

Christopher B. Burke Engineering, Ltd.  
9575 W Higgins Road, Suite 600  
Rosemont, IL 60018

City of Zion

2021 ALLEY AND WATER MAIN IMPROVEMENTS - BASE BID

ITEM NO.	PAY ITEM DESCRIPTION	UNIT	QUANTITY	ENGINEER'S ESTIMATE		BOLDER CONTRACTORS		MAURO SEWER CONSTRUCTION, INC.		PATNICK CONSTRUCTION		DK CONTRACTORS		COPENHAVER CONSTRUCTION, INC.	
				UNIT COST	COST	UNIT COST	COST	UNIT COST	COST	UNIT COST	COST	UNIT COST	COST	UNIT COST	COST
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	60	\$ 40.00	\$ 2,400.00	\$ 90.00	\$ 5,400.00	\$ 35.00	\$ 2,100.00	\$ 30.00	\$ 1,800.00	\$ 19.00	\$ 1,140.00	\$ 30.00	\$ 1,800.00
*20800150	TRENCH BACKFILL, SPECIAL	CU YD	1,050	\$ 40.00	\$ 42,000.00	\$ 16.00	\$ 16,800.00	\$ 34.00	\$ 35,700.00	\$ 28.00	\$ 29,400.00	\$ 43.00	\$ 45,150.00	\$ 35.00	\$ 36,750.00
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	150	\$ 2.50	\$ 375.00	\$ 4.00	\$ 600.00	\$ 10.00	\$ 1,500.00	\$ 10.00	\$ 1,500.00	\$ 3.00	\$ 450.00	\$ 3.00	\$ 450.00
28000510	INLET FILTERS	EACH	5	\$ 125.00	\$ 625.00	\$ 150.00	\$ 750.00	\$ 115.00	\$ 575.00	\$ 115.00	\$ 575.00	\$ 172.00	\$ 860.00	\$ 40.00	\$ 200.00
*30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	60	\$ 40.00	\$ 2,400.00	\$ 60.00	\$ 3,600.00	\$ 75.00	\$ 4,500.00	\$ 28.00	\$ 1,680.00	\$ 60.00	\$ 3,600.00	\$ 20.00	\$ 1,200.00
*40201000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	8	\$ 250.00	\$ 2,000.00	\$ 100.00	\$ 800.00	\$ 100.00	\$ 800.00	\$ 50.00	\$ 400.00	\$ 168.00	\$ 1,344.00	\$ 100.00	\$ 800.00
40603415	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 1.5"	TON	140	\$ 80.00	\$ 11,200.00	\$ 155.00	\$ 21,700.00	\$ 124.00	\$ 17,360.00	\$ 120.00	\$ 16,800.00	\$ 114.00	\$ 15,960.00	\$ 107.25	\$ 15,015.00
40602965	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 - 6.5"	TON	800	\$ 80.00	\$ 48,000.00	\$ 95.00	\$ 57,000.00	\$ 88.00	\$ 52,800.00	\$ 140.00	\$ 84,000.00	\$ 93.00	\$ 55,800.00	\$ 85.25	\$ 51,150.00
*42400100	PORTLAND CEMENT CONCRETE PAVEMENT, 6 INCH	SQ YD	240	\$ 50.00	\$ 12,000.00	\$ 55.00	\$ 13,200.00	\$ 72.00	\$ 17,280.00	\$ 85.00	\$ 20,400.00	\$ 73.00	\$ 17,520.00	\$ 11.00	\$ 2,640.00
*42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SPECIAL	SQ FT	600	\$ 20.00	\$ 12,000.00	\$ 8.00	\$ 4,800.00	\$ 8.25	\$ 5,550.00	\$ 9.00	\$ 5,400.00	\$ 8.00	\$ 4,800.00	\$ 10.00	\$ 6,000.00
*42400800	DETECTABLE WARNINGS	SQ FT	60	\$ 20.00	\$ 1,200.00	\$ 35.00	\$ 2,100.00	\$ 45.00	\$ 2,700.00	\$ 110.00	\$ 6,600.00	\$ 31.00	\$ 1,860.00	\$ 29.00	\$ 1,740.00
*44000100	PAVEMENT REMOVAL	SQ YD	1,500	\$ 20.00	\$ 30,000.00	\$ 8.00	\$ 12,000.00	\$ 11.00	\$ 16,500.00	\$ 5.00	\$ 7,500.00	\$ 9.00	\$ 13,500.00	\$ 15.00	\$ 22,500.00
44000600	SIDEWALK REMOVAL	SQ FT	600	\$ 10.00	\$ 6,000.00	\$ 2.00	\$ 1,200.00	\$ 1.50	\$ 900.00	\$ 2.50	\$ 1,500.00	\$ 2.00	\$ 1,200.00	\$ 2.00	\$ 1,200.00
*44200911	CLASS B PATCHES, 6" (SPECIAL)	SQ YD	120	\$ 70.00	\$ 8,400.00	\$ 100.00	\$ 12,000.00	\$ 123.00	\$ 14,760.00	\$ 100.00	\$ 12,000.00	\$ 126.00	\$ 15,120.00	\$ 90.00	\$ 10,800.00
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	150	\$ 60.00	\$ 9,000.00	\$ 80.00	\$ 12,000.00	\$ 120.00	\$ 18,000.00	\$ 115.00	\$ 17,250.00	\$ 72.00	\$ 10,800.00	\$ 66.00	\$ 9,900.00
*56100600	DUCTILE IRON WATER MAIN 6"	FOOT	25	\$ 100.00	\$ 2,500.00	\$ 70.00	\$ 1,750.00	\$ 69.00	\$ 1,725.00	\$ 60.00	\$ 1,500.00	\$ 97.00	\$ 2,425.00	\$ 100.00	\$ 2,500.00
*56100700	DUCTILE IRON WATER MAIN 8"	FOOT	600	\$ 110.00	\$ 66,000.00	\$ 90.00	\$ 54,000.00	\$ 93.00	\$ 55,800.00	\$ 90.00	\$ 54,000.00	\$ 72.00	\$ 43,200.00	\$ 102.00	\$ 61,200.00
*56100900	GATE VALVES 8"	EACH	2	\$ 2,000.00	\$ 4,000.00	\$ 1,500.00	\$ 3,000.00	\$ 2,850.00	\$ 5,700.00	\$ 2,080.00	\$ 4,160.00	\$ 1,260.00	\$ 2,520.00	\$ 1,800.00	\$ 3,600.00
*56400500	FIRE HYDRANTS TO BE REMOVED	EACH	2	\$ 750.00	\$ 1,500.00	\$ 450.00	\$ 900.00	\$ 350.00	\$ 700.00	\$ 300.00	\$ 600.00	\$ 847.00	\$ 1,694.00	\$ 1,200.00	\$ 2,400.00
*56400820	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	1	\$ 6,000.00	\$ 6,000.00	\$ 7,000.00	\$ 7,000.00	\$ 5,950.00	\$ 5,950.00	\$ 5,200.00	\$ 5,200.00	\$ 6,236.00	\$ 6,236.00	\$ 6,900.00	\$ 6,900.00
60206905	CATCH BASINS, TYPE C, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	4	\$ 2,000.00	\$ 8,000.00	\$ 1,800.00	\$ 7,200.00	\$ 3,000.00	\$ 12,000.00	\$ 2,500.00	\$ 10,000.00	\$ 2,565.00	\$ 10,260.00	\$ 2,900.00	\$ 11,600.00
60221100	MANHOLE, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	\$ 2,500.00	\$ 2,500.00	\$ 3,000.00	\$ 3,000.00	\$ 5,000.00	\$ 5,000.00	\$ 3,000.00	\$ 3,000.00	\$ 5,584.00	\$ 5,584.00	\$ 3,700.00	\$ 3,700.00
*60248700	VALVE VAULTS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	\$ 3,250.00	\$ 6,500.00	\$ 1,500.00	\$ 3,000.00	\$ 1,950.00	\$ 3,900.00	\$ 1,440.00	\$ 2,880.00	\$ 3,833.00	\$ 7,666.00	\$ 3,000.00	\$ 6,000.00
*60603800	COMB. CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	110	\$ 30.00	\$ 3,300.00	\$ 50.00	\$ 5,500.00	\$ 55.00	\$ 6,050.00	\$ 65.00	\$ 7,150.00	\$ 61.00	\$ 6,710.00	\$ 45.00	\$ 4,950.00
67100100	MOBILIZATION	L. SUM	1	\$ 25,000.00	\$ 25,000.00	\$ 24,000.00	\$ 24,000.00	\$ 3,950.00	\$ 3,950.00	\$ 2,500.00	\$ 2,500.00	\$ 40,731.00	\$ 40,731.00	\$ 15,000.00	\$ 15,000.00
*NA	ABANDON WATER MAIN AND APPURTENANCES	L. SUM	1	\$ 10,000.00	\$ 10,000.00	\$ 500.00	\$ 500.00	\$ 5,000.00	\$ 5,000.00	\$ 2,000.00	\$ 2,000.00	\$ 1.00	\$ 1.00	\$ 3,500.00	\$ 3,500.00
*NA	AS-BUILT DRAWINGS	L. SUM	1	\$ 5,000.00	\$ 5,000.00	\$ 500.00	\$ 500.00	\$ 3,700.00	\$ 3,700.00	\$ 1,500.00	\$ 1,500.00	\$ 2,839.00	\$ 2,839.00	\$ 1,000.00	\$ 1,000.00
*NA	CONSTRUCTION LAYOUT	L. SUM	1	\$ 7,500.00	\$ 7,500.00	\$ 6,000.00	\$ 6,000.00	\$ 6,000.00	\$ 6,000.00	\$ 3,500.00	\$ 3,500.00	\$ 2,581.00	\$ 2,581.00	\$ 12,000.00	\$ 12,000.00
*NA	DRIVEWAY REMOVAL AND REPLACEMENT	SQ YD	50	\$ 60.00	\$ 3,000.00	\$ 4,000.00	\$ 2,000.00	\$ 98.00	\$ 4,900.00	\$ 150.00	\$ 7,500.00	\$ 30.00	\$ 1,500.00	\$ 60.00	\$ 3,000.00
*NA	DUCTILE IRON WATER MAIN FITTINGS	POUND	300	\$ 3.00	\$ 900.00	\$ 15.00	\$ 4,500.00	\$ 6.50	\$ 1,950.00	\$ 0.10	\$ 30.00	\$ 5.00	\$ 1,500.00	\$ 5.00	\$ 1,500.00
*NA	PRECONSTRUCTION VIDEO TAPING	L. SUM	1	\$ 5,000.00	\$ 5,000.00	\$ 100.00	\$ 100.00	\$ 2,000.00	\$ 2,000.00	\$ 1,000.00	\$ 1,000.00	\$ 2,359.00	\$ 2,359.00	\$ 1,500.00	\$ 1,500.00
*NA	PRESSURE CONNECTION	EACH	2	\$ 6,500.00	\$ 13,000.00	\$ 2,500.00	\$ 5,000.00	\$ 4,500.00	\$ 9,000.00	\$ 5,500.00	\$ 11,000.00	\$ 4,819.00	\$ 9,638.00	\$ 4,500.00	\$ 9,000.00
*NA	SANITARY SERVICE TO BE ADJUSTED	EACH	6	\$ 1,000.00	\$ 6,000.00	\$ 600.00	\$ 3,600.00	\$ 250.00	\$ 1,500.00	\$ 200.00	\$ 1,200.00	\$ 1,274.00	\$ 7,644.00	\$ 800.00	\$ 4,800.00
*NA	CURED-IN-PLACE SEWER LINING, 8"	FOOT	525	\$ 60.00	\$ 31,500.00	\$ 62.00	\$ 32,550.00	\$ 64.00	\$ 33,600.00	\$ 66.00	\$ 34,650.00	\$ 65.00	\$ 34,125.00	\$ 72.00	\$ 37,800.00
*NA	STORM SEWER, 15"	FOOT	525	\$ 70.00	\$ 36,750.00	\$ 45.00	\$ 23,625.00	\$ 56.00	\$ 29,400.00	\$ 56.00	\$ 29,400.00	\$ 62.00	\$ 32,550.00	\$ 90.00	\$ 47,250.00
*NA	STORM SEWER (W/MQ), 15"	FOOT	50	\$ 90.00	\$ 4,500.00	\$ 120.00	\$ 6,000.00	\$ 100.00	\$ 5,000.00	\$ 85.00	\$ 4,250.00	\$ 74.00	\$ 3,700.00	\$ 125.00	\$ 6,250.00
*NA	STRUCTURES TO BE ADJUSTED	EACH	5	\$ 500.00	\$ 2,500.00	\$ 400.00	\$ 2,000.00	\$ 525.00	\$ 2,625.00	\$ 500.00	\$ 2,500.00	\$ 472.00	\$ 2,360.00	\$ 650.00	\$ 3,250.00
*NA	STRUCTURES TO BE REMOVED	EACH	5	\$ 6,000.00	\$ 30,000.00	\$ 250.00	\$ 1,250.00	\$ 300.00	\$ 1,500.00	\$ 250.00	\$ 1,250.00	\$ 709.00	\$ 3,545.00	\$ 500.00	\$ 2,500.00
*NA	SUMP PUMP CONNECTION	EACH	8	\$ 1,000.00	\$ 8,000.00	\$ 850.00	\$ 6,800.00	\$ 500.00	\$ 4,000.00	\$ 860.00	\$ 6,880.00	\$ 816.00	\$ 6,528.00	\$ 600.00	\$ 4,800.00
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L. SUM	1	\$ 20,000.00	\$ 20,000.00	\$ 35,000.00	\$ 35,000.00	\$ 10,800.00	\$ 10,800.00	\$ 9,000.00	\$ 9,000.00	\$ 2,065.00	\$ 2,065.00	\$ 23,000.00	\$ 23,000.00
*NA	VALVE BOX, 8"	EACH	2	\$ 2,000.00	\$ 4,000.00	\$ 400.00	\$ 800.00	\$ 1,000.00	\$ 2,000.00	\$ 250.00	\$ 500.00	\$ 1.00	\$ 2.00	\$ 400.00	\$ 800.00
*NA	VALVE VAULTS TO BE REMOVED	EACH	3	\$ 2,500.00	\$ 7,500.00	\$ 400.00	\$ 1,200.00	\$ 300.00	\$ 900.00	\$ 250.00	\$ 750.00	\$ 511.00	\$ 1,533.00	\$ 350.00	\$ 1,050.00
*NA	WATER MAIN CONNECTION TO EXISTING WATER MAIN (NON-PRESSURE) - DISCONNECT AND CAP EXISTING	EACH	2	\$ 4,000.00	\$ 8,000.00	\$ 2,500.00	\$ 5,000.00	\$ 2,850.00	\$ 5,700.00	\$ 4,000.00	\$ 8,000.00	\$ 2,530.00	\$ 5,060.00	\$ 2,500.00	\$ 5,000.00
*NA	WATER MAIN REMOVAL 12"	FOOT	30	\$ 15.00	\$ 450.00	\$ 17.00	\$ 510.00	\$ 20.00	\$ 600.00	\$ 15.00	\$ 450.00	\$ 14.00	\$ 420.00	\$ 10.00	\$ 300.00
*NA	WATER SERVICE REPLACEMENT WITH NEW BUFFALO BOX, 1.5" (LONG SIDE)	EACH	6	\$ 2,500.00	\$ 15,000.00	\$ 3,500.00	\$ 21,000.00	\$ 2,425.00	\$ 14,550.00	\$ 3,200.00	\$ 19,200.00	\$ 1,981.00	\$ 11,886.00	\$ 3,700.00	\$ 22,200.00
*NA	WATER SERVICE REPLACEMENT WITH NEW BUFFALO BOX, 1.5" (SHORT SIDE)	EACH	2	\$ 2,250.00	\$ 4,500.00	\$ 2,500.00	\$ 5,000.00	\$ 1,900.00	\$ 3,800.00	\$ 2,500.00	\$ 5,000.00	\$ 1,258.00	\$ 2,516.00	\$ 2,800.00	\$ 5,600.00
*INDICATES SPECIAL PROVISION				TOTAL = \$ 536,000.00		TOTAL = \$ 438,835.00		TOTAL = \$ 439,925.00		TOTAL = \$ 447,315.00		TOTAL = \$ 450,492.00		TOTAL = \$ 476,095.00	

