	\$65.00	SIGMA DMR128	\$61.89	\$61.89	SIGMA DMR128
94	C.I. Reducer (MJ-MJ) 12" X 10"	1	\$115.49	\$115.49	Tyler Union MJRLA1210	\$68.75	\$68.75	STAR, MJR1210	\$72.00	\$72.00	SIGMA DMR1210	\$68.65	\$68.65	SIGMA DMR1210
95	C.I. Reducer (MJ-MJ) 14" X 12"	1	\$442.53	\$442.53	Tyler Union FBRLA1412	\$108.00	\$108.00	STAR, MJR1412	\$113.00	\$113.00	SIGMA DMR1412	\$107.91	\$107.91	SIGMA DMR1412
96	C.I. Reducer (MJ-PE) 16" X 6"	1	\$1,328.09	\$1,328.09	Tyler Union FBLEBRLA16U	\$195.00	\$195.00	STAR, MJRL1606	\$194.00	\$194.00	SIGMA LPR166	\$193.71	\$193.71	SIGMA LPR166
97	C.I. Reducer (FLG-FLG) 16" X 8"	1	\$631.66	\$631.66	Tyler Union FCR16X	\$235.00	\$235.00	STAR, FDR1608	\$239.00	\$239.00	SIGMA DFR168	\$227.77	\$227.77	SIGMA DFR168
98	C.I. Reducer (MJ-MJ) 16" X 10"	1	\$473.23	\$473.23	Tyler Union FBRLA1610	\$149.00	\$149.00	STAR, MJR1610	\$152.00	\$152.00	SIGMA DMR1610	\$145.35	\$145.35	SIGMA DMR1610

99	C.I. Reducer (MJ-PE) 16" X 14"	1	\$266.03	\$266.03	Tyler Union MJLEBRLA1614	\$198.00	\$198.00	STAR, MJRL1614	\$197.00	\$197.00	SIGMA LPR1614	\$187.99	\$187.99	SIGMA LPR1614
100	D.I. Reducer (LEPE-MJ) 16" X 14"	1	\$266.03	\$266.03	Tyler Union MJPEBRLA1614	\$650.00	\$650.00	STAR, MJRS1614	\$575.00	\$575.00	SIGMA SPR1614	\$549.13	\$549.13	SIGMA SPR1614
101	C.I. Reducer (MJ-MJ) 20" X 16"	1	\$796.10	\$796.10	Tyler Union FBRLA2016	\$216.00	\$216.00	STAR, MJR2016	\$225.00	\$225.00	SIGMA DMR2016	\$214.77	\$214.77	SIGMA DMR2016
102	C.I. Reducer (PE-MJ) 24" X 16"	1	\$962.18	\$962.18	Tyler Union FBSEBRLA2416	\$415.00	\$415.00	STAR, MJRS2416	\$420.00	\$420.00	SIGMA SPR2416	\$418.35	\$418.35	SIGMA SPR2416
103	C.I. Reducer (MJ-PE) 24" X 20"	1	\$1,109.70	\$1,109.70	Tyler Union FBSEBRLA2420	\$860.00	\$860.00	STAR, MJRL2420	\$875.00	\$875.00	SIGMA LPR2420	\$849.43	\$849.43	SIGMA LPR2420
Item #	CROSSES (See Specification "WfittingCI")	Estimate AnnualQuantity												
104	C.I. Cross (MJ-MJ-MJ-MJ) 4"	1	\$118.06	\$118.06	Tyler Union MJCRLAP	\$72.30	\$72.30	STAR, MJX0404	\$76.50	\$76.50	SIGMA DMC44	\$72.29	\$72.29	SIGMA DMC44
105	C.I. Cross (MJ-MJ-MJ-MJ) 6"	1	\$151.20	\$151.20	Tyler Union MJCRLAU	\$89.00	\$89.00	STAR, MJX0606	\$93.00	\$93.00	SIGMA DMC66	\$88.41	\$88.41	SIGMA DMC66
106	C.I. Cross (MJ-MJ-MJ-MJ) 8"	1	\$163.72	\$163.72	Tyler Union MJCRLAX	\$97.00	\$97.00	STAR, MJX0808	\$101.50	\$101.50	SIGMA DMC88	\$96.73	\$96.73	SIGMA DMC88
107	C.I. Cross (MJ-MJ-MJ-MJ) 12"	5	\$393.41	\$1,967.04	Tyler Union MJCRLA12	\$272.00	\$1,360.00	STAR, MJX1212	\$280.00	\$1,400.00	SIGMA DMC1212	\$271.19	\$1,355.95	SIGMA DMC1212
