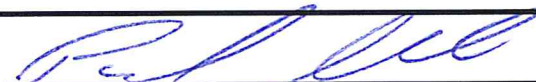


Project Name: 2023 Annual Water Main Replacement Project Project Number: 2023-10 Bid Date: August 30, 2023 Time: 10:00 a.m. Fund: Public Works Water Capital Organization Code: 81808118 Object Code: 488800				Engineer's Estimate City Engineering Division		Burdick Plumbing & Heating Co., Inc. 1175 N. 20th St. Decatur, IL 62525 Contact Person Jared Burdick 217 429 2385 jared@burdickplumbing.com		A & R Mechanical Services Inc 711 East Kettering Park Dr. Urbana, IL 61801 Contact Person Justin Weidner, Vice President 217 367 4227 jweidner@ar-mech.com	
Item Number	Pay Item	Quantity	Unit	Unit Price	Total	Unit Price	Total	Unit Price	Total
56102900	4 INCH POLYWRAPPED D.I.P. WATER MAIN	6	FEET	\$50.00	\$300.00	\$100.00	\$600.00	\$264.13	\$1,584.78
56103000	6 INCH POLYWRAPPED D.I.P. WATER MAIN	1,280	FEET	\$70.00	\$89,600.00	\$70.00	\$89,600.00	\$93.09	\$119,155.20
56103100	8 INCH POLYWRAPPED D.I.P. WATER MAIN	1,940	FEET	\$80.00	\$155,200.00	\$76.00	\$147,440.00	\$100.96	\$195,862.40
56103200	10 INCH POLYWRAPPED D.I.P. WATER MAIN	3	FEET	\$90.00	\$270.00	\$200.00	\$600.00	\$648.82	\$1,946.46
56103300	12 INCH PLOYWRAPPED D.I.P. WATER MAIN	4,820	FEET	\$100.00	\$482,000.00	\$87.00	\$419,340.00	\$137.13	\$660,966.60
56109108	12 INCH X 8 INCH TAPPING SLEEVE AND VALVE, MJ,	1	EACH	\$8,000.00	\$8,000.00	\$4,000.00	\$4,000.00	\$6,866.49	\$6,866.49
56109106	12 INCH X 6 INCH TAPPING SLEEVE AND VALVE, MJ,	1	EACH	\$9,000.00	\$9,000.00	\$3,900.00	\$3,900.00	\$5,710.16	\$5,710.16
56109010	10 INCH X 10 INCH TAPPING SLEEVE AND VALVE, MJ,	1	EACH	\$9,000.00	\$9,000.00	\$4,000.00	\$4,000.00	\$8,877.28	\$8,877.28
56108806	6 INCH X 6 INCH TAPPING SLEEVE AND VALVE, MJ,	1	EACH	\$9,000.00	\$9,000.00	\$3,000.00	\$3,000.00	\$5,601.96	\$5,601.96
X5610752	12 INCH LINE STOP	1	EACH	\$20,000.00	\$20,000.00	\$10,000.00	\$10,000.00	\$12,755.24	\$12,755.24
56100066	12 INCH X 12 INCH CROSS, MJ	1	EACH	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00	\$1,377.41	\$1,377.41
56105200	12 INCH VALVE, MJ WITH VALVE BOX	6	EACH	\$5,000.00	\$30,000.00	\$3,500.00	\$21,000.00	\$4,278.45	\$25,670.70
56109404	12 INCH 45 DEGREE BENDS, MJ	20	EACH	\$1,000.00	\$20,000.00	\$1,000.00	\$20,000.00	\$676.01	\$13,520.20
56100055	12 INCH X 8 INCH TEE, MJ	2	EACH	\$900.00	\$1,800.00	\$1,300.00	\$2,600.00	\$866.31	\$1,732.62
56100050	12 INCH X 6 INCH TEE, MJ	30	EACH	\$800.00	\$24,000.00	\$1,200.00	\$36,000.00	\$736.08	\$22,082.40
X0324930	12 INCH SLEEVE, MJ	2	EACH	\$800.00	\$1,600.00	\$1,000.00	\$2,000.00	\$647.89	\$1,295.78
56104100	12 INCH GRIP RING ACCESSORY KITS	118	EACH	\$400.00	\$47,200.00	\$300.00	\$35,400.00	\$240.27	\$28,351.86