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9575 W Higgins Road, Suite 600  
Rosemont, IL 60018

City of Zion

2021 ALLEY AND WATER MAIN IMPROVEMENTS - BASE BID

ITEM NO.	PAY ITEM DESCRIPTION	UNIT	QUANTITY	LENNY HOFFMAN EXCAVATING		BERGER EXCAVATING CONTRACTORS, INC.		CAMPANELLA & SONS, INC		JOEL KENNEDY CONSTRUCTION CORP.		PAN-OCEANIC ENGINEERING, INC.	
				UNIT COST	COST	UNIT COST	COST	UNIT COST	COST	UNIT COST	COST	UNIT COST	COST
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	60	\$ 32.00	\$ 1,920.00	\$ 60.00	\$ 3,600.00	\$ 60.50	\$ 3,630.00	\$ 48.00	\$ 2,880.00	\$ 67.16	\$ 4,029.60
*20800150	TRENCH BACKFILL, SPECIAL	CU YD	1,050	\$ 1.00	\$ 1,050.00	\$ 25.00	\$ 26,250.00	\$ 86.91	\$ 91,255.50	\$ 10.00	\$ 10,500.00	\$ 1.12	\$ 1,176.00
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	150	\$ 1.50	\$ 225.00	\$ 3.00	\$ 450.00	\$ 5.00	\$ 750.00	\$ 3.00	\$ 450.00	\$ 3.21	\$ 481.50
28000510	INLET FILTERS	EACH	5	\$ 168.00	\$ 840.00	\$ 195.00	\$ 975.00	\$ 125.00	\$ 625.00	\$ 200.00	\$ 1,000.00	\$ 155.28	\$ 776.40
*30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	60	\$ 53.00	\$ 3,180.00	\$ 68.00	\$ 4,080.00	\$ 66.12	\$ 3,967.20	\$ 58.00	\$ 3,480.00	\$ 111.45	\$ 6,687.00
*40201000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	8	\$ 262.00	\$ 2,096.00	\$ 495.00	\$ 3,960.00	\$ 366.40	\$ 2,931.20	\$ 250.00	\$ 2,000.00	\$ 173.25	\$ 1,386.00
40603415	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 1.5"	TON	140	\$ 103.00	\$ 14,420.00	\$ 155.00	\$ 21,700.00	\$ 99.94	\$ 13,991.60	\$ 98.00	\$ 13,720.00	\$ 149.13	\$ 20,878.20
40602965	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 - 6.5"	TON	600	\$ 82.00	\$ 49,200.00	\$ 95.00	\$ 57,000.00	\$ 79.44	\$ 47,664.00	\$ 78.00	\$ 46,800.00	\$ 123.34	\$ 74,004.00
*42400100	PORTLAND CEMENT CONCRETE PAVEMENT, 6 INCH	SQ YD	240	\$ 83.00	\$ 19,920.00	\$ 70.00	\$ 16,800.00	\$ 71.92	\$ 17,260.80	\$ 60.00	\$ 14,400.00	\$ 80.16	\$ 19,238.40
*42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SPECIAL	SQ FT	600	\$ 9.00	\$ 5,400.00	\$ 12.00	\$ 7,200.00	\$ 7.66	\$ 4,596.00	\$ 10.00	\$ 6,000.00	\$ 8.78	\$ 5,268.00
*42400800	DETECTABLE WARNINGS	SQ FT	60	\$ 32.00	\$ 1,920.00	\$ 45.00	\$ 2,700.00	\$ 31.50	\$ 1,890.00	\$ 50.00	\$ 3,000.00	\$ 40.31	\$ 2,418.60
*44000100	PAVEMENT REMOVAL	SQ YD	1,500	\$ 14.00	\$ 21,000.00	\$ 12.00	\$ 18,000.00	\$ 14.71	\$ 22,065.00	\$ 14.50	\$ 21,750.00	\$ 15.82	\$ 23,730.00
44000600	SIDEWALK REMOVAL	SQ FT	600	\$ 2.00	\$ 1,200.00	\$ 3.00	\$ 1,800.00	\$ 3.14	\$ 1,884.00	\$ 2.00	\$ 1,200.00	\$ 2.60	\$ 1,560.00
*44200911	CLASS B PATCHES, 6" (SPECIAL)	SQ YD	120	\$ 121.00	\$ 14,520.00	\$ 135.00	\$ 16,200.00	\$ 120.75	\$ 14,490.00	\$ 90.00	\$ 10,800.00	\$ 81.93	\$ 9,831.60
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	150	\$ 63.00	\$ 9,450.00	\$ 140.00	\$ 21,000.00	\$ 61.50	\$ 9,225.00	\$ 75.00	\$ 11,250.00	\$ 106.52	\$ 15,978.00
*56100600	DUCTILE IRON WATER MAIN 6"	FOOT	25	\$ 77.00	\$ 1,925.00	\$ 125.00	\$ 3,125.00	\$ 110.64	\$ 2,766.00	\$ 130.00	\$ 3,250.00	\$ 143.34	\$ 3,583.50
*56100700	DUCTILE IRON WATER MAIN 8"	FOOT	600	\$ 99.00	\$ 59,400.00	\$ 165.00	\$ 99,000.00	\$ 84.04	\$ 50,424.00	\$ 135.00	\$ 81,000.00	\$ 223.57	\$ 134,142.00
*56100900	GATE VALVES 8"	EACH	2	\$ 1,430.00	\$ 2,860.00	\$ 1,500.00	\$ 3,000.00	\$ 1,452.50	\$ 2,905.00	\$ 1,500.00	\$ 3,000.00	\$ 2,167.38	\$ 4,334.76
*56400500	FIRE HYDRANTS TO BE REMOVED	EACH	2	\$ 547.00	\$ 1,094.00	\$ 1,000.00	\$ 2,000.00	\$ 805.00	\$ 1,610.00	\$ 500.00	\$ 1,000.00	\$ 1,005.24	\$ 2,010.48
*56400820	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	1	\$ 5,056.00	\$ 5,056.00	\$ 5,800.00	\$ 5,800.00	\$ 4,822.50	\$ 4,822.50	\$ 12,000.00	\$ 12,000.00	\$ 7,285.61	\$ 7,285.61
60206905	CATCH BASINS, TYPE C, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	4	\$ 2,540.00	\$ 10,160.00	\$ 3,400.00	\$ 13,600.00	\$ 2,839.80	\$ 11,359.20	\$ 4,200.00	\$ 16,800.00	\$ 2,828.97	\$ 11,315.88
60221100	MANHOLE, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	\$ 3,000.00	\$ 3,000.00	\$ 4,400.00	\$ 4,400.00	\$ 3,953.60	\$ 3,953.60	\$ 4,500.00	\$ 4,500.00	\$ 5,762.08	\$ 5,762.08
*60248700	VALVE VAULTS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	\$ 2,487.00	\$ 4,974.00	\$ 4,500.00	\$ 9,000.00	\$ 3,524.05	\$ 7,048.10	\$ 4,000.00	\$ 8,000.00	\$ 4,197.24	\$ 8,394.48
*60603800	COMB. CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	110	\$ 59.00	\$ 6,490.00	\$ 66.00	\$ 7,260.00	\$ 42.00	\$ 4,620.00	\$ 48.00	\$ 5,280.00	\$ 62.68	\$ 6,894.80
67100100	MOBILIZATION	L SUM	1	\$ 30,000.00	\$ 30,000.00	\$ 9,654.08	\$ 9,654.08	\$ 8,820.00	\$ 8,820.00	\$ 35,000.00	\$ 35,000.00	\$ 33,478.53	\$ 33,478.53
*NA	ABANDON WATER MAIN AND APPURTENANCES	L SUM	1	\$ 1,920.00	\$ 1,920.00	\$ 6,000.00	\$ 6,000.00	\$ 4,237.20	\$ 4,237.20	\$ 1,000.00	\$ 1,000.00	\$ 4,075.95	\$ 4,075.95
*NA	AS-BUILT DRAWINGS	L SUM	1	\$ 3,100.00	\$ 3,100.00	\$ 2,000.00	\$ 2,000.00	\$ 1,025.00	\$ 1,025.00	\$ 500.00	\$ 500.00	\$ 4,821.47	\$ 4,821.47
*NA	CONSTRUCTION LAYOUT	L SUM	1	\$ 5,200.00	\$ 5,200.00	\$ 3,000.00	\$ 3,000.00	\$ 2,562.50	\$ 2,562.50	\$ 8,000.00	\$ 8,000.00	\$ 4,821.47	\$ 4,821.47
*NA	DRIVEWAY REMOVAL AND REPLACEMENT	SQ YD	50	\$ 49.00	\$ 2,450.00	\$ 80.00	\$ 4,000.00	\$ 105.00	\$ 5,250.00	\$ 75.00	\$ 3,750.00	\$ 101.61	\$ 5,080.50
*NA	DUCTILE IRON WATER MAIN FITTINGS	POUND	300	\$ 0.01	\$ 3.00	\$ 8.00	\$ 2,400.00	\$ 9.79	\$ 2,937.00	\$ 6.50	\$ 1,950.00	\$ 5.05	\$ 1,515.00
*NA	PRECONSTRUCTION VIDEO TAPING	L SUM	1	\$ 2,400.00	\$ 2,400.00	\$ 1,700.00	\$ 1,700.00	\$ 431.25	\$ 431.25	\$ 2,500.00	\$ 2,500.00	\$ 2,562.11	\$ 2,562.11
*NA	PRESSURE CONNECTION	EACH	2	\$ 6,975.00	\$ 13,950.00	\$ 5,400.00	\$ 10,800.00	\$ 8,281.20	\$ 16,562.40	\$ 3,200.00	\$ 6,400.00	\$ 7,209.29	\$ 14,418.58
*NA	SANITARY SERVICE TO BE ADJUSTED	EACH	6	\$ 1,000.00	\$ 6,000.00	\$ 3,000.00	\$ 18,000.00	\$ 908.70	\$ 5,452.20	\$ 750.00	\$ 4,500.00	\$ 2,779.51	\$ 16,677.06
*NA	CURED-IN-PLACE SEWER LINING, 8"	FOOT	525	\$ 66.00	\$ 34,650.00	\$ 65.00	\$ 34,125.00	\$ 110.59	\$ 58,059.75	\$ 130.00	\$ 68,250.00	\$ 134.55	\$ 70,638.75
*NA	STORM SEWER, 15"	FOOT	525	\$ 67.00	\$ 35,175.00	\$ 79.00	\$ 41,475.00	\$ 117.04	\$ 61,446.00	\$ 170.00	\$ 89,250.00	\$ 143.87	\$ 75,531.75
*NA	STORM SEWER (W/MQ), 15"	FOOT	50	\$ 95.00	\$ 4,750.00	\$ 120.00	\$ 6,000.00	\$ 101.45	\$ 5,072.50	\$ 188.00	\$ 9,400.00	\$ 147.53	\$ 7,376.50
*NA	STRUCTURES TO BE ADJUSTED	EACH	5	\$ 780.00	\$ 3,900.00	\$ 550.00	\$ 2,750.00	\$ 390.00	\$ 1,950.00	\$ 550.00	\$ 2,750.00	\$ 258.45	\$ 1,292.25
*NA	STRUCTURES TO BE REMOVED	EACH	5	\$ 693.00	\$ 3,465.00	\$ 300.00	\$ 1,500.00	\$ 286.00	\$ 1,430.00	\$ 150.00	\$ 750.00	\$ 981.46	\$ 4,907.30
*NA	SUMP PUMP CONNECTION	EACH	8	\$ 1,500.00	\$ 12,000.00	\$ 600.00	\$ 4,800.00	\$ 1,320.60	\$ 10,564.80	\$ 1,000.00	\$ 8,000.00	\$ 1,100.49	\$ 8,803.92
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1	\$ 37,699.00	\$ 37,699.00	\$ 5,000.00	\$ 5,000.00	\$ 3,895.00	\$ 3,895.00	\$ 25,000.00	\$ 25,000.00	\$ 4,260.84	\$ 4,260.84
*NA	VALVE BOX, 8"	EACH	2	\$ 452.00	\$ 904.00	\$ 450.00	\$ 900.00	\$ 820.15	\$ 1,640.30	\$ 2,000.00	\$ 4,000.00	\$ 235.47	\$ 470.94
*NA	VALVE VAULTS TO BE REMOVED	EACH	3	\$ 584.00	\$ 1,752.00	\$ 600.00	\$ 1,800.00	\$ 906.67	\$ 2,720.01	\$ 200.00	\$ 600.00	\$ 1,112.76	\$ 3,338.28
*NA	WATER MAIN CONNECTION TO EXISTING WATER MAIN (NON-PRESSURE) - DISCONNECT AND CAP EXISTING	EACH	2	\$ 5,584.00	\$ 11,168.00	\$ 7,000.00	\$ 14,000.00	\$ 3,053.45	\$ 6,106.90	\$ 5,300.00	\$ 10,600.00	\$ 8,569.07	\$ 17,138.14
*NA	WATER MAIN REMOVAL 12"	FOOT	30	\$ 17.00	\$ 510.00	\$ 57.00	\$ 1,710.00	\$ 25.67	\$ 770.10	\$ 10.00	\$ 300.00	\$ 80.91	\$ 2,427.30
*NA	WATER SERVICE REPLACEMENT WITH NEW BUFFALO BOX, 1.5" (LONG SIDE)	EACH	6	\$ 4,026.00	\$ 24,156.00	\$ 3,880.00	\$ 23,280.00	\$ 3,887.19	\$ 23,323.14	\$ 4,200.00	\$ 25,200.00	\$ 3,639.14	\$ 21,834.84
*NA	WATER SERVICE REPLACEMENT WITH NEW BUFFALO BOX, 1.5" (SHORT SIDE)	EACH	2	\$ 3,370.00	\$ 6,740.00	\$ 3,100.00	\$ 6,200.00	\$ 2,645.00	\$ 5,290.00	\$ 3,600.00	\$ 7,200.00	\$ 2,853.75	\$ 5,707.50
*INDICATES SPECIAL PROVISION				TOTAL = \$ 483,192.00		TOTAL = \$ 549,994.08		TOTAL = \$ 555,279.75		TOTAL = \$ 598,960.00		TOTAL = \$ 682,345.87	

