

Project Name: 2021 Annual Water Main Replacement Project, Bay Shore and
 Greenswich Areas
 Project Number: 2021-10
 Bid Date: April 7, 2021
 Time: 10:00 a.m.
 Fund: Water Non Lake Capital
 Organization Code: 81808118
 Object Code: 488800

Engineer's Estimate
 City Engineering Division

Burdick Plumbing & Heating
 1175 N 20th
 PO Box 496
 Decatur, IL 62525

Item Number	Pay Item	Quantity	Unit	Unit Price	Total	Unit Price	Total
56103000	6 INCH POLYWRAPPED D.I.P. WATER MAIN	5,530	Feet	\$35.00	\$193,550.00	\$35.00	\$193,550.00
56103100	8 INCH POLYWRAPPED D.I.P. WATER MAIN	8,080	Feet	\$45.00	\$363,600.00	\$40.00	\$323,200.00
56103300	12 INCH POLYWRAPPED D.I.P. WATER MAIN	2,400	Feet	\$110.00	\$264,000.00	\$48.00	\$115,200.00
56101110	20 INCH POLYWRAPPED D.I.P. WATER MAIN	20	Feet	\$190.00	\$3,800.00	\$300.00	\$6,000.00
56103520	24 INCH POLYWRAPPED D.I.P. WATER MAIN	20	Feet	\$200.00	\$4,000.00	\$350.00	\$7,000.00
56103110	8 INCH HDPE BORED WATER MAIN	360	Feet	\$250.00	\$90,000.00	\$300.00	\$108,000.00
56103210	10 INCH HDPE BORED WATER MAIN	150	Feet	\$275.00	\$41,250.00	\$350.00	\$52,500.00
56103111	8 INCH HDPE TO 8 INCH DIP COUPLINGS	4	Ea	\$500.00	\$2,000.00	\$2,000.00	\$8,000.00
56103211	10 INCH HDPE TO 10 INCH DIP COUPLINGS	2	Ea	\$500.00	\$1,000.00	\$3,000.00	\$6,000.00
56108800	16 INCH X 6 INCH TAPPING SLEEVE AND VALVE, MJ, W/VALVE BOX	2	Ea	\$10,000.00	\$20,000.00	\$10,000.00	\$20,000.00
56108900	16 INCH X 8 INCH TAPPING SLEEVE AND VALVE, MJ, W/VALVE BOX	1	Ea	\$12,000.00	\$12,000.00	\$11,000.00	\$11,000.00
56109100	12 INCH X 12 INCH TAPPING SLEEVE AND VALVE, MJ, W/VALVE BOX	1	Ea	\$12,000.00	\$12,000.00	\$8,000.00	\$8,000.00
56105420	24 INCH SIDE OPERATOR VALVE W/ 2 VALVE BOXES	1	Ea	\$25,000.00	\$25,000.00	\$30,000.00	\$30,000.00
56103001	24 INCH GRIP RING ACCESSORY KITS	6	Ea	\$1,000.00	\$6,000.00	\$1,500.00	\$9,000.00
56104320	24 INCH SLEEVE, MJ	2	Ea	\$2,800.00	\$5,600.00	\$1,800.00	\$3,600.00
X5610764	24 INCH LINE STOP	2	Ea	\$27,500.00	\$55,000.00	\$22,000.00	\$44,000.00
56105410	20 INCH SIDE OPERATOR VALVE W/ 2 VALVE BOXES	1	Ea	\$24,000.00	\$24,000.00	\$23,000.00	\$23,000.00
56103001	20 INCH GRIP RING ACCESSORY KITS	6	Ea	\$1,000.00	\$6,000.00	\$1,300.00	\$7,800.00
56104310	20 INCH SLEEVE, MJ, OVERSIZED CAST & EXTRA LONG	2	Ea	\$2,800.00	\$5,600.00	\$3,000.00	\$6,000.00