56104101	12 INCH FIELDLOCK GASKETS	110	EACH	\$350.00	\$38,500.00	\$200.00	\$22,000.00	\$249.22	\$27,414.20
56101162	12 INCH X 10 INCH REDUCER, MJ	1	EACH	\$900.00	\$900.00	\$800.00	\$800.00	\$545.65	\$545.65
56104000	10 INCH GRIP RING ACCESSORY KITS	2	EACH	\$300.00	\$600.00	\$300.00	\$600.00	\$224.88	\$449.76
56105000	8 INCH VALVE, MJ WITH VALVE BOX	4	EACH	\$4,000.00	\$16,000.00	\$2,500.00	\$10,000.00	\$2,438.07	\$9,752.28
56109434	8 INCH 90 DEGREE BENDS, MJ	1	EACH	\$800.00	\$800.00	\$800.00	\$800.00	\$520.09	\$520.09
56109420	8 INCH 45 DEGREE BENDS, MJ	2	EACH	\$800.00	\$1,600.00	\$800.00	\$1,600.00	\$483.02	\$966.04
56109408	8 INCH 22.5 DEGREE BENDS, MJ	1	EACH	\$800.00	\$800.00	\$800.00	\$800.00	\$479.19	\$479.19
56109400	8 INCH 11.25 DEGREE BENDS, MJ	3	EACH	\$800.00	\$2,400.00	\$800.00	\$2,400.00	\$463.85	\$1,391.55
56103900	8 INCH GRIP RING ACCESSORY KITS	54	EACH	\$300.00	\$16,200.00	\$200.00	\$10,800.00	\$131.64	\$7,108.56
56103901	8 INCH FIELDLOCK GASKETS	58	EACH	\$250.00	\$14,500.00	\$150.00	\$8,700.00	\$175.09	\$10,155.22
56101150	8 INCH X 6 INCH REDUCER, MJ	1	EACH	\$800.00	\$800.00	\$700.00	\$700.00	\$435.73	\$435.73
56100015	8 INCH X 6 INCH TEE, MJ	14	EACH	\$800.00	\$11,200.00	\$1,000.00	\$14,000.00	\$608.27	\$8,515.78
X0324931	8 INCH SLEEVE, MJ	1	EACH	\$400.00	\$400.00	\$800.00	\$800.00	\$522.64	\$522.64
56104900	6 INCH VALVE, MJ WITH VALVE BOX	57	EACH	\$3,500.00	\$199,500.00	\$2,000.00	\$114,000.00	\$1,706.82	\$97,288.74
56109432	6 INCH 90 DEGREE BENDS, MJ	1	EACH	\$600.00	\$600.00	\$700.00	\$700.00	\$457.46	\$457.46
56109418	6 INCH 45 DEGREE BENDS, MJ	27	EACH	\$600.00	\$16,200.00	\$700.00	\$18,900.00	\$430.62	\$11,626.74
56109407	6 INCH 22.5 DEGREE BENDS, MJ	6	EACH	\$600.00	\$3,600.00	\$700.00	\$4,200.00	\$420.40	\$2,522.40
56109398	6 INCH 11.25 DEGREE BENDS, MJ	7	EACH	\$600.00	\$4,200.00	\$700.00	\$4,900.00	\$425.51	\$2,978.57
56100005	6 INCH X 6 INCH TEE, MJ	13	EACH	\$800.00	\$10,400.00	\$900.00	\$11,700.00	\$549.48	\$7,143.24
56101146	6 INCH X 4 INCH REDUCER, MJ	1	EACH	\$500.00	\$500.00	\$600.00	\$600.00	\$398.67	\$398.67
56103800	6 INCH GRIP RING ACCESSORY KITS	336	EACH	\$250.00	\$84,000.00	\$175.00	\$58,800.00	\$92.02	\$30,918.72

Project Name: 2023 Annual Water Main Replacement Project Project Number: 2023-10 Bid Date: August 30, 2023 Time: 10:00 a.m. Fund: Public Works Water Capital Organization Code: 81808118 Object Code: 488800				Engineer's Estimate City Engineering Division		Burdick Plumbing & Heating Co., Inc. 1175 N. 20th St. Decatur, IL 62525 Contact Person Jared Burdick 217 429 2385 jared@burdickplumbing.com		A & R Mechanical Services Inc 711 East Kettering Park Dr. Urbana, IL 61801 Contact Person Justin Weidner, Vice President 217 367 4227 jweidner@ar-mech.com	