Christopher B. Burke Engineering, Ltd.  
9575 W Higgins Road, Suite 600  
Rosemont, IL 60018

City of Zion  
2021 ALLEY AND WATER MAIN IMPROVEMENTS - ALTERNATE 1

ITEM NO.	PAY ITEM DESCRIPTION	UNIT	QUANTITY	ENGINEER'S ESTIMATE		PATNICK CONSTRUCTION		MAURO SEWER CONSTRUCTION, INC.		DK CONTRACTORS		BOLDER CONTRACTORS		COPENHAVER CONSTRUCTION, INC.	
				UNIT COST	COST	UNIT COST	COST	UNIT COST	COST	UNIT COST	COST	UNIT COST	COST	UNIT COST	COST
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	120	\$ 40.00	\$ 4,800.00	\$ 34.00	\$ 4,080.00	\$ 35.00	\$ 4,200.00	\$ 19.00	\$ 2,280.00	\$ 90.00	\$ 10,800.00	\$ 30.00	\$ 3,600.00
*20900150	TRENCH BACKFILL, SPECIAL	CU YD	2,075	\$ 40.00	\$ 83,000.00	\$ 28.00	\$ 58,100.00	\$ 34.00	\$ 70,550.00	\$ 43.00	\$ 89,225.00	\$ 16.00	\$ 33,200.00	\$ 35.00	\$ 72,625.00
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SO YD	300	\$ 2.50	\$ 750.00	\$ 10.00	\$ 3,000.00	\$ 10.00	\$ 3,000.00	\$ 3.00	\$ 900.00	\$ 4.00	\$ 1,200.00	\$ 3.00	\$ 900.00
28000510	INLET FILTERS	EACH	10	\$ 125.00	\$ 1,250.00	\$ 115.00	\$ 1,150.00	\$ 115.00	\$ 1,150.00	\$ 172.00	\$ 1,720.00	\$ 150.00	\$ 1,500.00	\$ 40.00	\$ 400.00
*30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	120	\$ 40.00	\$ 4,800.00	\$ 28.00	\$ 3,360.00	\$ 75.00	\$ 9,000.00	\$ 60.00	\$ 7,200.00	\$ 60.00	\$ 7,200.00	\$ 20.00	\$ 2,400.00
*40201000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	20	\$ 250.00	\$ 5,000.00	\$ 50.00	\$ 1,000.00	\$ 100.00	\$ 2,000.00	\$ 168.00	\$ 3,360.00	\$ 100.00	\$ 2,000.00	\$ 100.00	\$ 2,000.00
40603415	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 1.5"	TON	280	\$ 80.00	\$ 22,400.00	\$ 90.00	\$ 25,200.00	\$ 106.00	\$ 29,680.00	\$ 88.00	\$ 24,640.00	\$ 126.00	\$ 35,280.00	\$ 107.25	\$ 30,030.00
40602965	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 - 6.5"	TON	1,200	\$ 80.00	\$ 96,000.00	\$ 115.00	\$ 138,000.00	\$ 80.00	\$ 96,000.00	\$ 89.00	\$ 106,800.00	\$ 96.00	\$ 115,200.00	\$ 85.25	\$ 102,300.00
*42400100	PORTLAND CEMENT CONCRETE PAVEMENT, 6 INCH	SO YD	480	\$ 50.00	\$ 24,000.00	\$ 85.00	\$ 40,800.00	\$ 72.00	\$ 34,560.00	\$ 73.00	\$ 35,040.00	\$ 55.00	\$ 26,400.00	\$ 11.00	\$ 5,280.00
*42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SPECIAL	SO FT	600	\$ 20.00	\$ 12,000.00	\$ 9.00	\$ 5,400.00	\$ 9.25	\$ 5,550.00	\$ 8.00	\$ 4,800.00	\$ 9.00	\$ 5,400.00	\$ 10.00	\$ 6,000.00
*42400800	DETECTABLE WARNINGS	SO FT	60	\$ 20.00	\$ 1,200.00	\$ 110.00	\$ 6,600.00	\$ 45.00	\$ 2,700.00	\$ 31.00	\$ 1,860.00	\$ 35.00	\$ 2,100.00	\$ 29.00	\$ 1,740.00
*44000100	PAVEMENT REMOVAL	SO YD	3,000	\$ 20.00	\$ 60,000.00	\$ 5.00	\$ 15,000.00	\$ 11.00	\$ 33,000.00	\$ 9.00	\$ 27,000.00	\$ 11.00	\$ 33,000.00	\$ 15.00	\$ 45,000.00
44000600	SIDEWALK REMOVAL	SO FT	600	\$ 10.00	\$ 6,000.00	\$ 2.50	\$ 1,500.00	\$ 1.50	\$ 900.00	\$ 2.00	\$ 1,200.00	\$ 2.00	\$ 1,200.00	\$ 2.00	\$ 1,200.00
*44200911	CLASS B PATCHES, 6" (SPECIAL)	SQ YD	240	\$ 70.00	\$ 16,800.00	\$ 100.00	\$ 24,000.00	\$ 108.00	\$ 25,920.00	\$ 126.00	\$ 30,240.00	\$ 100.00	\$ 24,000.00	\$ 90.00	\$ 21,600.00
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	300	\$ 60.00	\$ 18,000.00	\$ 95.00	\$ 28,500.00	\$ 112.00	\$ 33,600.00	\$ 62.00	\$ 18,600.00	\$ 70.00	\$ 21,000.00	\$ 66.00	\$ 19,800.00
*56100600	DUCTILE IRON WATER MAIN 6"	FOOT	45	\$ 100.00	\$ 4,500.00	\$ 60.00	\$ 2,700.00	\$ 69.00	\$ 3,105.00	\$ 97.00	\$ 4,365.00	\$ 70.00	\$ 3,150.00	\$ 90.00	\$ 4,050.00
*56100700	DUCTILE IRON WATER MAIN 8"	FOOT	1,200	\$ 110.00	\$ 132,000.00	\$ 95.00	\$ 114,000.00	\$ 91.00	\$ 109,200.00	\$ 72.00	\$ 86,400.00	\$ 85.00	\$ 102,000.00	\$ 102.00	\$ 122,400.00
*56105000	GATE VALVES 8"	EACH	3	\$ 2,000.00	\$ 6,000.00	\$ 2,060.00	\$ 6,180.00	\$ 2,650.00	\$ 7,950.00	\$ 1,260.00	\$ 3,780.00	\$ 1,500.00	\$ 4,500.00	\$ 1,800.00	\$ 5,400.00
*56400500	FIRE HYDRANTS TO BE REMOVED	EACH	2	\$ 750.00	\$ 1,500.00	\$ 300.00	\$ 600.00	\$ 350.00	\$ 700.00	\$ 847.00	\$ 1,694.00	\$ 450.00	\$ 900.00	\$ 1,200.00	\$ 2,400.00
*56400820	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	2	\$ 6,000.00	\$ 12,000.00	\$ 5,200.00	\$ 10,400.00	\$ 6,000.00	\$ 12,000.00	\$ 6,236.00	\$ 12,472.00	\$ 7,000.00	\$ 14,000.00	\$ 6,900.00	\$ 13,800.00
60206905	CATCH BASINS, TYPE C, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	9	\$ 2,000.00	\$ 18,000.00	\$ 2,500.00	\$ 22,500.00	\$ 3,000.00	\$ 27,000.00	\$ 2,565.00	\$ 23,085.00	\$ 1,800.00	\$ 16,200.00	\$ 2,900.00	\$ 26,100.00
60218400	MANHOLE, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	\$ 2,000.00	\$ 2,000.00	\$ 3,000.00	\$ 3,000.00	\$ 3,200.00	\$ 3,200.00	\$ 5,272.00	\$ 5,272.00	\$ 2,500.00	\$ 2,500.00	\$ 3,000.00	\$ 3,000.00
60221100	MANHOLE, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	\$ 2,500.00	\$ 2,500.00	\$ 3,000.00	\$ 3,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,594.00	\$ 5,594.00	\$ 3,000.00	\$ 3,000.00	\$ 3,700.00	\$ 3,700.00
*60248700	VALVE VAULTS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3	\$ 3,250.00	\$ 9,750.00	\$ 1,440.00	\$ 4,320.00	\$ 1,950.00	\$ 5,850.00	\$ 3,833.00	\$ 11,499.00	\$ 1,500.00	\$ 4,500.00	\$ 2,600.00	\$ 7,800.00
*60603800	COMB. CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	190	\$ 30.00	\$ 5,700.00	\$ 65.00	\$ 12,350.00	\$ 55.00	\$ 10,450.00	\$ 61.00	\$ 11,590.00	\$ 50.00	\$ 9,500.00	\$ 40.00	\$ 7,600.00
67100100	MOBILIZATION	L. SUM	1	\$ 25,000.00	\$ 25,000.00	\$ 2,500.00	\$ 2,500.00	\$ 3,950.00	\$ 3,950.00	\$ 74,944.00	\$ 74,944.00	\$ 48,000.00	\$ 48,000.00	\$ 15,000.00	\$ 15,000.00
*NA	ABANDON WATER MAIN AND APPURTENANCES	L. SUM	1	\$ 10,000.00	\$ 10,000.00	\$ 2,000.00	\$ 2,000.00	\$ 8,000.00	\$ 8,000.00	\$ 1.00	\$ 1.00	\$ 500.00	\$ 500.00	\$ 3,500.00	\$ 3,500.00
*NA	AS-BUILT DRAWINGS	L. SUM	1	\$ 5,000.00	\$ 5,000.00	\$ 1,500.00	\$ 1,500.00	\$ 3,700.00	\$ 3,700.00	\$ 2,839.00	\$ 2,839.00	\$ 500.00	\$ 500.00	\$ 1,000.00	\$ 1,000.00
*NA	CONSTRUCTION LAYOUT	L. SUM	1	\$ 7,500.00	\$ 7,500.00	\$ 3,500.00	\$ 3,500.00	\$ 6,000.00	\$ 6,000.00	\$ 2,581.00	\$ 2,581.00	\$ 8,000.00	\$ 8,000.00	\$ 14,000.00	\$ 14,000.00
*NA	DRIVEWAY REMOVAL AND REPLACEMENT	SQ YD	150	\$ 60.00	\$ 9,000.00	\$ 150.00	\$ 22,500.00	\$ 96.00	\$ 14,400.00	\$ 30.00	\$ 4,500.00	\$ 70.00	\$ 10,500.00	\$ 55.00	\$ 8,250.00
*NA	DUCTILE IRON WATER MAIN FITTINGS	POUND	550	\$ 3.00	\$ 1,650.00	\$ 0.10	\$ 55.00	\$ 6.50	\$ 3,575.00	\$ 5.00	\$ 2,750.00	\$ 15.00	\$ 8,250.00	\$ 5.00	\$ 2,750.00
*NA	PRECONSTRUCTION VIDEO TAPING	L. SUM	1	\$ 5,000.00	\$ 5,000.00	\$ 1,000.00	\$ 1,000.00	\$ 2,000.00	\$ 2,000.00	\$ 2,772.00	\$ 2,772.00	\$ 100.00	\$ 100.00	\$ 1,500.00	\$ 1,500.00
*NA	PRESSURE CONNECTION	EACH	2	\$ 6,500.00	\$ 13,000.00	\$ 5,500.00	\$ 11,000.00	\$ 4,500.00	\$ 9,000.00	\$ 4,819.00	\$ 9,638.00	\$ 2,500.00	\$ 5,000.00	\$ 4,500.00	\$ 9,000.00
*NA	SANITARY SERVICE TO BE ADJUSTED	EACH	13	\$ 1,000.00	\$ 13,000.00	\$ 200.00	\$ 2,600.00	\$ 250.00	\$ 3,250.00	\$ 1,274.00	\$ 16,562.00	\$ 600.00	\$ 7,800.00	\$ 800.00	\$ 10,400.00
*NA	CURED-IN-PLACE SEWER LINING, 8"	FOOT	1,050	\$ 60.00	\$ 63,000.00	\$ 60.00	\$ 63,000.00	\$ 58.00	\$ 60,900.00	\$ 57.00	\$ 59,850.00	\$ 55.00	\$ 57,750.00	\$ 64.00	\$ 67,200.00
*NA	STORM SEWER, 15"	FOOT	525	\$ 70.00	\$ 36,750.00	\$ 56.00	\$ 29,400.00	\$ 80.00	\$ 42,000.00	\$ 62.00	\$ 32,550.00	\$ 45.00	\$ 23,625.00	\$ 90.00	\$ 47,250.00
*NA	STORM SEWER (W/MQ), 15"	FOOT	525	\$ 90.00	\$ 47,250.00	\$ 85.00	\$ 44,625.00	\$ 95.00	\$ 49,875.00	\$ 74.00	\$ 38,850.00	\$ 120.00	\$ 63,000.00	\$ 120.00	\$ 63,000.00
*NA	STRUCTURES TO BE ADJUSTED	EACH	10	\$ 500.00	\$ 5,000.00	\$ 500.00	\$ 5,000.00	\$ 525.00	\$ 5,250.00	\$ 472.00	\$ 4,720.00	\$ 400.00	\$ 4,000.00	\$ 650.00	\$ 6,500.00
*NA	STRUCTURES TO BE REMOVED	EACH	10	\$ 6,000.00	\$ 60,000.00	\$ 250.00	\$ 2,500.00	\$ 300.00	\$ 3,000.00	\$ 709.00	\$ 7,090.00	\$ 250.00	\$ 2,500.00	\$ 500.00	\$ 5,000.00
*NA	SUMP PUMP CONNECTION	EACH	20	\$ 1,000.00	\$ 20,000.00	\$ 860.00	\$ 17,200.00	\$ 500.00	\$ 10,000.00	\$ 816.00	\$ 16,320.00	\$ 400.00	\$ 8,000.00	\$ 600.00	\$ 12,000.00
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L. SUM	1	\$ 20,000.00	\$ 20,000.00	\$ 11,512.00	\$ 11,512.00	\$ 19,000.00	\$ 19,000.00	\$ 2,065.00	\$ 2,065.00	\$ 60,000.00	\$ 60,000.00	\$ 23,000.00	\$ 23,000.00
*NA	VALVE BOX, 8"	EACH	3	\$ 2,000.00	\$ 6,000.00	\$ 250.00	\$ 750.00	\$ 1,000.00	\$ 3,000.00	\$ 1.00	\$ 3.00	\$ 400.00	\$ 1,200.00	\$ 400.00	\$ 1,200.00
*NA	VALVE VAULTS TO BE REMOVED	EACH	4	\$ 2,500.00	\$ 10,000.00	\$ 250.00	\$ 1,000.00	\$ 300.00	\$ 1,200.00	\$ 511.00	\$ 2,044.00	\$ 400.00	\$ 1,600.00	\$ 350.00	\$ 1,400.00
*NA	WATER MAIN CONNECTION TO EXISTING WATER MAIN (NON-PRESSURE) - DISCONNECT AND CAP EXISTING	EACH	2	\$ 4,000.00	\$ 8,000.00	\$ 4,000.00	\$ 8,000.00	\$ 2,850.00	\$ 5,700.00	\$ 2,530.00	\$ 5,060.00	\$ 2,500.00	\$ 5,000.00	\$ 2,500.00	\$ 5,000.00
*NA	WATER MAIN REMOVAL 12"	FOOT	50	\$ 15.00	\$ 750.00	\$ 15.00	\$ 750.00	\$ 20.00	\$ 1,000.00	\$ 14.00	\$ 700.00	\$ 17.00	\$ 850.00	\$ 10.00	\$ 500.00
*NA	WATER SERVICE REPLACEMENT WITH NEW BUFFALO BOX, 1.5" (LONG SIDE)	EACH	13	\$ 2,500.00	\$ 32,500.00	\$ 3,200.00	\$ 41,600.00	\$ 2,425.00	\$ 31,525.00	\$ 1,981.00	\$ 25,753.00	\$ 2,900.00	\$ 37,700.00	\$ 3,700.00	\$ 48,100.00
*NA	WATER SERVICE REPLACEMENT WITH NEW BUFFALO BOX, 1.5" (SHORT SIDE)	EACH	7	\$ 2,250.00	\$ 15,750.00	\$ 2,500.00	\$ 17,500.00	\$ 1,900.00	\$ 13,300.00	\$ 1,258.00	\$ 8,806.00	\$ 1,800.00	\$ 13,300.00	\$ 2,800.00	\$ 19,600.00
*INDICATES SPECIAL PROVISION															
				TOTAL=	\$ 964,100.00	TOTAL=	\$ 824,232.00	TOTAL=	\$ 829,890.00	TOTAL=	\$ 841,014.00	TOTAL=	\$ 846,905.00	TOTAL=	\$ 876,275.00