56105200	12 INCH VALVE, MJ WITH VALVE BOX	3	Ea	\$6,500.00	\$19,500.00	\$4,500.00	\$13,500.00
56109424	12 INCH 45 DEGREE BENDS, MJ	4	Ea	\$1,500.00	\$6,000.00	\$1,300.00	\$5,200.00
56109404	12 INCH 11.25 DEGREE BENDS, MJ	2	Ea	\$1,500.00	\$3,000.00	\$1,300.00	\$2,600.00
56100055	12 INCH X 8 INCH TEE, MJ	2	Ea	\$1,000.00	\$2,000.00	\$1,500.00	\$3,000.00
56100050	12 INCH X 6 INCH TEE, MJ	6	Ea	\$1,000.00	\$6,000.00	\$1,400.00	\$8,400.00
X0327720	12 INCH CAP/PLUG, MJ	3	Ea	\$1,200.00	\$3,600.00	\$700.00	\$2,100.00
56100050	12 INCH SLEEVE, MJ	1	Ea	\$800.00	\$800.00	\$1,300.00	\$1,300.00
56103301	12 INCH GRIP RING ACCESSORY KITS	40	Ea	\$300.00	\$12,000.00	\$300.00	\$12,000.00
56103302	12 INCH FIELDLOCK GASKETS	36	Ea	\$200.00	\$7,200.00	\$250.00	\$9,000.00
56101156	10 INCH X 8 INCH REDUCER, MJ	2	Ea	\$1,000.00	\$2,000.00	\$1,000.00	\$2,000.00
56105000	8 INCH VALVE, MJ WITH VALVE BOX	10	Ea	\$3,500.00	\$35,000.00	\$3,750.00	\$37,500.00
56109420	8 INCH 45 DEGREE BENDS, MJ	8	Ea	\$500.00	\$4,000.00	\$600.00	\$4,800.00
56109408	8 INCH 22.5 DEGREE BENDS, MJ	8	Ea	\$500.00	\$4,000.00	\$600.00	\$4,800.00
56109400	8 INCH 11.25 DEGREE BENDS, MJ	4	Ea	\$500.00	\$2,000.00	\$600.00	\$2,400.00
56100020	8 INCH X 8 INCH TEE, MJ	2	Ea	\$1,000.00	\$2,000.00	\$1,000.00	\$2,000.00
56103101	8 INCH GRIP RING ACCESSORY KITS	124	Ea	\$250.00	\$31,000.00	\$275.00	\$34,100.00
56103102	8 INCH FIELDLOCK GASKETS	142	Ea	\$175.00	\$24,850.00	\$200.00	\$28,400.00
X1200129	8 INCH SLEEVES, MJ	4	Ea	\$500.00	\$2,000.00	\$600.00	\$2,400.00
X5610001	8 INCH X 6 INCH CROSS, MJ	1	Ea	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00
56101150	8 INCH X 6 INCH REDUCER, MJ	4	Ea	\$500.00	\$2,000.00	\$600.00	\$2,400.00
56100015	8 INCH X 6 INCH TEE, MJ	28	Ea	\$900.00	\$25,200.00	\$900.00	\$25,200.00
X0327719	8 INCH CAP/PLUG, MJ	1	Ea	\$400.00	\$400.00	\$500.00	\$500.00
56104900	6 INCH VALVE, MJ WITH VALVE BOX	54	Ea	\$2,500.00	\$135,000.00	\$3,000.00	\$162,000.00
56109418	6 INCH 45 DEGREE BENDS, MJ	11	Ea	\$450.00	\$4,950.00	\$500.00	\$5,500.00
56109407	6 INCH 22.5 DEGREE BENDS, MJ	8	Ea	\$450.00	\$3,600.00	\$500.00	\$4,000.00
56109398	6 INCH 11.25 DEGREE BENDS, MJ	5	Ea	\$450.00	\$2,250.00	\$500.00	\$2,500.00
56100005	6 INCH X 6 INCH TEE, MJ	15	Ea	\$800.00	\$12,000.00	\$800.00	\$12,000.00
X0100017	6 INCH CAP/PLUG, MJ	9	Ea	\$350.00	\$3,150.00	\$400.00	\$3,600.00