Item Number	Pay Item	Quantity	Unit	Unit Price	Total	Unit Price	Total	Unit Price	Total
56103801	6 INCH FIELDLOCK GASKETS	29	EACH	\$200.00	\$5,800.00	\$150.00	\$4,350.00	\$129.08	\$3,743.32
X0324932	6 INCH SLEEVE, MJ	24	EACH	\$600.00	\$14,400.00	\$700.00	\$16,800.00	\$444.68	\$10,672.32
X0100017	6 INCH CAP/PLUG, MJ	2	EACH	\$350.00	\$700.00	\$600.00	\$1,200.00	\$466.41	\$932.82
56400601	6 INCH ANCHOR COUPLING	18	EACH	\$1,200.00	\$21,600.00	\$700.00	\$12,600.00	\$596.77	\$10,741.86
56400602	6 INCH OFFSET NIPPLE	3	EACH	\$1,000.00	\$3,000.00	\$750.00	\$2,250.00	\$619.77	\$1,859.31
56104800	4 INCH VALVE, MJ WITH VALVE BOX	1	EACH	\$2,500.00	\$2,500.00	\$1,750.00	\$1,750.00	\$1,530.65	\$1,530.65
56103701	4 INCH GRIP RING ACCESSORY KITS	5	EACH	\$150.00	\$750.00	\$150.00	\$750.00	\$76.68	\$383.40
X0324933	4 INCH SLEEVE, MJ	1	EACH	\$350.00	\$350.00	\$500.00	\$500.00	\$392.28	\$392.28
56400605	FIRE HYDRANT, 4.5' BURY	20	EACH	\$4,500.00	\$90,000.00	\$5,000.00	\$100,000.00	\$6,326.97	\$126,539.40
56400610	FIRE HYDRANT, 5.0' BURY	12	EACH	\$5,000.00	\$60,000.00	\$5,400.00	\$64,800.00	\$6,352.53	\$76,230.36
56200760	2 INCH x 60 FT WATER SERVICE (LONG) W/CORP &	2	EACH	\$10,000.00	\$20,000.00	\$7,000.00	\$14,000.00	\$7,069.76	\$14,139.52
56200320	1 INCH X 20 FT WATER SERVICE (SHORT) W/CORP &	24	EACH	\$3,000.00	\$72,000.00	\$3,000.00	\$72,000.00	\$6,405.53	\$153,732.72
56200350	1 INCH X 50 FT WATER SERVICE (LONG) W/CORP &	51	EACH	\$3,500.00	\$178,500.00	\$3,500.00	\$178,500.00	\$4,322.49	\$220,446.99
56400500	REMOVE FIRE HYDRANT AND ABANDON EXISTING	12	EACH	\$1,500.00	\$18,000.00	\$1,050.00	\$12,600.00	\$945.92	\$11,351.04
X563006	ABANDON EXISTING VALVE (REMOVE VALVE BOX)	19	EACH	\$1,000.00	\$19,000.00	\$775.00	\$14,725.00	\$132.52	\$2,517.88
56108100	CUT AND CAP EXISTING 4 INCH MAIN	1	EACH	\$2,000.00	\$2,000.00	\$1,700.00	\$1,700.00	\$2,001.76	\$2,001.76
56108200	CUT AND CAP EXISTING 6 INCH MAIN	26	EACH	\$2,000.00	\$52,000.00	\$1,400.00	\$36,400.00	\$2,042.66	\$53,109.16
56108400	CUT AND CAP EXISTING 10 INCH MAIN	2	EACH	\$2,500.00	\$5,000.00	\$3,000.00	\$6,000.00	\$2,196.02	\$4,392.04
56108500	CUT AND CAP EXISTING 12 INCH MAIN	2	EACH	\$3,000.00	\$6,000.00	\$3,725.00	\$7,450.00	\$2,308.49	\$4,616.98
20800150	TRENCH BACKFILL	5,220	CY YD	\$80.00	\$417,600.00	\$80.00	\$417,600.00	\$89.41	\$466,720.20
44213200	PAVEMENT SAW CUTS	17,060	FEET	\$4.00	\$68,240.00	\$6.25	\$106,625.00	\$4.58	\$78,134.80
44000600	5 INCH SIDEWALK REMOVAL	650	SQ FT	\$5.00	\$3,250.00	\$3.50	\$2,275.00	\$2.95	\$1,917.50