Christopher B. Burke Engineering, Ltd.  
 9575 W Higgins Road, Suite 600  
 Rosemont, IL 60018

City of Zion  
 2021 ALLEY AND WATER MAIN IMPROVEMENTS - ALTERNATE 1

ITEM NO.	PAY ITEM DESCRIPTION	UNIT	QUANTITY	LENNY HOFFMAN EXCAVATING		BERGER EXCAVATING CONTRACTORS, INC.		CAMPANELLA & SONS, INC		JOEL KENNEDY CONSTRUCTION CORP.		PAN-OCEANIC ENGINEERING, INC.		
				UNIT COST	COST	UNIT COST	COST	UNIT COST	COST	UNIT COST	COST	UNIT COST	COST	
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	120	\$ 32.00	\$ 3,840.00	\$ 60.00	\$ 7,200.00	\$ 60.50	\$ 7,260.00	\$ 48.00	\$ 5,760.00	\$ 67.16	\$ 8,059.20	
*20800150	TRENCH BACKFILL, SPECIAL	CU YD	2,075	\$ 1.00	\$ 2,075.00	\$ 25.00	\$ 51,875.00	\$ 86.91	\$ 180,338.25	\$ 10.00	\$ 20,750.00	\$ 1.12	\$ 2,324.00	
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	300	\$ 1.50	\$ 450.00	\$ 3.00	\$ 900.00	\$ 5.00	\$ 1,500.00	\$ 3.00	\$ 900.00	\$ 3.21	\$ 963.00	
28000510	INLET FILTERS	EACH	10	\$ 168.00	\$ 1,680.00	\$ 195.00	\$ 1,950.00	\$ 125.00	\$ 1,250.00	\$ 200.00	\$ 2,000.00	\$ 155.28	\$ 1,552.80	
*30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	120	\$ 53.00	\$ 6,360.00	\$ 68.00	\$ 8,160.00	\$ 66.12	\$ 7,934.40	\$ 58.00	\$ 6,960.00	\$ 111.45	\$ 13,374.00	
*40201000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	20	\$ 262.00	\$ 5,240.00	\$ 495.00	\$ 9,900.00	\$ 366.40	\$ 7,328.00	\$ 250.00	\$ 5,000.00	\$ 173.25	\$ 3,465.00	
40603415	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 1.5"	TON	280	\$ 103.00	\$ 28,840.00	\$ 126.00	\$ 35,280.00	\$ 99.94	\$ 27,983.20	\$ 98.00	\$ 27,440.00	\$ 149.13	\$ 41,756.40	
40602965	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 - 6.5"	TON	1,200	\$ 82.00	\$ 98,400.00	\$ 96.00	\$ 115,200.00	\$ 79.44	\$ 95,328.00	\$ 78.00	\$ 93,600.00	\$ 117.73	\$ 141,276.00	
*42400100	PORTLAND CEMENT CONCRETE PAVEMENT, 6 INCH	SQ YD	480	\$ 83.00	\$ 39,840.00	\$ 85.00	\$ 40,800.00	\$ 71.92	\$ 34,521.60	\$ 60.00	\$ 28,800.00	\$ 80.16	\$ 38,476.80	
*42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SPECIAL	SQ FT	600	\$ 9.00	\$ 5,400.00	\$ 10.00	\$ 6,000.00	\$ 7.66	\$ 4,596.00	\$ 10.00	\$ 6,000.00	\$ 8.78	\$ 5,268.00	
*42400800	DETECTABLE WARNINGS	SO FT	60	\$ 32.00	\$ 1,920.00	\$ 35.00	\$ 2,100.00	\$ 31.50	\$ 1,890.00	\$ 50.00	\$ 3,000.00	\$ 40.31	\$ 2,418.60	
*44000100	PAVEMENT REMOVAL	SQ YD	3,000	\$ 14.00	\$ 42,000.00	\$ 12.00	\$ 36,000.00	\$ 14.71	\$ 44,130.00	\$ 14.50	\$ 43,500.00	\$ 15.82	\$ 47,460.00	
44000600	SIDEWALK REMOVAL	SO FT	600	\$ 2.00	\$ 1,200.00	\$ 3.00	\$ 1,800.00	\$ 3.14	\$ 1,884.00	\$ 2.00	\$ 1,200.00	\$ 2.60	\$ 1,560.00	
*44200911	CLASS B PATCHES, 6" (SPECIAL)	SQ YD	240	\$ 121.00	\$ 29,040.00	\$ 135.00	\$ 32,400.00	\$ 120.75	\$ 28,980.00	\$ 90.00	\$ 21,600.00	\$ 78.99	\$ 18,957.60	
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	300	\$ 63.00	\$ 18,900.00	\$ 140.00	\$ 42,000.00	\$ 61.50	\$ 18,450.00	\$ 75.00	\$ 22,500.00	\$ 100.91	\$ 30,273.00	
*56100600	DUCTILE IRON WATER MAIN 6"	FOOT	45	\$ 77.00	\$ 3,465.00	\$ 125.00	\$ 5,625.00	\$ 110.64	\$ 4,978.80	\$ 120.00	\$ 5,400.00	\$ 143.43	\$ 6,454.35	
*56100700	DUCTILE IRON WATER MAIN 8"	FOOT	1,200	\$ 99.00	\$ 118,800.00	\$ 165.00	\$ 198,000.00	\$ 84.04	\$ 100,848.00	\$ 125.00	\$ 150,000.00	\$ 222.40	\$ 266,880.00	
*56105000	GATE VALVES 8"	EACH	3	\$ 1,430.00	\$ 4,290.00	\$ 1,500.00	\$ 4,500.00	\$ 1,452.50	\$ 4,357.50	\$ 1,500.00	\$ 4,500.00	\$ 2,167.38	\$ 6,502.14	
*56400500	FIRE HYDRANTS TO BE REMOVED	EACH	2	\$ 547.00	\$ 1,094.00	\$ 1,000.00	\$ 2,000.00	\$ 805.00	\$ 1,610.00	\$ 500.00	\$ 1,000.00	\$ 1,005.24	\$ 2,010.48	
*56400820	FIRE HYDRANTS WITH AUXILIARY VALVE AND VALVE BOX	EACH	2	\$ 5,056.00	\$ 10,112.00	\$ 5,800.00	\$ 11,600.00	\$ 4,822.50	\$ 9,645.00	\$ 12,000.00	\$ 24,000.00	\$ 7,202.78	\$ 14,405.56	
60206905	CATCH BASINS, TYPE C, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	9	\$ 2,540.00	\$ 22,860.00	\$ 3,400.00	\$ 30,600.00	\$ 2,839.80	\$ 25,558.20	\$ 4,200.00	\$ 37,800.00	\$ 2,705.05	\$ 24,345.45	
60218400	MANHOLE, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	\$ 2,540.00	\$ 2,540.00	\$ 3,000.00	\$ 3,000.00	\$ 2,400.00	\$ 2,400.00	\$ 4,000.00	\$ 4,000.00	\$ 4,057.85	\$ 4,057.85	
60221100	MANHOLE, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	\$ 3,000.00	\$ 3,000.00	\$ 4,400.00	\$ 4,400.00	\$ 3,524.05	\$ 3,524.05	\$ 4,500.00	\$ 4,500.00	\$ 5,762.08	\$ 5,762.08	
*60248700	VALVE VAULTS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3	\$ 2,487.00	\$ 7,461.00	\$ 4,500.00	\$ 13,500.00	\$ 3,953.60	\$ 11,860.80	\$ 4,000.00	\$ 12,000.00	\$ 4,215.93	\$ 12,647.79	
*60603800	COMB. CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	190	\$ 59.00	\$ 11,210.00	\$ 55.00	\$ 10,450.00	\$ 42.00	\$ 7,980.00	\$ 48.00	\$ 9,120.00	\$ 57.66	\$ 10,954.40	
67100100	MOBILIZATION	L. SUM	1	\$ 57,000.00	\$ 57,000.00	\$ 10,897.02	\$ 10,897.02	\$ 13,790.00	\$ 13,790.00	\$ 60,000.00	\$ 60,000.00	\$ 33,478.53	\$ 33,478.53	
*NA	ABANDON WATER MAIN AND APPURTENANCES	L. SUM	1	\$ 1,920.00	\$ 1,920.00	\$ 10,000.00	\$ 10,000.00	\$ 4,267.20	\$ 4,267.20	\$ 1,000.00	\$ 1,000.00	\$ 4,075.95	\$ 4,075.95	
*NA	AS-BUILT DRAWINGS	L. SUM	1	\$ 3,100.00	\$ 3,100.00	\$ 2,000.00	\$ 2,000.00	\$ 1,025.00	\$ 1,025.00	\$ 500.00	\$ 500.00	\$ 6,447.32	\$ 6,447.32	
*NA	CONSTRUCTION LAYOUT	L. SUM	1	\$ 5,200.00	\$ 5,200.00	\$ 3,000.00	\$ 3,000.00	\$ 2,562.50	\$ 2,562.50	\$ 8,000.00	\$ 8,000.00	\$ 6,447.32	\$ 6,447.32	
*NA	DRIVEWAY REMOVAL AND REPLACEMENT	SQ YD	150	\$ 49.00	\$ 7,350.00	\$ 80.00	\$ 12,000.00	\$ 105.00	\$ 15,750.00	\$ 75.00	\$ 11,250.00	\$ 101.61	\$ 15,241.50	
*NA	DUCTILE IRON WATER MAIN FITTINGS	POUND	550	\$ 0.01	\$ 5.50	\$ 8.00	\$ 4,400.00	\$ 9.79	\$ 5,384.50	\$ 6.50	\$ 3,575.00	\$ 5.06	\$ 2,777.50	
*NA	PRECONSTRUCTION VIDEO TAPING	L. SUM	1	\$ 2,820.00	\$ 2,820.00	\$ 3,400.00	\$ 3,400.00	\$ 431.25	\$ 431.25	\$ 2,500.00	\$ 2,500.00	\$ 3,010.62	\$ 3,010.62	
*NA	PRESSURE CONNECTION	EACH	2	\$ 6,975.00	\$ 13,950.00	\$ 5,400.00	\$ 10,800.00	\$ 8,281.20	\$ 16,562.40	\$ 3,200.00	\$ 6,400.00	\$ 7,209.29	\$ 14,418.58	
*NA	SANITARY SERVICE TO BE ADJUSTED	EACH	13	\$ 1,000.00	\$ 13,000.00	\$ 3,000.00	\$ 39,000.00	\$ 908.70	\$ 11,813.10	\$ 750.00	\$ 9,750.00	\$ 2,779.51	\$ 36,133.63	
*NA	CURED-IN-PLACE SEWER LINING, 8"	FOOT	1,050	\$ 58.00	\$ 60,900.00	\$ 56.00	\$ 58,800.00	\$ 109.64	\$ 115,122.00	\$ 98.00	\$ 102,900.00	\$ 98.11	\$ 103,015.50	
*NA	STORM SEWER, 15"	FOOT	525	\$ 67.00	\$ 35,175.00	\$ 79.00	\$ 41,475.00	\$ 117.04	\$ 61,446.00	\$ 150.00	\$ 78,750.00	\$ 143.87	\$ 75,531.75	
*NA	STORM SEWER (WMO), 15"	FOOT	525	\$ 73.00	\$ 38,325.00	\$ 105.00	\$ 55,125.00	\$ 101.45	\$ 53,261.25	\$ 155.00	\$ 81,375.00	\$ 147.53	\$ 77,453.25	
*NA	STRUCTURES TO BE ADJUSTED	EACH	10	\$ 780.00	\$ 7,800.00	\$ 550.00	\$ 5,500.00	\$ 390.00	\$ 3,900.00	\$ 550.00	\$ 5,500.00	\$ 252.84	\$ 2,528.40	
*NA	STRUCTURES TO BE REMOVED	EACH	10	\$ 693.00	\$ 6,930.00	\$ 300.00	\$ 3,000.00	\$ 286.00	\$ 2,860.00	\$ 150.00	\$ 1,500.00	\$ 981.46	\$ 9,814.60	
*NA	SUMP PUMP CONNECTION	EACH	20	\$ 1,500.00	\$ 30,000.00	\$ 600.00	\$ 12,000.00	\$ 1,320.60	\$ 26,412.00	\$ 1,000.00	\$ 20,000.00	\$ 1,100.49	\$ 22,009.80	
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L. SUM	1	\$ 56,494.50	\$ 56,494.50	\$ 12,000.00	\$ 12,000.00	\$ 4,766.25	\$ 4,766.25	\$ 28,000.00	\$ 28,000.00	\$ 5,213.92	\$ 5,213.92	
*NA	VALVE BOX, 8"	EACH	3	\$ 452.00	\$ 1,356.00	\$ 450.00	\$ 1,350.00	\$ 820.15	\$ 2,460.45	\$ 2,000.00	\$ 6,000.00	\$ 370.02	\$ 1,110.06	
*NA	VALVE VAULTS TO BE REMOVED	EACH	4	\$ 584.00	\$ 2,336.00	\$ 600.00	\$ 2,400.00	\$ 906.67	\$ 3,626.68	\$ 200.00	\$ 800.00	\$ 1,112.76	\$ 4,451.04	
*NA	WATER MAIN CONNECTION TO EXISTING WATER MAIN (NON-PRESSURE) - DISCONNECT AND CAP EXISTING	EACH	2	\$ 5,584.00	\$ 11,168.00	\$ 7,000.00	\$ 14,000.00	\$ 3,053.45	\$ 6,106.90	\$ 5,300.00	\$ 10,600.00	\$ 8,569.07	\$ 17,138.14	
*NA	WATER MAIN REMOVAL 12"	FOOT	50	\$ 17.00	\$ 850.00	\$ 57.00	\$ 2,850.00	\$ 25.67	\$ 1,283.50	\$ 10.00	\$ 500.00	\$ 80.91	\$ 4,045.50	
*NA	WATER SERVICE REPLACEMENT WITH NEW BUFFALO BOX, 1.5" (LONG SIDE)	EACH	13	\$ 4,026.00	\$ 52,338.00	\$ 3,880.00	\$ 50,440.00	\$ 3,887.19	\$ 50,533.47	\$ 4,200.00	\$ 54,600.00	\$ 3,337.26	\$ 43,384.38	
*NA	WATER SERVICE REPLACEMENT WITH NEW BUFFALO BOX, 1.5" (SHORT SIDE)	EACH	7	\$ 3,370.00	\$ 23,590.00	\$ 3,100.00	\$ 21,700.00	\$ 2,645.00	\$ 18,515.00	\$ 3,600.00	\$ 25,200.00	\$ 2,853.75	\$ 19,976.25	
*INDICATES SPECIAL PROVISION				TOTAL=		\$ 901,625.00	TOTAL=	\$ 1,051,377.02	TOTAL=	\$ 1,058,015.25	TOTAL=	\$ 1,060,030.00	TOTAL=	\$ 1,218,909.04