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56103001	6 INCH GRIP RING ACCESSORY KITS	276	Ea	\$175.00	\$48,300.00	\$200.00	\$55,200.00
56103002	6 INCH FIELDLOCK GASKETS	142	Ea	\$100.00	\$14,200.00	\$125.00	\$17,750.00
X1200020	6 INCH SLEEVE, MJ	9	Ea	\$400.00	\$3,600.00	\$500.00	\$4,500.00
X0100017	6 INCH ANCHOR COUPLING	1	Ea	\$500.00	\$500.00	\$1,000.00	\$1,000.00
X0100017	6 INCH OFFSET NIPPLE	4	Ea	\$500.00	\$2,000.00	\$800.00	\$3,200.00
56400600	FIRE HYDRANT, 4.5' BURY	34	Ea	\$3,500.00	\$119,000.00	\$3,900.00	\$132,600.00
56400610	FIRE HYDRANT, 5.5' BURY	10	Ea	\$4,500.00	\$45,000.00	\$4,100.00	\$41,000.00
X5620030	1 INCH X 20 FT WATER SERVICE (SHORT) W/CORP & CURB STOP, TYPE II	38	Ea	\$2,100.00	\$79,800.00	\$2,150.00	\$81,700.00
X5620096	1 INCH X 20 FT WATER SERVICE (SHORT) W/CORP & CURB STOP, BORED, TYPE II	29	Ea	\$2,800.00	\$81,200.00	\$3,350.00	\$97,150.00
X5620097	1 INCH X 50 FT WATER SERVICE (LONG) W/CORP & CURB STOP, BORED, TYPE II	169	Ea	\$3,600.00	\$608,400.00	\$3,500.00	\$591,500.00
X0327078	REMOVE FIRE HYDRANT AND ABANDON EXISTING VALVE	17	Ea	\$1,200.00	\$20,400.00	\$1,200.00	\$20,400.00
56109210	ABANDON EXISTING VALVE (REMOVE VALVE BOX)	21	Ea	\$1,000.00	\$21,000.00	\$1,000.00	\$21,000.00
X5630006	CUT AND CAP EXISTING 6" MAIN	9	Ea	\$3,000.00	\$27,000.00	\$1,900.00	\$17,100.00
X5630008	CUT AND CAP EXISTING 8" MAIN	1	Ea	\$3,000.00	\$3,000.00	\$2,500.00	\$2,500.00
X5630012	CUT AND CAP EXISTING 12" MAIN	1	Ea	\$3,500.00	\$3,500.00	\$3,000.00	\$3,000.00
20800150	TRENCH BACKFILL	7,205	Cu Yds	\$45.00	\$324,225.00	\$60.00	\$432,300.00
44213200	PAVEMENT SAW CUTS	26,760	Feet	\$4.00	\$107,040.00	\$3.75	\$100,350.00
44000600	5 INCH SIDEWALK REMOVAL	4,500	Sq Ft	\$4.00	\$18,000.00	\$5.00	\$22,500.00
42400200	5 INCH PORTLAND CEMENT CONCRETE SIDEWALK REPLACEMENT	4,500	Sq Ft	\$13.00	\$58,500.00	\$16.00	\$72,000.00
44000500	CURB AND GUTTER REMOVAL AND REPLACEMENT	330	Feet	\$200.00	\$66,000.00	\$98.00	\$32,340.00
59300100	CONTROLLED LOW STRENGTH MATERIAL	40	Cu Yds	\$120.00	\$4,800.00	\$140.00	\$5,600.00
X4060205	TEMPORARY PATCHES, 2 INCH	110	Sq Yds	\$80.00	\$8,800.00	\$130.00	\$14,300.00
44200970	CLASS B PATCH, TY II, 10 INCH	10	Sq Yds	\$165.00	\$1,650.00	\$420.00	\$4,200.00
44200994	CLASS B PATCH, TY II, 12 INCH	15	Sq Yds	\$200.00	\$3,000.00	\$425.00	\$6,375.00
44212900	PARTIAL DEPTH PATCHES	10	Sq Yds	\$90.00	\$900.00	\$200.00	\$2,000.00
44201701	CLASS D PATCHES, 5 INCH PAVEMENT	7,780	Sq Yds	\$95.00	\$739,100.00	\$97.00	\$754,660.00
44000200	DRIVEWAY PAVEMENT REMOVAL	605	Sq Yds	\$10.00	\$6,050.00	\$25.00	\$15,125.00
44200901	CONCRETE DRIVEWAY REPLACEMENT, 6 INCH	520	Sq Yds	\$120.00	\$62,400.00	\$105.00	\$54,600.00
44201681	ASPHALT DRIVEWAY REPLACEMENT, 3 INCH	85	Sq Yds	\$90.00	\$7,650.00	\$135.00	\$11,475.00
44201297	1" DOWEL BARS	24	Ea	\$100.00	\$2,400.00	\$24.00	\$576.00
28000250	TEMPORARY EROSION CONTROL, SEEDING	100	LB	\$10.00	\$1,000.00	\$17.00	\$1,700.00
28000400	TEMPORARY EROSION CONTROL, PERIMETER BARRIER	600	Feet	\$5.00	\$3,000.00	\$5.00	\$3,000.00
25000100	SEEDING, CLASS 1 (LAWN MIXTURE) (100 lb/Acre)	42	LB	\$100.00	\$4,200.00	\$500.00	\$21,000.00
25000500	PHOSPHORUS FERTILIZER NUTRIENT (90 lb/Acre)	40	LB	\$10.00	\$400.00	\$12.00	\$480.00
25000600	POTASSIUM FERTILIZER NUTRIENT (90 lb/Acre)	40	LB	\$10.00	\$400.00	\$12.00	\$480.00
25000400	NITROGEN FERTILIZER NUTRIENT (90 lb/Acre)	40	LB	\$10.00	\$400.00	\$12.00	\$480.00
25100105	MULCH, METHOD 2 (2 Tons/acre)	1	Tons	\$1,400.00	\$1,400.00	\$19,000.00	\$19,000.00
X0327678	EXPLORATION EXCAVATIONS	30	Ea	\$700.00	\$21,000.00	\$800.00	\$24,000.00
X0327651	12 INCH CASINGS	540	Ft	\$180.00	\$97,200.00	\$88.00	\$47,520.00
70102620	TRAFFIC CONTROL	1	Lump Sum	\$50,000.00	\$50,000.00	\$100,000.00	\$100,000.00
67100100	MOBILIZATION	1	Lump Sum	\$100,000.00	\$100,000.00	\$138,000.00	\$138,000.00
Z0009000	ALTERATIONS, CANCELLATIONS, EXTENSIONS, DEDUCTIONS AND EXTRA WORK	1	Lump Sum	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00

TOTAL BIDS (AS CORRECTED) \$4,407,315.00
Percent Over Under ENGINEER'S ESTIMATE 2.10%


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

4/9/2021
Date