42400200	5 INCH PORTLAND CEMENT CONCRETE SIDEWALK	650	SQ FT	\$25.00	\$16,250.00	\$20.00	\$13,000.00	\$16.12	\$10,478.00
44000500	CURB AND GUTTER REMOVAL AND REPLACEMENT	500	FEET	\$200.00	\$100,000.00	\$150.00	\$75,000.00	\$69.95	\$34,975.00
59300100	CONTROLLED LOW STRENGTH MATERIAL	100	CU YD	\$250.00	\$25,000.00	\$125.00	\$12,500.00	\$117.28	\$11,728.00
X4060205	TEMPORARY PATCHES, 2 INCH	1,000	SQ YD	\$80.00	\$80,000.00	\$90.00	\$90,000.00	\$63.41	\$63,410.00
44201701	CLASS D PATCHES, 5 INCH PAVEMENT	3,360	SQ YD	\$175.00	\$588,000.00	\$105.00	\$352,800.00	\$139.15	\$467,544.00
44200929	CLASS B PATCHES, SPECIAL, TY IV, 10 INCH	2,100	SQ YD	\$150.00	\$315,000.00	\$121.50	\$255,150.00	\$124.11	\$260,631.00
44213206	NO. 6 TIE BARS	1,280	EACH	\$10.00	\$12,800.00	\$18.50	\$23,680.00	\$17.08	\$21,862.40
44201298	NO. 12 DOWEL BARS	12	EACH	\$20.00	\$240.00	\$45.00	\$540.00	\$22.28	\$267.36
44000200	DRIVEWAY PAVEMENT REMOVAL	200	SQ YD	\$25.00	\$5,000.00	\$25.00	\$5,000.00	\$28.35	\$5,670.00
44200901	CONCRETE DRIVEWAY REPLACEMENT, 6 INCH	100	SQ YD	\$110.00	\$11,000.00	\$137.00	\$13,700.00	\$206.20	\$20,620.00
44201681	ASPHALT DRIVEWAY REPLACEMENT	100	SQ YD	\$125.00	\$12,500.00	\$168.00	\$16,800.00	\$201.32	\$20,132.00
28000250	TEMPORARY EROSION CONTROL, SEEDING	30	LB	\$10.00	\$300.00	\$35.00	\$1,050.00	\$23.74	\$712.20
28000400	TEMPORARY EROSION CONTROL, PERIMETER	300	FEET	\$5.00	\$1,500.00	\$6.00	\$1,800.00	\$3.90	\$1,170.00
25000100	SEEDING, CLASS 1 (LAWN MIXTURE) (100 LB/ACRE)	20	LB	\$100.00	\$2,000.00	\$500.00	\$10,000.00	\$33.17	\$663.40
25000500	PHOSPHORUS FERTILIZER NUTRIENT (90 LB/ACRE)	16	LB	\$10.00	\$160.00	\$35.00	\$560.00	\$3.77	\$60.32
25000600	POTASSIUM FERTILIZER NUTRIENT (90 LB/ACRE)	16	LB	\$10.00	\$160.00	\$35.00	\$560.00	\$3.77	\$60.32

Project Name: 2023 Annual Water Main Replacement Project Project Number: 2023-10 Bid Date: August 30, 2023 Time: 10:00 a.m. Fund: Public Works Water Capital Organization Code: 81808118 Object Code: 488800				Engineer's Estimate City Engineering Division		Burdick Plumbing & Heating Co., Inc. 1175 N. 20th St. Decatur, IL 62525 Contact Person Jared Burdick 217 429 2385 jared@burdickplumbing.com		A & R Mechanical Services Inc 711 East Kettering Park Dr. Urbana, IL 61801 Contact Person Justin Weidner, Vice President 217 367 4227 jweidner@ar-mech.com	
Item Number	Pay Item	Quantity	Unit	Unit Price	Total	Unit Price	Total	Unit Price	Total
25000400	NITROGEN FERTILIZER NUTRIENT (90 LB/ACRE)	16	LB	\$10.00	\$160.00	\$35.00	\$560.00	\$3.77	\$60.32
25100105	MULCH, METHOD 2 (2 TONS/ACRE)	0	TON	\$1,400.00	\$560.00	\$20,000.00	\$8,000.00	\$5,154.79	\$2,061.92
X0327678	EXPLORATION EXCAVATIONS	40	EACH	\$700.00	\$28,000.00	\$800.00	\$32,000.00	\$1,337.95	\$53,518.00