Christopher B. Burke Engineering, Ltd.  
9575 W Higgins Road, Suite 600  
Rosemont, IL 60018

City of Zion  
2021 ALLEY AND WATER MAIN IMPROVEMENTS - ALTERNATE 2

ITEM NO.	PAY ITEM DESCRIPTION	UNIT	QUANTITY	ENGINEER'S ESTIMATE		BOLDER CONTRACTORS		PATNICK CONSTRUCTION		DK CONTRACTORS		MAURO SEWER CONSTRUCTION, INC.		COPENHAVER CONSTRUCTION, INC.	
				UNIT COST	COST	UNIT COST	COST	UNIT COST	COST	UNIT COST	COST	UNIT COST	COST	UNIT COST	COST
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	60	\$ 40.00	\$ 2,400.00	\$ 90.00	\$ 5,400.00	\$ 30.00	\$ 1,800.00	\$ 19.00	\$ 1,140.00	\$ 35.00	\$ 2,100.00	\$ 30.00	\$ 1,800.00
*20900150	TRENCH BACKFILL, SPECIAL	CU YD	1075	\$ 40.00	\$ 43,000.00	\$ 16.00	\$ 17,200.00	\$ 28.00	\$ 30,100.00	\$ 43.00	\$ 46,225.00	\$ 32.00	\$ 34,400.00	\$ 35.00	\$ 37,625.00
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	150	\$ 2.50	\$ 375.00	\$ 4.00	\$ 600.00	\$ 10.00	\$ 1,500.00	\$ 3.00	\$ 450.00	\$ 10.00	\$ 1,500.00	\$ 3.00	\$ 450.00
21101615	TOPSOIL, FURNISH AND PLACE 4"	SQ YD	250	\$ 10.00	\$ 2,500.00	\$ 8.00	\$ 2,000.00	\$ 13.00	\$ 3,250.00	\$ 7.00	\$ 1,750.00	\$ 6.00	\$ 1,500.00	\$ 4.00	\$ 1,000.00
25200110	SODDING, SALT TOLERANT	SQ YD	250	\$ 20.00	\$ 5,000.00	\$ 12.00	\$ 3,000.00	\$ 12.00	\$ 3,000.00	\$ 29.00	\$ 7,250.00	\$ 16.00	\$ 4,000.00	\$ 6.00	\$ 1,500.00
28000510	INLET FILTERS	EACH	5	\$ 125.00	\$ 625.00	\$ 150.00	\$ 750.00	\$ 115.00	\$ 575.00	\$ 172.00	\$ 860.00	\$ 115.00	\$ 575.00	\$ 40.00	\$ 200.00
*30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	60	\$ 40.00	\$ 2,400.00	\$ 60.00	\$ 3,600.00	\$ 28.00	\$ 1,680.00	\$ 60.00	\$ 3,600.00	\$ 75.00	\$ 4,500.00	\$ 20.00	\$ 1,200.00
*40201000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	9	\$ 250.00	\$ 2,250.00	\$ 100.00	\$ 900.00	\$ 50.00	\$ 450.00	\$ 168.00	\$ 1,512.00	\$ 100.00	\$ 900.00	\$ 100.00	\$ 900.00
40603415	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N60 - 1.5'	TON	140	\$ 80.00	\$ 11,200.00	\$ 155.00	\$ 21,700.00	\$ 120.00	\$ 16,800.00	\$ 114.00	\$ 15,960.00	\$ 124.00	\$ 17,360.00	\$ 107.25	\$ 15,015.00
40602865	HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N60 - 6.5'	TON	600	\$ 80.00	\$ 48,000.00	\$ 95.00	\$ 57,000.00	\$ 140.00	\$ 84,000.00	\$ 93.00	\$ 55,800.00	\$ 88.00	\$ 52,800.00	\$ 85.25	\$ 51,150.00
*42400100	PORTLAND CEMENT CONCRETE PAVEMENT, 6 INCH	SQ YD	240	\$ 50.00	\$ 12,000.00	\$ 55.00	\$ 13,200.00	\$ 85.00	\$ 20,400.00	\$ 73.00	\$ 17,520.00	\$ 72.00	\$ 17,280.00	\$ 11.00	\$ 2,640.00
*42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SPECIAL	SQ FT	600	\$ 20.00	\$ 12,000.00	\$ 9.00	\$ 5,400.00	\$ 9.00	\$ 5,400.00	\$ 8.00	\$ 4,800.00	\$ 9.25	\$ 5,550.00	\$ 10.00	\$ 6,000.00
*42400800	DETECTABLE WARNINGS	SQ FT	60	\$ 20.00	\$ 1,200.00	\$ 35.00	\$ 2,100.00	\$ 110.00	\$ 6,600.00	\$ 31.00	\$ 1,860.00	\$ 45.00	\$ 2,700.00	\$ 30.00	\$ 1,800.00
*44000100	PAVEMENT REMOVAL	SQ YD	1500	\$ 20.00	\$ 30,000.00	\$ 9.00	\$ 13,500.00	\$ 5.00	\$ 7,500.00	\$ 9.00	\$ 13,500.00	\$ 11.00	\$ 16,500.00	\$ 15.00	\$ 22,500.00
44000600	SIDEWALK REMOVAL	SQ FT	600	\$ 10.00	\$ 6,000.00	\$ 2.00	\$ 1,200.00	\$ 2.50	\$ 1,500.00	\$ 2.00	\$ 1,200.00	\$ 1.50	\$ 900.00	\$ 2.00	\$ 1,200.00
*44200911	CLASS B PATCHES, 6" (SPECIAL)	SQ YD	120	\$ 70.00	\$ 8,400.00	\$ 100.00	\$ 12,000.00	\$ 100.00	\$ 12,000.00	\$ 126.00	\$ 15,120.00	\$ 108.00	\$ 12,960.00	\$ 90.00	\$ 10,800.00
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	150	\$ 60.00	\$ 9,000.00	\$ 80.00	\$ 12,000.00	\$ 115.00	\$ 17,250.00	\$ 72.00	\$ 10,800.00	\$ 120.00	\$ 18,000.00	\$ 66.00	\$ 9,900.00
*56100600	DUCTILE IRON WATER MAIN 6"	FOOT	25	\$ 100.00	\$ 2,500.00	\$ 70.00	\$ 1,750.00	\$ 60.00	\$ 1,500.00	\$ 97.00	\$ 2,425.00	\$ 69.00	\$ 1,725.00	\$ 100.00	\$ 2,500.00
*56100700	DUCTILE IRON WATER MAIN 8"	FOOT	600	\$ 110.00	\$ 66,000.00	\$ 85.00	\$ 51,000.00	\$ 90.00	\$ 54,000.00	\$ 72.00	\$ 43,200.00	\$ 93.00	\$ 55,800.00	\$ 102.00	\$ 61,200.00
*56101000	WATER MAIN 16" (PVC C900)	FOOT	175	\$ 175.00	\$ 30,625.00	\$ 140.00	\$ 24,500.00	\$ 125.00	\$ 21,875.00	\$ 95.00	\$ 16,625.00	\$ 105.00	\$ 18,375.00	\$ 125.00	\$ 21,875.00
*56105000	GATE VALVES 8"	EACH	2	\$ 2,000.00	\$ 4,000.00	\$ 1,500.00	\$ 3,000.00	\$ 2,060.00	\$ 4,120.00	\$ 1,260.00	\$ 2,520.00	\$ 2,850.00	\$ 5,700.00	\$ 1,800.00	\$ 3,600.00
*56108000	GATE VALVES 16"	EACH	2	\$ 4,000.00	\$ 8,000.00	\$ 8,000.00	\$ 16,000.00	\$ 7,600.00	\$ 15,200.00	\$ 6,640.00	\$ 13,280.00	\$ 10,000.00	\$ 20,000.00	\$ 7,000.00	\$ 14,000.00
*56400500	FIRE HYDRANTS TO BE REMOVED	EACH	2	\$ 750.00	\$ 1,500.00	\$ 450.00	\$ 900.00	\$ 300.00	\$ 600.00	\$ 847.00	\$ 1,694.00	\$ 350.00	\$ 700.00	\$ 1,200.00	\$ 2,400.00
*56400820	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	1	\$ 6,000.00	\$ 6,000.00	\$ 7,000.00	\$ 7,000.00	\$ 5,200.00	\$ 5,200.00	\$ 6,236.00	\$ 6,236.00	\$ 6,000.00	\$ 6,000.00	\$ 6,900.00	\$ 6,900.00
60206905	CATCH BASINS, TYPE C, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	4	\$ 2,000.00	\$ 8,000.00	\$ 1,800.00	\$ 7,200.00	\$ 2,500.00	\$ 10,000.00	\$ 2,565.00	\$ 10,260.00	\$ 3,000.00	\$ 12,000.00	\$ 2,900.00	\$ 11,600.00
60221100	MANHOLE, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	\$ 2,500.00	\$ 2,500.00	\$ 3,000.00	\$ 3,000.00	\$ 3,000.00	\$ 3,000.00	\$ 5,594.00	\$ 5,594.00	\$ 5,000.00	\$ 5,000.00	\$ 3,700.00	\$ 3,700.00
*60248700	VALVE VAULTS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	\$ 3,250.00	\$ 6,500.00	\$ 1,500.00	\$ 3,000.00	\$ 1,440.00	\$ 2,880.00	\$ 3,833.00	\$ 7,666.00	\$ 1,950.00	\$ 3,900.00	\$ 3,000.00	\$ 6,000.00
*60248800	VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	\$ 5,000.00	\$ 10,000.00	\$ 2,500.00	\$ 5,000.00	\$ 1,600.00	\$ 3,200.00	\$ 3,625.00	\$ 7,250.00	\$ 2,500.00	\$ 5,000.00	\$ 3,600.00	\$ 7,200.00
*60603800	COMB. CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	110	\$ 30.00	\$ 3,300.00	\$ 50.00	\$ 5,500.00	\$ 65.00	\$ 7,150.00	\$ 61.00	\$ 6,710.00	\$ 55.00	\$ 6,050.00	\$ 40.00	\$ 4,400.00
67100100	MOBILIZATION	L SUM	1	\$ 25,000.00	\$ 25,000.00	\$ 30,000.00	\$ 30,000.00	\$ 2,500.00	\$ 2,500.00	\$ 46,433.00	\$ 46,433.00	\$ 3,850.00	\$ 3,850.00	\$ 15,000.00	\$ 15,000.00
*NA	ABANDON WATER MAIN AND APPURTENANCES	L SUM	1	\$ 10,000.00	\$ 10,000.00	\$ 500.00	\$ 500.00	\$ 2,000.00	\$ 2,000.00	\$ 1.00	\$ 1.00	\$ 5,000.00	\$ 5,000.00	\$ 2,500.00	\$ 2,500.00
*NA	AS-BUILT DRAWINGS	L SUM	1	\$ 5,000.00	\$ 5,000.00	\$ 500.00	\$ 500.00	\$ 1,500.00	\$ 1,500.00	\$ 2,839.00	\$ 2,839.00	\$ 3,700.00	\$ 3,700.00	\$ 1,000.00	\$ 1,000.00
*NA	CONSTRUCTION LAYOUT	L SUM	1	\$ 7,500.00	\$ 7,500.00	\$ 6,000.00	\$ 6,000.00	\$ 3,500.00	\$ 3,500.00	\$ 2,581.00	\$ 2,581.00	\$ 6,000.00	\$ 6,000.00	\$ 12,000.00	\$ 12,000.00
*NA	DRIVEWAY REMOVAL AND REPLACEMENT	SQ YD	50	\$ 60.00	\$ 3,000.00	\$ 80.00	\$ 4,000.00	\$ 150.00	\$ 7,500.00	\$ 30.00	\$ 1,500.00	\$ 98.00	\$ 4,900.00	\$ 60.00	\$ 3,000.00
*NA	DUCTILE IRON WATER MAIN FITTINGS	POUND	1300	\$ 3.00	\$ 3,900.00	\$ 15.00	\$ 19,500.00	\$ 0.10	\$ 130.00	\$ 5.00	\$ 6,500.00	\$ 6.00	\$ 7,800.00	\$ 5.00	\$ 6,500.00
*NA	PRECONSTRUCTION VIDEO TAPING	L SUM	1	\$ 5,000.00	\$ 5,000.00	\$ 100.00	\$ 100.00	\$ 1,000.00	\$ 1,000.00	\$ 2,659.00	\$ 2,659.00	\$ 2,000.00	\$ 2,000.00	\$ 1,500.00	\$ 1,500.00
*NA	PRESSURE CONNECTION	EACH	3	\$ 6,500.00	\$ 19,500.00	\$ 2,500.00	\$ 7,500.00	\$ 5,500.00	\$ 16,500.00	\$ 4,819.00	\$ 14,457.00	\$ 4,500.00	\$ 13,500.00	\$ 4,500.00	\$ 13,500.00
*NA	PRESSURE CONNECTION (16")	EACH	1	\$ 10,000.00	\$ 10,000.00	\$ 8,000.00	\$ 8,000.00	\$ 15,500.00	\$ 15,500.00	\$ 8,282.00	\$ 8,282.00	\$ 19,500.00	\$ 19,500.00	\$ 16,000.00	\$ 16,000.00
*NA	SANITARY SERVICE TO BE ADJUSTED	EACH	6	\$ 1,000.00	\$ 6,000.00	\$ 600.00	\$ 3,600.00	\$ 200.00	\$ 1,200.00	\$ 1,274.00	\$ 7,644.00	\$ 250.00	\$ 1,500.00	\$ 800.00	\$ 4,800.00
*NA	CURED-IN-PLACE SEWER LINING, 8"	FOOT	525	\$ 60.00	\$ 31,500.00	\$ 62.00	\$ 32,550.00	\$ 65.00	\$ 34,650.00	\$ 85.00	\$ 44,625.00	\$ 85.00	\$ 44,625.00	\$ 72.00	\$ 37,800.00
*NA	STORM SEWER, 15"	FOOT	525	\$ 70.00	\$ 36,750.00	\$ 45.00	\$ 23,625.00	\$ 56.00	\$ 29,400.00	\$ 62.00	\$ 32,550.00	\$ 80.00	\$ 42,000.00	\$ 90.00	\$ 47,250.00
*NA	STORM SEWER (WMQ), 15"	FOOT	50	\$ 90.00	\$ 4,500.00	\$ 120.00	\$ 6,000.00	\$ 85.00	\$ 4,250.00	\$ 74.00	\$ 3,700.00	\$ 100.00	\$ 5,000.00	\$ 125.00	\$ 6,250.00
*NA	STRUCTURES TO BE ADJUSTED	EACH	5	\$ 500.00	\$ 2,500.00	\$ 400.00	\$ 2,000.00	\$ 500.00	\$ 2,500.00	\$ 472.00	\$ 2,360.00	\$ 550.00	\$ 2,750.00	\$ 650.00	\$ 3,250.00
*NA	STRUCTURES TO BE REMOVED	EACH	5	\$ 6,000.00	\$ 30,000.00	\$ 250.00	\$ 1,250.00	\$ 250.00	\$ 1,250.00	\$ 709.00	\$ 3,545.00	\$ 300.00	\$ 1,500.00	\$ 500.00	\$ 2,500.00
*NA	SUMP PUMP CONNECTION	EACH	8	\$ 1,000.00	\$ 8,000.00	\$ 500.00	\$ 4,000.00	\$ 860.00	\$ 6,880.00	\$ 816.00	\$ 6,528.00	\$ 500.00	\$ 4,000.00	\$ 600.00	\$ 4,800.00
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1	\$ 20,000.00	\$ 20,000.00	\$ 30,000.00	\$ 30,000.00	\$ 12,000.00	\$ 12,000.00	\$ 2,065.00	\$ 2,065.00	\$ 13,875.00	\$ 13,875.00	\$ 23,000.00	\$ 23,000.00
*NA	VALVE BOX, 8"	EACH	2	\$ 2,000.00	\$ 4,000.00	\$ 400.00	\$ 800.00	\$ 250.00	\$ 500.00	\$ 1.00	\$ 2.00	\$ 1,000.00	\$ 2,000.00	\$ 400.00	\$ 800.00
*NA	VALVE VAULTS TO BE REMOVED	EACH	4	\$ 2,500.00	\$ 10,000.00	\$ 400.00	\$ 1,600.00	\$ 250.00	\$ 1,000.00	\$ 511.00	\$ 2,044.00	\$ 300.00	\$ 1,200.00	\$ 3,500.00	\$ 14,000.00
*NA	WATER MAIN CONNECTION TO EXISTING WATER MAIN (NON-PRESSURE) - DISCONNECT AND CAP EXISTING	EACH	3	\$ 4,000.00	\$ 12,000.00	\$ 2,500.00	\$ 7,500.00	\$ 4,000.00	\$ 12,000.00	\$ 2,530.00	\$ 7,590.00	\$ 2,850.00	\$ 8,550.00	\$ 2,500.00	\$ 7,500.00
*NA	WATER MAIN REMOVAL 12"	FOOT	30	\$ 15.00	\$ 450.00	\$ 17.00	\$ 510.00	\$ 15.00	\$ 450.00	\$ 14.00	\$ 420.00	\$ 20.00	\$ 600.00	\$ 10.00	\$ 300.00
*NA	WATER MAIN REMOVAL 16" (D.I. / TRANSITE)	FOOT	20	\$ 20.00	\$ 400.00	\$ 17.00	\$ 340.00	\$ 50.00	\$ 1,000.00	\$ 14.00	\$ 280.00	\$ 40.00	\$ 800.00	\$ 50.00	\$ 1,000.00
*NA	WATER SERVICE REPLACEMENT WITH NEW BUFFALO BOX, 1.5" (LONG SIDE)	EACH	6	\$ 2,500.00	\$ 15,000.00	\$ 3,500.00	\$ 21,000.00	\$ 3,200.00	\$ 19,200.00	\$ 1,981.00	\$ 11,886.00	\$ 2,425.00	\$ 14,550.00	\$ 3,700.00	\$ 22,200.00
*NA	WATER SERVICE REPLACEMENT WITH NEW BUFFALO BOX, 1.5" (SHORT SIDE)	EACH	2	\$ 2,250.00	\$ 4,500.00	\$ 2,500.00	\$ 5,000.00	\$ 2,500.00	\$ 5,000.00	\$ 1,258.00	\$ 2,516.00	\$ 1,900.00	\$ 3,800.00	\$ 2,800.00	\$ 5,600.00
*INDICATES SPECIAL PROVISION															
				<b>Total=</b>	<b>\$ 619,775.00</b>	<b>Total=</b>	<b>\$ 515,275.00</b>	<b>Total=</b>	<b>\$ 523,940.00</b>	<b>Total=</b>	<b>\$ 525,314.00</b>	<b>Total=</b>	<b>\$ 535,975.00</b>	<b>Total=</b>	