Item #	Nipples (See Specification "Wfitting CI")	Estimate AnnualQuantity												
108	C.I. Nipple (FLG-PE) 3" X 12"	5	\$90.58	\$452.91	Custom Pipe Fab FPPMG	\$98.50	\$492.50	US Pipe & Foundry 2S103FP0100	\$91.00	\$455.00	US PIPE FAB	\$86.47	\$432.35	US PIPE
109	C.I. Nipple (FLG-PE) 3" X 24"	5	\$143.64	\$718.21	Custom Pipe Fab FPPMK	\$156.00	\$780.00	US Pipe & Foundry 2S103FP0200	\$144.00	\$720.00	US PIPE FAB	\$137.13	\$685.65	US PIPE
110	C.I. Nipple (FLG-PE) 3" X 36"	10	\$196.70	\$1,967.01	Custom Pipe Fab FPPMM	\$214.00	\$2,140.00	US Pipe & Foundry 2S103FP0300	\$196.00	\$1,960.00	US PIPE FAB	\$187.78	\$1,877.80	US PIPE
111	C.I. Nipple (FLG-FLG) 3" X 36"	5	\$238.01	\$1,190.06	Custom Pipe Fab FPPMM	\$258.00	\$1,290.00	US Pipe & Foundry 2S103FF0300	\$238.00	\$1,190.00	US PIPE FAB	\$227.22	\$1,136.10	US PIPE
112	C.I. Nipple (FLG-FLG) 3" X 42"	5	\$397.19	\$1,985.96	Custom Pipe Fab FPPMMG	\$286.50	\$1,432.50	US Pipe & Foundry 2S103FF0306	\$264.00	\$1,320.00	US PIPE FAB	\$252.54	\$1,262.70	US PIPE
113	C.I. Nipple (FLG-PE) 4" X 12"	1	\$69.357	\$69.357	Custom Pipe Fab FPPPG	\$75.00	\$75.00	US Pipe & Foundry 2S104FP0100	\$70.00	\$70.00	US PIPE FAB	\$66.21	\$66.21	US PIPE
114	C.I. Nipple (FLG-FLG) 4" X 12"	1	\$115.974	\$115.974	Custom Pipe Fab FPPPCPG	\$126.00	\$126.00	US Pipe & Foundry 2S104FF0100	\$116.00	\$116.00	US PIPE FAB	\$110.71	\$110.71	US PIPE
115	C.I. Nipple (FLG-PE) 4" X 24"	1	\$94.371	\$94.371	Custom Pipe Fab FPPPCPX	\$102.50	\$102.50	US Pipe & Foundry 2S104FP0200	\$95.00	\$95.00	US PIPE FAB	\$90.09	\$90.09	US PIPE
116	C.I. Nipple (FLG-FLG) 4" X 24"	2	\$140.99	\$281.98	Custom Pipe Fab FPPPCPK	\$152.00	\$304.00	US Pipe & Foundry 2S104F0200F	\$141.00	\$282.00	US PIPE FAB	\$134.59	\$269.18	US PIPE
117	C.I. Nipple (FLG-PE) 4" X 36"	5	\$119.39	\$596.93	Custom Pipe Fab FPPPCPM	\$129.00	\$645.00	US Pipe & Foundry 2S104FP0300	\$120.00	\$600.00	US PIPE FAB	\$113.97	\$569.85	US PIPE
118	C.I. Nipple (FLG-FLG) 4" X 36"	1	\$166.002	\$166.002	Custom Pipe Fab FPPPCPM	\$179.50	\$179.50	US Pipe & Foundry 2S104FF0300	\$166.00	\$166.00	US PIPE FAB	\$158.47	\$158.47	US PIPE
119	C.I. Nipple (FLG-PE) 4" X 42"	1	\$131.892	\$131.892	Custom Pipe Fab FPPPMG	\$143.00	\$143.00	US Pipe & Foundry 2S104FP0306	\$132.00	\$132.00	US PIPE FAB	\$125.91	\$125.91	US PIPE
120	C.I. Nipple (FLG-FLG) 4" X 42"	1	\$178.48	\$178.48	Custom Pipe Fab FPPPMG	\$194.00	\$194.00	US Pipe & Foundry 2S104FF0306	\$179.00	\$179.00	US PIPE FAB	\$170.41	\$170.41	US PIPE