56102000	12 INCH CASINGS	40	FEET	\$120.00	\$4,800.00	\$120.00	\$4,800.00	\$159.81	\$6,392.40
51602001	16 INCH CASINGS	220	FEET	\$160.00	\$35,200.00	\$150.00	\$33,000.00	\$194.26	\$42,737.20
70100010	TRAFFIC CONTROL	1	L SUM	\$75,000.00	\$75,000.00	\$80,000.00	\$80,000.00	\$85,806.23	\$85,806.23
67100100	MOBILIZATION	1	L SUM	\$75,000.00	\$75,000.00	\$130,000.00	\$130,000.00	\$49,309.84	\$49,309.84
Z0009000	ALTERATIONS, CANCELLATIONS, EXTENSIONS,	1	L SUM	\$375,000.00	\$375,000.00	\$375,000.00	\$375,000.00	\$375,000.00	\$375,000.00
Alternate A									
56103000	6 INCH POLYWRAPPED DIP WATER MAIN	20	FEET	\$70.00	\$1,400.00	\$300.00	\$6,000.00	\$192.55	\$3,851.00
56103800	6 INCH TR FLEX DIP Water MAIN	140	FEET	\$125.00	\$17,500.00	\$300.00	\$42,000.00	\$96.21	\$13,469.40
X0067300	12 INCH STEEL CASING PIPE BORED AND JACKED	120	FEET	\$750.00	\$90,000.00	\$600.00	\$72,000.00	\$962.82	\$115,538.40
56104900	6 INCH VALVE, MJ WITH VALVE BOX	2	EA	\$3,500.00	\$7,000.00	\$2,000.00	\$4,000.00	\$1,688.83	\$3,377.66
56109418	6 INCH 45 DEGREE BENDS, MJ	4	EA	\$600.00	\$2,400.00	\$1,000.00	\$4,000.00	\$409.61	\$1,638.44
X0324932	6 INCH SLEEVE, MJ	2	EA	\$600.00	\$1,200.00	\$1,000.00	\$2,000.00	\$423.63	\$847.26
56103800	6INCH GRIP RINGS ACCESSORY KITS	12	EA	\$250.00	\$3,000.00	\$300.00	\$3,600.00	\$122.39	\$1,468.68
56103801	6 INCH FIELDLOCK GASKETS	10	EA	\$200.00	\$2,000.00	\$200.00	\$2,000.00	\$128.76	\$1,287.60
56108200	CUT AND CAP EXISTING 6 INCH MAIN	2	EA	\$2,000.00	\$4,000.00	\$3,000.00	\$6,000.00	\$445.31	\$890.62
20800150	TRENH BACKFILL	160	CU YDS	\$80.00	\$12,800.00	\$100.00	\$16,000.00	\$89.44	\$14,310.40
44213200	PAVEMENT SAW CUTS	160	FEET	\$4.00	\$640.00	\$20.00	\$3,200.00	\$3.71	\$593.60
44201701	CLASS D PATCHES, 5 INCH PAVEMENT	60	SQ YDS	\$175.00	\$10,500.00	\$280.00	\$16,800.00	\$327.93	\$19,675.80
59300100	CONTROLLED LOW STRENGTH MATERIAL	40	CU YDS	\$120.00	\$4,800.00	\$98.00	\$3,920.00	\$138.92	\$5,556.80
X0325088	PLACEMENT OF CEMENT GROUT	10	CU YDS	\$1,000.00	\$10,000.00	\$450.00	\$4,500.00	\$276.41	\$2,764.10
	ALLOWANCE FOR RAILROAD EXPENSES	1	LSUM	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00
TOTAL					\$197,240.00		\$216,020.00		\$215,269.76
TOTAL BIDS (AS CORRECTED)					\$4,156,990.00		\$3,699,655.00		\$4,115,926.01
Percent Over Under ENGINEER'S ESTIMATE							-11.00%		-0.99%
TOTAL ALTERNATE A (AS CORRECTED)					\$197,240.00		\$216,020.00		\$215,269.76
TOTAL BASE BID + ALTERNATE A (AS CORRECTED)									
Percent Over Under ENGINEER'S ESTIMATE					\$4,354,230.00		\$3,915,675.00		\$4,331,194.75


Paul E. Caswell, P.E., City Engineer

9/11/2023
Date