Christopher B. Burke Engineering, Ltd.  
9575 W Higgins Road, Suite 600  
Rosemont, IL 60018

City of Zion  
2021 ALLEY AND WATER MAIN IMPROVEMENTS - ALTERNATE 2

ITEM NO.	PAY ITEM DESCRIPTION	UNIT	QUANTITY	LENNY HOFFMAN EXCAVATING		CAMPANELLA & SONS, INC		BERGER EXCAVATING CONTRACTORS, INC.		JOEL KENNEDY CONSTRUCTION CORP.		PAN-OCEANIC ENGINEERING, INC.	
				UNIT COST	COST	UNIT COST	COST	UNIT COST	COST	UNIT COST	COST	UNIT COST	COST
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	60	\$ 32.00	\$ 1,920.00	\$ 60.50	\$ 3,630.00	\$ 60.00	\$ 3,600.00	\$ 48.00	\$ 2,880.00	\$ 67.16	\$ 4,029.60
*20800150	TRENCH BACKFILL, SPECIAL	CU YD	1075	\$ 1.00	\$ 1,075.00	\$ 86.91	\$ 93,428.25	\$ 25.00	\$ 26,875.00	\$ 10.00	\$ 10,750.00	\$ 1.12	\$ 1,204.00
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	150	\$ 1.50	\$ 225.00	\$ 5.00	\$ 750.00	\$ 3.00	\$ 450.00	\$ 3.00	\$ 450.00	\$ 3.21	\$ 481.50
21101615	TOPSOIL, FURNISH AND PLACE 4"	SQ YD	250	\$ 14.00	\$ 3,500.00	\$ 6.66	\$ 1,665.00	\$ 7.00	\$ 1,750.00	\$ 1.00	\$ 250.00	\$ 8.70	\$ 2,175.00
25200110	SODDING, SALT TOLERANT	SQ YD	250	\$ 30.00	\$ 7,500.00	\$ 8.71	\$ 2,177.50	\$ 12.00	\$ 3,000.00	\$ 30.00	\$ 7,500.00	\$ 8.07	\$ 2,017.50
28000510	INLET FILTERS	EACH	5	\$ 168.00	\$ 840.00	\$ 125.00	\$ 625.00	\$ 195.00	\$ 975.00	\$ 200.00	\$ 1,000.00	\$ 155.28	\$ 776.40
*30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	60	\$ 53.00	\$ 3,180.00	\$ 66.12	\$ 3,967.20	\$ 68.00	\$ 4,080.00	\$ 58.00	\$ 3,480.00	\$ 111.45	\$ 6,687.00
*40201000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	9	\$ 262.00	\$ 2,358.00	\$ 481.40	\$ 4,332.60	\$ 495.00	\$ 4,455.00	\$ 250.00	\$ 2,250.00	\$ 173.25	\$ 1,559.25
40603415	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", NS0 - 1.5"	TON	140	\$ 103.00	\$ 14,420.00	\$ 99.94	\$ 13,991.60	\$ 155.00	\$ 21,700.00	\$ 98.00	\$ 13,720.00	\$ 149.13	\$ 20,878.20
40602985	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, NS0 - 5.5"	TON	600	\$ 82.00	\$ 49,200.00	\$ 79.44	\$ 47,664.00	\$ 95.00	\$ 57,000.00	\$ 78.00	\$ 46,800.00	\$ 123.34	\$ 74,004.00
*42400100	PORTLAND CEMENT CONCRETE PAVEMENT, 6 INCH	SQ YD	240	\$ 83.00	\$ 19,920.00	\$ 71.92	\$ 17,260.80	\$ 80.00	\$ 19,200.00	\$ 60.00	\$ 14,400.00	\$ 80.16	\$ 19,238.40
*42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SPECIAL	SQ FT	600	\$ 9.00	\$ 5,400.00	\$ 7.66	\$ 4,596.00	\$ 10.00	\$ 6,000.00	\$ 10.00	\$ 6,000.00	\$ 8.78	\$ 5,268.00
*42400800	DETECTABLE WARNINGS	SQ FT	60	\$ 32.00	\$ 1,920.00	\$ 31.50	\$ 1,890.00	\$ 35.00	\$ 2,100.00	\$ 50.00	\$ 3,000.00	\$ 40.31	\$ 2,418.60
*44000100	PAVEMENT REMOVAL	SQ YD	1500	\$ 14.00	\$ 21,000.00	\$ 14.71	\$ 22,065.00	\$ 12.00	\$ 18,000.00	\$ 14.50	\$ 21,750.00	\$ 15.82	\$ 23,730.00
44000600	SIDEWALK REMOVAL	SQ FT	600	\$ 2.00	\$ 1,200.00	\$ 3.14	\$ 1,884.00	\$ 3.00	\$ 1,800.00	\$ 2.00	\$ 1,200.00	\$ 2.60	\$ 1,560.00
*44200911	CLASS B PATCHES, 6" (SPECIAL)	SQ YD	120	\$ 121.00	\$ 14,520.00	\$ 120.75	\$ 14,490.00	\$ 135.00	\$ 16,200.00	\$ 90.00	\$ 10,800.00	\$ 81.93	\$ 9,831.60
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	150	\$ 63.00	\$ 9,450.00	\$ 61.50	\$ 9,225.00	\$ 140.00	\$ 21,000.00	\$ 75.00	\$ 11,250.00	\$ 106.52	\$ 15,978.00
*56100600	DUCTILE IRON WATER MAIN 8"	FOOT	25	\$ 77.00	\$ 1,925.00	\$ 110.64	\$ 2,766.00	\$ 125.00	\$ 3,125.00	\$ 120.00	\$ 3,000.00	\$ 143.34	\$ 3,583.50
*56100700	DUCTILE IRON WATER MAIN 8"	FOOT	600	\$ 89.00	\$ 53,400.00	\$ 84.94	\$ 50,934.00	\$ 165.00	\$ 99,000.00	\$ 125.00	\$ 75,000.00	\$ 223.57	\$ 134,142.00
*56101000	WATER MAIN 16" (PVC C900)	FOOT	175	\$ 178.00	\$ 31,150.00	\$ 113.21	\$ 19,811.75	\$ 165.00	\$ 28,875.00	\$ 200.00	\$ 35,000.00	\$ 205.48	\$ 35,959.00
*56105000	GATE VALVES 8"	EACH	2	\$ 1,430.00	\$ 2,860.00	\$ 1,452.50	\$ 2,905.00	\$ 1,500.00	\$ 3,000.00	\$ 1,500.00	\$ 3,000.00	\$ 2,167.38	\$ 4,334.76
*56108000	GATE VALVES 16"	EACH	2	\$ 6,356.00	\$ 12,712.00	\$ 7,835.05	\$ 15,670.10	\$ 7,800.00	\$ 15,600.00	\$ 6,500.00	\$ 13,000.00	\$ 8,825.85	\$ 17,651.70
*56400500	FIRE HYDRANTS TO BE REMOVED	EACH	2	\$ 547.00	\$ 1,094.00	\$ 805.00	\$ 1,610.00	\$ 1,000.00	\$ 2,000.00	\$ 500.00	\$ 1,000.00	\$ 1,005.24	\$ 2,010.48
*56400820	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	1	\$ 5,056.00	\$ 5,056.00	\$ 4,822.50	\$ 4,822.50	\$ 5,800.00	\$ 5,800.00	\$ 12,000.00	\$ 12,000.00	\$ 7,285.61	\$ 7,285.61
60200905	CATCH BASINS, TYPE C, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	4	\$ 2,540.00	\$ 10,160.00	\$ 2,839.80	\$ 11,359.20	\$ 3,400.00	\$ 13,600.00	\$ 4,200.00	\$ 16,800.00	\$ 2,828.97	\$ 11,315.88
60221100	MANHOLE, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	\$ 3,000.00	\$ 3,000.00	\$ 3,524.05	\$ 3,524.05	\$ 4,400.00	\$ 4,400.00	\$ 4,500.00	\$ 4,500.00	\$ 5,762.08	\$ 5,762.08
*60248700	VALVE VAULTS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	\$ 2,487.00	\$ 4,974.00	\$ 3,953.60	\$ 7,907.20	\$ 4,500.00	\$ 9,000.00	\$ 4,000.00	\$ 8,000.00	\$ 4,197.24	\$ 8,394.48
*60248900	VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	\$ 2,918.00	\$ 5,836.00	\$ 4,723.60	\$ 9,447.20	\$ 6,500.00	\$ 13,000.00	\$ 4,500.00	\$ 9,000.00	\$ 4,197.24	\$ 8,394.48
*60603900	COMB. CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	110	\$ 59.00	\$ 6,490.00	\$ 42.00	\$ 4,620.00	\$ 55.00	\$ 6,050.00	\$ 48.00	\$ 5,280.00	\$ 62.69	\$ 6,894.80
67100100	MOBILIZATION	L SUM	1	\$ 36,000.00	\$ 36,000.00	\$ 9,780.00	\$ 9,780.00	\$ 9,654.08	\$ 9,654.08	\$ 40,000.00	\$ 40,000.00	\$ 38,274.10	\$ 38,274.10
*NA	ABANDON WATER MAIN AND APPURTENANCES	L SUM	1	\$ 1,920.00	\$ 1,920.00	\$ 4,267.20	\$ 4,267.20	\$ 10,000.00	\$ 10,000.00	\$ 1,000.00	\$ 1,000.00	\$ 4,075.95	\$ 4,075.95
*NA	AS-BUILT DRAWINGS	L SUM	1	\$ 3,100.00	\$ 3,100.00	\$ 1,025.00	\$ 1,025.00	\$ 2,000.00	\$ 2,000.00	\$ 500.00	\$ 500.00	\$ 5,045.73	\$ 5,045.73
*NA	CONSTRUCTION LAYOUT	L SUM	1	\$ 5,200.00	\$ 5,200.00	\$ 2,562.50	\$ 2,562.50	\$ 3,000.00	\$ 3,000.00	\$ 8,000.00	\$ 8,000.00	\$ 5,045.73	\$ 5,045.73
*NA	DRIVEWAY REMOVAL AND REPLACEMENT	SQ YD	50	\$ 49.00	\$ 2,450.00	\$ 105.00	\$ 5,250.00	\$ 80.00	\$ 4,000.00	\$ 75.00	\$ 3,750.00	\$ 101.61	\$ 5,080.50
*NA	DUCTILE IRON WATER MAIN FITTINGS	POUND	1300	\$ 0.01	\$ 13.00	\$ 9.79	\$ 12,727.00	\$ 8.00	\$ 10,400.00	\$ 6.50	\$ 8,450.00	\$ 5.05	\$ 6,565.00
*NA	PRECONSTRUCTION VIDEO TAPING	L SUM	1	\$ 2,700.00	\$ 2,700.00	\$ 431.25	\$ 431.25	\$ 3,400.00	\$ 3,400.00	\$ 2,500.00	\$ 2,500.00	\$ 2,887.28	\$ 2,887.28
*NA	PRESSURE CONNECTION	EACH	3	\$ 6,975.00	\$ 20,925.00	\$ 8,281.20	\$ 24,843.60	\$ 5,400.00	\$ 16,200.00	\$ 3,200.00	\$ 9,600.00	\$ 7,022.41	\$ 21,067.23
*NA	PRESSURE CONNECTION (16")	EACH	1	\$ 20,239.00	\$ 20,239.00	\$ 17,167.20	\$ 17,167.20	\$ 20,000.00	\$ 20,000.00	\$ 14,000.00	\$ 14,000.00	\$ 12,559.82	\$ 12,559.82
*NA	SANITARY SERVICE TO BE ADJUSTED	EACH	6	\$ 1,000.00	\$ 6,000.00	\$ 908.70	\$ 5,452.20	\$ 3,000.00	\$ 18,000.00	\$ 750.00	\$ 4,500.00	\$ 2,779.51	\$ 16,677.06
*NA	CURED-IN-PLACE SEWER LINING, 8"	FOOT	525	\$ 66.00	\$ 34,650.00	\$ 110.59	\$ 58,069.75	\$ 65.00	\$ 34,125.00	\$ 130.00	\$ 68,250.00	\$ 134.55	\$ 70,638.75
*NA	STORM SEWER, 15"	FOOT	525	\$ 67.00	\$ 35,175.00	\$ 117.04	\$ 61,446.00	\$ 79.00	\$ 41,475.00	\$ 160.00	\$ 84,000.00	\$ 143.87	\$ 75,531.75
*NA	STORM SEWER (W/MQ), 15"	FOOT	50	\$ 95.00	\$ 4,750.00	\$ 101.45	\$ 5,072.50	\$ 120.00	\$ 6,000.00	\$ 178.00	\$ 8,900.00	\$ 147.53	\$ 7,376.50
*NA	STRUCTURES TO BE ADJUSTED	EACH	5	\$ 780.00	\$ 3,900.00	\$ 390.00	\$ 1,950.00	\$ 550.00	\$ 2,750.00	\$ 550.00	\$ 2,750.00	\$ 258.45	\$ 1,292.25
*NA	STRUCTURES TO BE REMOVED	EACH	5	\$ 693.00	\$ 3,465.00	\$ 286.00	\$ 1,430.00	\$ 300.00	\$ 1,500.00	\$ 150.00	\$ 750.00	\$ 981.46	\$ 4,907.30
*NA	SUMP PUMP CONNECTION	EACH	8	\$ 1,500.00	\$ 12,000.00	\$ 1,320.60	\$ 10,564.80	\$ 600.00	\$ 4,800.00	\$ 1,000.00	\$ 8,000.00	\$ 1,100.49	\$ 8,803.92
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1	\$ 34,274.00	\$ 34,274.00	\$ 5,637.50	\$ 5,637.50	\$ 5,000.00	\$ 5,000.00	\$ 25,000.00	\$ 25,000.00	\$ 6,167.00	\$ 6,167.00
*NA	VALVE BOX 8"	EACH	2	\$ 452.00	\$ 904.00	\$ 820.15	\$ 1,640.30	\$ 450.00	\$ 900.00	\$ 2,000.00	\$ 4,000.00	\$ 370.02	\$ 740.04
*NA	VALVE VAULTS TO BE REMOVED	EACH	4	\$ 584.00	\$ 2,336.00	\$ 906.67	\$ 3,626.68	\$ 600.00	\$ 2,400.00	\$ 200.00	\$ 800.00	\$ 1,112.76	\$ 4,451.04
*NA	WATER MAIN CONNECTION TO EXISTING WATER MAIN (NON-PRESSURE) - DISCONNECT AND CAP EXISTING	EACH	3	\$ 6,864.00	\$ 20,592.00	\$ 3,053.45	\$ 9,160.35	\$ 7,000.00	\$ 21,000.00	\$ 5,300.00	\$ 15,900.00	\$ 8,570.20	\$ 25,710.60
*NA	WATER MAIN REMOVAL 12"	FOOT	30	\$ 17.00	\$ 510.00	\$ 25.67	\$ 770.10	\$ 57.00	\$ 1,710.00	\$ 10.00	\$ 300.00	\$ 80.91	\$ 2,427.30
*NA	WATER MAIN REMOVAL 16" (D.L. / TRANSITE)	FOOT	20	\$ 50.00	\$ 1,000.00	\$ 200.00	\$ 4,000.00	\$ 100.00	\$ 2,000.00	\$ 30.00	\$ 600.00	\$ 140.51	\$ 2,810.20
*NA	WATER SERVICE REPLACEMENT WITH NEW BUFFALO BOX, 1.5" (LONG SIDE)	EACH	6	\$ 4,026.00	\$ 24,156.00	\$ 3,887.19	\$ 23,323.14	\$ 3,880.00	\$ 23,280.00	\$ 4,200.00	\$ 25,200.00	\$ 3,639.14	\$ 21,834.84
*NA	WATER SERVICE REPLACEMENT WITH NEW BUFFALO BOX, 1.5" (SHORT SIDE)	EACH	2	\$ 3,370.00	\$ 6,740.00	\$ 2,645.00	\$ 5,290.00	\$ 3,100.00	\$ 6,200.00	\$ 3,600.00	\$ 7,200.00	\$ 2,851.75	\$ 5,703.50
*INDICATES SPECIAL PROVISION				Total= \$ 585,284.00		Total= \$ 653,986.02		Total= \$ 661,429.08		Total= \$ 687,010.00		Total= \$ 810,743.21	