121	C.I. Nipple (FLG-PE) 4" X 48"	1	\$144.399	\$144.399	Custom Pipe Fab FPPPCPP	\$156.50	\$156.50	US Pipe & Foundry 2S104FP0400	\$145.00	\$145.00	US PIPE FAB	\$137.85	\$137.85	US PIPE
122	C.I. Nipple (FLG-FLG) 4" X 48"	5	\$191.02	\$955.08	Custom Pipe Fab FPPPCFP	\$204.50	\$1,022.50	US Pipe & Foundry 2S104FF0400	\$191.00	\$955.00	US PIPE FAB	\$182.35	\$911.75	US PIPE
123	C.I. Nipple (FLG-PE) 6" X 12"	3	\$86.03	\$258.10	Custom Pipe Fab FPPUG	\$93.50	\$280.50	US Pipe & Foundry 2S106FP0100	\$86.00	\$258.00	US PIPE FAB	\$82.13	\$246.39	US PIPE
124	C.I. Nipple (FLG-PE) 6" X 24"	5	\$116.35	\$581.77	Custom Pipe Fab FPPPCUK	\$126.00	\$630.00	US Pipe & Foundry 2S106FP0200	\$117.00	\$585.00	US PIPE FAB	\$111.08	\$555.40	US PIPE
125	C.I. Nipple (FLG-PE) 6" X 36"	1	\$146.673	\$146.673	Custom Pipe Fab FPPUM	\$158.75	\$158.75	US Pipe & Foundry 2S106FP0300	\$147.00	\$147.00	US PIPE FAB	\$140.02	\$140.02	US PIPE
126	C.I. Nipple (FLG-FLG) 6" X 36"	3	\$206.93	\$620.80	Custom Pipe Fab FPPUM	\$223.75	\$671.25	US Pipe & Foundry 2S106FF0300	\$207.00	\$621.00	US PIPE FAB	\$197.55	\$592.65	US PIPE
127	C.I. Nipple (FLG-PE) 6" X 60"	1	\$207.313	\$207.313	Custom Pipe Fab FPPUS	\$224.00	\$224.00	US Pipe & Foundry 2S106FP0500	\$207.00	\$207.00	US PIPE FAB	\$197.91	\$197.91	US PIPE
128	C.I. Nipple (FLG-FLG) 6" X 60"	1	\$267.574	\$267.574	Custom Pipe Fab FPPUS	\$289.50	\$289.50	US Pipe & Foundry 2S106FF0500	\$267.00	\$267.00	US PIPE FAB	\$255.44	\$255.44	US PIPE
129	C.I. Nipple (FLG-FLG) 6" X 66"	1	\$282.734	\$282.734	Custom Pipe Fab FPPPCUSG	\$305.00	\$305.00	US Pipe & Foundry 2S106FF0506	\$282.00	\$282.00	US PIPE FAB	\$269.91	\$269.91	US PIPE
130	C.I. Nipple (FLG-PE) 6" X 72"	1	\$237.63	\$237.63	Custom Pipe Fab FPPUU	\$257.00	\$257.00	US Pipe & Foundry 2S106FF0600	\$238.00	\$238.00	US PIPE FAB	\$226.85	\$226.85	US PIPE
131	C.I. Nipple (FLG-FLG) 6" X 78"	1	\$313.05	\$313.054	Custom Pipe Fab FPPPCUUG	\$338.00	\$338.00	US Pipe & Foundry 2S106FF0606	\$313.00	\$313.00	US PIPE FAB	\$295.84	\$295.84	US PIPE
132	C.I. Nipple (FLG-PE) 8" X 12"	2	\$125.45	\$250.90	Custom Pipe Fab FPPXG	\$135.80	\$271.60	US Pipe & Foundry 2S108FP0100	\$126.00	\$252.00	US PIPE FAB	\$119.76	\$239.52	US PIPE
133	C.I. Nipple (FLG-PE) 8" X 36"	3	\$210.35	\$631.04	Custom Pipe Fab FPPXM	\$228.00	\$684.00	US Pipe & Foundry 2S108FF0300	\$210.00	\$630.00	US PIPE FAB	\$200.80	\$602.40	US PIPE
134	C.I. Nipple (FLG-FLG) 8" X 36"	5	\$300.93	\$1,504.63	Custom Pipe Fab FPPXM	\$325.00	\$1,625.00	US Pipe & Foundry 2S108FF0300	\$300.00	\$1,500.00	US PIPE FAB	\$287.28	\$1,436.40	US PIPE