Christopher B. Burke Engineering, Ltd.  
9575 W Higgins Road, Suite 600  
Rosemont, IL 60018

City of Zion  
2021 ALLEY AND WATER MAIN IMPROVEMENTS - ALTERNATE 3

ITEM NO.	PAY ITEM DESCRIPTION	UNIT	QUANTITY	ENGINEER'S ESTIMATE		PATNICK CONSTRUCTION		DK CONTRACTORS		MAURO SEWER CONSTRUCTION, INC.		BOLDER CONTRACTORS		COPENHAVER CONSTRUCTION, INC.	
				UNIT COST	COST	UNIT COST	COST	UNIT COST	COST	UNIT COST	COST	UNIT COST	COST	UNIT COST	COST
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	120	\$ 4,800.00	\$ 4,800.00	\$ 34.00	\$ 4,080.00	\$ 19.00	\$ 2,280.00	\$ 35.00	\$ 4,200.00	\$ 90.00	\$ 10,800.00	\$ 30.00	\$ 3,600.00
*20800150	TRENCH BACKFILL, SPECIAL	CU YD	2100	\$ 40.00	\$ 84,000.00	\$ 28.00	\$ 58,800.00	\$ 43.00	\$ 90,300.00	\$ 34.00	\$ 71,400.00	\$ 16.00	\$ 33,600.00	\$ 35.00	\$ 73,500.00
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	300	\$ 2.50	\$ 750.00	\$ 10.00	\$ 3,000.00	\$ 3.00	\$ 900.00	\$ 10.00	\$ 3,000.00	\$ 4.00	\$ 1,200.00	\$ 3.00	\$ 900.00
21101615	TOPSOIL, FURNISH AND PLACE 4"	SQ YD	250	\$ 10.00	\$ 2,500.00	\$ 13.00	\$ 3,250.00	\$ 7.00	\$ 1,750.00	\$ 6.00	\$ 1,500.00	\$ 8.00	\$ 2,000.00	\$ 4.00	\$ 1,000.00
25200110	SODDING, SALT TOLERANT	SQ YD	250	\$ 20.00	\$ 5,000.00	\$ 12.00	\$ 3,000.00	\$ 29.00	\$ 5,250.00	\$ 16.00	\$ 4,000.00	\$ 12.00	\$ 3,000.00	\$ 6.00	\$ 1,500.00
28000510	INLET FILTERS	EACH	10	\$ 125.00	\$ 1,250.00	\$ 115.00	\$ 1,150.00	\$ 172.00	\$ 1,720.00	\$ 115.00	\$ 1,150.00	\$ 150.00	\$ 1,500.00	\$ 40.00	\$ 400.00
*30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	120	\$ 40.00	\$ 4,800.00	\$ 28.00	\$ 3,360.00	\$ 60.00	\$ 7,200.00	\$ 75.00	\$ 9,000.00	\$ 60.00	\$ 7,200.00	\$ 20.00	\$ 2,400.00
*40201000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	21	\$ 250.00	\$ 5,250.00	\$ 50.00	\$ 1,050.00	\$ 168.00	\$ 3,528.00	\$ 100.00	\$ 2,100.00	\$ 100.00	\$ 2,100.00	\$ 100.00	\$ 2,100.00
40603415	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 1.5"	TON	280	\$ 80.00	\$ 22,400.00	\$ 90.00	\$ 25,200.00	\$ 88.00	\$ 24,640.00	\$ 106.00	\$ 29,680.00	\$ 126.00	\$ 35,280.00	\$ 107.25	\$ 30,030.00
40602965	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 - 6.5"	TON	1200	\$ 80.00	\$ 96,000.00	\$ 115.00	\$ 138,000.00	\$ 89.00	\$ 106,800.00	\$ 80.00	\$ 96,000.00	\$ 96.00	\$ 115,200.00	\$ 85.25	\$ 102,300.00
*42400100	PORTLAND CEMENT CONCRETE PAVEMENT, 6 INCH	SQ YD	480	\$ 50.00	\$ 24,000.00	\$ 85.00	\$ 40,800.00	\$ 73.00	\$ 35,040.00	\$ 72.00	\$ 34,560.00	\$ 55.00	\$ 26,400.00	\$ 10.00	\$ 4,800.00
*42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SPECIAL	SQ FT	600	\$ 20.00	\$ 12,000.00	\$ 9.00	\$ 5,400.00	\$ 8.00	\$ 4,800.00	\$ 9.25	\$ 5,550.00	\$ 9.00	\$ 5,400.00	\$ 9.00	\$ 5,400.00
*42400800	DETECTABLE WARNINGS	SQ FT	60	\$ 20.00	\$ 1,200.00	\$ 110.00	\$ 6,600.00	\$ 31.00	\$ 1,860.00	\$ 45.00	\$ 2,700.00	\$ 35.00	\$ 2,100.00	\$ 28.00	\$ 1,680.00
*44000100	PAVEMENT REMOVAL	SQ YD	3000	\$ 20.00	\$ 60,000.00	\$ 5.00	\$ 15,000.00	\$ 9.00	\$ 27,000.00	\$ 11.00	\$ 33,000.00	\$ 9.00	\$ 27,000.00	\$ 15.00	\$ 45,000.00
44000600	SIDEWALK REMOVAL	SQ FT	600	\$ 10.00	\$ 6,000.00	\$ 2.50	\$ 1,500.00	\$ 2.00	\$ 1,200.00	\$ 1.50	\$ 900.00	\$ 2.00	\$ 1,200.00	\$ 2.00	\$ 1,200.00
*44200911	CLASS B PATCHES, 6" (SPECIAL)	SQ YD	240	\$ 70.00	\$ 16,800.00	\$ 100.00	\$ 24,000.00	\$ 126.00	\$ 30,240.00	\$ 120.00	\$ 28,800.00	\$ 100.00	\$ 24,000.00	\$ 90.00	\$ 21,600.00
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	300	\$ 60.00	\$ 18,000.00	\$ 95.00	\$ 28,500.00	\$ 62.00	\$ 18,600.00	\$ 106.00	\$ 31,800.00	\$ 70.00	\$ 21,000.00	\$ 66.00	\$ 19,800.00
*56100600	DUCTILE IRON WATER MAIN 6"	FOOT	45	\$ 100.00	\$ 4,500.00	\$ 60.00	\$ 2,700.00	\$ 97.00	\$ 4,365.00	\$ 69.00	\$ 3,105.00	\$ 70.00	\$ 3,150.00	\$ 100.00	\$ 4,500.00
*56100700	DUCTILE IRON WATER MAIN 8"	FOOT	1200	\$ 110.00	\$ 132,000.00	\$ 95.00	\$ 114,000.00	\$ 72.00	\$ 86,400.00	\$ 92.00	\$ 110,400.00	\$ 80.00	\$ 96,000.00	\$ 102.00	\$ 122,400.00
*56101000	WATER MAIN 16" (PVC C900)	FOOT	175	\$ 175.00	\$ 30,625.00	\$ 125.00	\$ 21,875.00	\$ 95.00	\$ 16,625.00	\$ 105.00	\$ 18,375.00	\$ 140.00	\$ 24,500.00	\$ 125.00	\$ 21,875.00
*56105000	GATE VALVES 8"	EACH	3	\$ 2,000.00	\$ 6,000.00	\$ 2,060.00	\$ 6,180.00	\$ 1,260.00	\$ 3,780.00	\$ 2,650.00	\$ 7,950.00	\$ 1,500.00	\$ 4,500.00	\$ 1,800.00	\$ 5,400.00
*56108000	GATE VALVES 16"	EACH	2	\$ 4,000.00	\$ 8,000.00	\$ 7,600.00	\$ 15,200.00	\$ 6,640.00	\$ 13,280.00	\$ 10,000.00	\$ 20,000.00	\$ 8,000.00	\$ 16,000.00	\$ 7,000.00	\$ 14,000.00
*56400500	FIRE HYDRANTS TO BE REMOVED	EACH	2	\$ 750.00	\$ 1,500.00	\$ 300.00	\$ 600.00	\$ 847.00	\$ 1,694.00	\$ 350.00	\$ 700.00	\$ 450.00	\$ 900.00	\$ 1,200.00	\$ 2,400.00
*56400820	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	2	\$ 6,000.00	\$ 12,000.00	\$ 5,200.00	\$ 10,400.00	\$ 6,236.00	\$ 12,472.00	\$ 5,850.00	\$ 11,700.00	\$ 7,000.00	\$ 14,000.00	\$ 6,800.00	\$ 13,600.00
60206905	CATCH BASINS, TYPE C, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	9	\$ 2,000.00	\$ 18,000.00	\$ 2,500.00	\$ 22,500.00	\$ 2,565.00	\$ 23,085.00	\$ 3,000.00	\$ 27,000.00	\$ 1,800.00	\$ 16,200.00	\$ 2,900.00	\$ 26,100.00
60218400	MANHOLE, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	\$ 2,000.00	\$ 2,000.00	\$ 3,000.00	\$ 3,000.00	\$ 5,272.00	\$ 5,272.00	\$ 3,250.00	\$ 3,250.00	\$ 2,500.00	\$ 2,500.00	\$ 3,700.00	\$ 3,700.00
60221100	MANHOLE, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	\$ 2,500.00	\$ 2,500.00	\$ 3,000.00	\$ 3,000.00	\$ 5,594.00	\$ 5,594.00	\$ 5,000.00	\$ 5,000.00	\$ 3,000.00	\$ 3,000.00	\$ 3,700.00	\$ 3,700.00
*60248700	VALVE VAULTS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3	\$ 3,250.00	\$ 9,750.00	\$ 1,440.00	\$ 4,320.00	\$ 3,833.00	\$ 11,499.00	\$ 1,950.00	\$ 5,850.00	\$ 1,500.00	\$ 4,500.00	\$ 2,900.00	\$ 8,700.00
*60248900	VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	\$ 5,000.00	\$ 10,000.00	\$ 1,600.00	\$ 3,200.00	\$ 3,625.00	\$ 7,250.00	\$ 2,500.00	\$ 5,000.00	\$ 2,500.00	\$ 5,000.00	\$ 3,600.00	\$ 7,200.00
*60603800	COMB. CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	190	\$ 30.00	\$ 5,700.00	\$ 65.00	\$ 12,350.00	\$ 61.00	\$ 11,590.00	\$ 55.00	\$ 10,450.00	\$ 50.00	\$ 9,500.00	\$ 40.00	\$ 7,600.00
67100100	MOBILIZATION	L. SUM	1	\$ 25,000.00	\$ 25,000.00	\$ 2,500.00	\$ 2,500.00	\$ 81,461.00	\$ 81,461.00	\$ 3,950.00	\$ 3,950.00	\$ 54,000.00	\$ 54,000.00	\$ 15,000.00	\$ 15,000.00
*NA	ABANDON WATER MAIN AND APPURTENANCES	L. SUM	1	\$ 10,000.00	\$ 10,000.00	\$ 2,000.00	\$ 2,000.00	\$ 1.00	\$ 1.00	\$ 7,500.00	\$ 7,500.00	\$ 500.00	\$ 500.00	\$ 2,500.00	\$ 2,500.00
*NA	AS-BUILT DRAWINGS	L. SUM	1	\$ 5,000.00	\$ 5,000.00	\$ 1,500.00	\$ 1,500.00	\$ 2,839.00	\$ 2,839.00	\$ 3,700.00	\$ 3,700.00	\$ 500.00	\$ 500.00	\$ 1,000.00	\$ 1,000.00
*NA	CONSTRUCTION LAYOUT	L. SUM	1	\$ 7,500.00	\$ 7,500.00	\$ 3,500.00	\$ 3,500.00	\$ 3,872.00	\$ 3,872.00	\$ 8,000.00	\$ 8,000.00	\$ 8,000.00	\$ 8,000.00	\$ 15,000.00	\$ 15,000.00
*NA	DRIVEWAY REMOVAL AND REPLACEMENT	SQ YD	150	\$ 60.00	\$ 9,000.00	\$ 150.00	\$ 22,500.00	\$ 30.00	\$ 4,500.00	\$ 55.00	\$ 8,250.00	\$ 80.00	\$ 12,000.00	\$ 60.00	\$ 9,000.00
*NA	DUCTILE IRON WATER MAIN FITTINGS	POUND	1550	\$ 3.00	\$ 4,650.00	\$ 0.10	\$ 155.00	\$ 5.00	\$ 7,750.00	\$ 6.00	\$ 9,300.00	\$ 15.00	\$ 23,250.00	\$ 5.00	\$ 7,750.00
*NA	PRECONSTRUCTION VIDEO TAPING	L. SUM	1	\$ 5,000.00	\$ 5,000.00	\$ 1,000.00	\$ 1,000.00	\$ 3,082.00	\$ 3,082.00	\$ 2,000.00	\$ 2,000.00	\$ 100.00	\$ 100.00	\$ 1,500.00	\$ 1,500.00
*NA	PRESSURE CONNECTION	EACH	3	\$ 6,500.00	\$ 19,500.00	\$ 5,500.00	\$ 16,500.00	\$ 4,819.00	\$ 14,457.00	\$ 4,500.00	\$ 13,500.00	\$ 2,500.00	\$ 7,500.00	\$ 4,500.00	\$ 13,500.00
*NA	PRESSURE CONNECTION (16")	EACH	1	\$ 10,000.00	\$ 10,000.00	\$ 15,500.00	\$ 15,500.00	\$ 8,282.00	\$ 8,282.00	\$ 19,500.00	\$ 19,500.00	\$ 8,000.00	\$ 8,000.00	\$ 16,000.00	\$ 16,000.00
*NA	SANITARY SERVICE TO BE ADJUSTED	EACH	13	\$ 1,000.00	\$ 13,000.00	\$ 200.00	\$ 2,600.00	\$ 1,274.00	\$ 16,562.00	\$ 250.00	\$ 3,250.00	\$ 500.00	\$ 6,500.00	\$ 800.00	\$ 10,400.00
*NA	CURED-IN-PLACE SEWER LINING, 8"	FOOT	1050	\$ 60.00	\$ 63,000.00	\$ 60.00	\$ 63,000.00	\$ 57.00	\$ 59,850.00	\$ 58.00	\$ 60,900.00	\$ 55.00	\$ 57,750.00	\$ 64.00	\$ 67,200.00
*NA	STORM SEWER, 15"	FOOT	525	\$ 70.00	\$ 36,750.00	\$ 56.00	\$ 29,400.00	\$ 62.00	\$ 32,550.00	\$ 80.00	\$ 42,000.00	\$ 45.00	\$ 23,625.00	\$ 90.00	\$ 47,250.00
*NA	STORM SEWER (WMO), 15"	FOOT	525	\$ 90.00	\$ 47,250.00	\$ 85.00	\$ 44,625.00	\$ 74.00	\$ 38,850.00	\$ 95.00	\$ 49,875.00	\$ 120.00	\$ 63,000.00	\$ 125.00	\$ 65,625.00
*NA	STRUCTURES TO BE ADJUSTED	EACH	10	\$ 500.00	\$ 5,000.00	\$ 500.00	\$ 5,000.00	\$ 472.00	\$ 4,720.00	\$ 525.00	\$ 5,250.00	\$ 400.00	\$ 4,000.00	\$ 650.00	\$ 6,500.00
*NA	STRUCTURES TO BE REMOVED	EACH	10	\$ 6,000.00	\$ 60,000.00	\$ 250.00	\$ 2,500.00	\$ 709.00	\$ 7,090.00	\$ 300.00	\$ 3,000.00	\$ 250.00	\$ 2,500.00	\$ 500.00	\$ 5,000.00
*NA	SUMP PUMP CONNECTION	EACH	20	\$ 1,000.00	\$ 20,000.00	\$ 860.00	\$ 17,200.00	\$ 816.00	\$ 16,320.00	\$ 500.00	\$ 10,000.00	\$ 400.00	\$ 8,000.00	\$ 600.00	\$ 12,000.00
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L. SUM	1	\$ 20,000.00	\$ 20,000.00	\$ 12,000.00	\$ 12,000.00	\$ 2,065.00	\$ 2,065.00	\$ 22,000.00	\$ 22,000.00	\$ 60,000.00	\$ 60,000.00	\$ 23,000.00	\$ 23,000.00
*NA	VALVE BOX, 8"	EACH	3	\$ 2,000.00	\$ 6,000.00	\$ 250.00	\$ 750.00	\$ 1.00	\$ 3.00	\$ 1,000.00	\$ 3,000.00	\$ 400.00	\$ 1,200.00	\$ 400.00	\$ 1,200.00
*NA	VALVE VAULTS TO BE REMOVED	EACH	5	\$ 2,500.00	\$ 12,500.00	\$ 250.00	\$ 1,250.00	\$ 511.00	\$ 2,555.00	\$ 300.00	\$ 1,500.00	\$ 400.00	\$ 2,000.00	\$ 350.00	\$ 1,750.00
*NA	WATER MAIN CONNECTION TO EXISTING WATER MAIN (NON-PRESSURE) - DISCONNECT AND CAP EXISTING	EACH	3	\$ 4,000.00	\$ 12,000.00	\$ 4,000.00	\$ 12,000.00	\$ 2,530.00	\$ 7,590.00	\$ 2,850.00	\$ 8,550.00	\$ 2,500.00	\$ 7,500.00	\$ 2,500.00	\$ 7,500.00
*NA	WATER MAIN REMOVAL 12"	FOOT	50	\$ 15.00	\$ 750.00	\$ 15.00	\$ 750.00	\$ 14.00	\$ 700.00	\$ 20.00	\$ 1,000.00	\$ 17.00	\$ 850.00	\$ 10.00	\$ 500.00
*NA	WATER MAIN REMOVAL 16" (D.I. / TRANSITE)	FOOT	20	\$ 400.00	\$ 8,000.00	\$ 50.00	\$ 1,000.00	\$ 14.00	\$ 280.00	\$ 40.00	\$ 800.00	\$ 17.00	\$ 340.00	\$ 50.00	\$ 1,000.00
*NA	WATER SERVICE REPLACEMENT WITH NEW BUFFALO BOX, 1.5" (LONG SIDE)	EACH	13	\$ 2,500.00	\$ 32,500.00	\$ 3,200.00	\$ 41,600.00	\$ 1,981.00	\$ 25,753.00	\$ 2,400.00	\$ 31,200.00	\$ 2,900.00	\$ 37,700.00	\$ 3,700.00	\$ 48,100.00
*NA	WATER SERVICE REPLACEMENT WITH NEW BUFFALO BOX, 1.5" (SHORT SIDE)	EACH	7	\$ 2,250.00	\$ 15,750.00	\$ 2,500.00	\$ 17,500.00	\$ 1,258.00	\$ 8,806.00	\$ 1,800.00	\$ 12,600.00				

Christopher B. Burke Engineering, Ltd.  
 9575 W Higgins Road, Suite 600  
 Rosemont, IL 60018

City of Zion  
 2021 ALLEY AND WATER MAIN IMPROVEMENTS - ALTERNATE 3

ITEM NO.	PAY ITEM DESCRIPTION	UNIT	QUANTITY	LENNY HOFFMAN EXCAVATING		BERGER EXCAVATING CONTRACTORS, INC.		JOEL KENNEDY CONSTRUCTION CORP.		CAMPANELLA & SONS, INC		PAN-OCEANIC ENGINEERING, INC.	
				UNIT COST	COST	UNIT COST	COST	UNIT COST	COST	UNIT COST	COST	UNIT COST	COST
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	120	\$ 32.00	\$ 3,840.00	\$ 60.00	\$ 7,200.00	\$ 48.00	\$ 5,760.00	\$ 60.50	\$ 7,260.00	\$ 67.16	\$ 8,059.20
*20800150	TRENCH BACKFILL, SPECIAL	CU YD	2100	\$ 1.00	\$ 2,100.00	\$ 25.00	\$ 52,500.00	\$ 10.00	\$ 21,000.00	\$ 86.91	\$ 182,511.00	\$ 1.12	\$ 2,352.00
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	300	\$ 1.50	\$ 450.00	\$ 3.00	\$ 900.00	\$ 3.00	\$ 900.00	\$ 5.00	\$ 1,500.00	\$ 3.21	\$ 963.00
21101615	TOPSOIL, FURNISH AND PLACE 4"	SQ YD	250	\$ 14.00	\$ 3,500.00	\$ 7.00	\$ 1,750.00	\$ 1.00	\$ 250.00	\$ 6.82	\$ 1,705.00	\$ 8.70	\$ 2,175.00
25200110	SODDING, SALT TOLERANT	SQ YD	250	\$ 30.00	\$ 7,500.00	\$ 12.00	\$ 3,000.00	\$ 30.00	\$ 7,500.00	\$ 8.92	\$ 2,230.00	\$ 8.07	\$ 2,017.50
28000510	INLET FILTERS	EACH	10	\$ 168.00	\$ 1,680.00	\$ 195.00	\$ 1,950.00	\$ 200.00	\$ 2,000.00	\$ 125.00	\$ 1,250.00	\$ 195.28	\$ 1,952.80
*30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	120	\$ 53.00	\$ 6,360.00	\$ 68.00	\$ 8,160.00	\$ 58.00	\$ 6,960.00	\$ 68.12	\$ 8,174.40	\$ 111.45	\$ 13,374.00
*40201000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	21	\$ 262.00	\$ 5,502.00	\$ 495.00	\$ 10,395.00	\$ 250.00	\$ 5,250.00	\$ 481.40	\$ 10,109.40	\$ 173.25	\$ 3,638.25
40603415	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 1.5"	TON	280	\$ 103.00	\$ 28,840.00	\$ 126.00	\$ 35,280.00	\$ 98.00	\$ 27,440.00	\$ 99.94	\$ 27,983.20	\$ 149.13	\$ 41,756.40
40602965	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 - 6.5"	TON	1200	\$ 82.00	\$ 98,400.00	\$ 96.00	\$ 115,200.00	\$ 78.00	\$ 93,600.00	\$ 79.44	\$ 95,328.00	\$ 117.73	\$ 141,276.00
*42400100	PORTLAND CEMENT CONCRETE PAVEMENT, 6 INCH	SQ YD	480	\$ 83.00	\$ 39,840.00	\$ 80.00	\$ 38,400.00	\$ 60.00	\$ 28,800.00	\$ 71.92	\$ 34,521.60	\$ 80.16	\$ 38,476.80
*42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SPECIAL	SQ FT	600	\$ 9.00	\$ 5,400.00	\$ 10.00	\$ 6,000.00	\$ 10.00	\$ 6,000.00	\$ 7.66	\$ 4,596.00	\$ 8.78	\$ 5,268.00
*42400800	DETECTABLE WARNINGS	SQ FT	60	\$ 32.00	\$ 1,920.00	\$ 35.00	\$ 2,100.00	\$ 50.00	\$ 3,000.00	\$ 31.50	\$ 1,890.00	\$ 40.31	\$ 2,418.60
*44000100	PAVEMENT REMOVAL	SQ YD	3000	\$ 14.00	\$ 42,000.00	\$ 12.00	\$ 36,000.00	\$ 14.50	\$ 43,500.00	\$ 14.71	\$ 44,130.00	\$ 15.82	\$ 47,460.00
44000600	SIDEWALK REMOVAL	SQ FT	600	\$ 2.00	\$ 1,200.00	\$ 3.00	\$ 1,800.00	\$ 2.00	\$ 1,200.00	\$ 3.14	\$ 1,884.00	\$ 2.50	\$ 1,500.00
*44200911	CLASS B PATCHES, 6" (SPECIAL)	SQ YD	240	\$ 121.00	\$ 29,040.00	\$ 135.00	\$ 32,400.00	\$ 90.00	\$ 21,600.00	\$ 120.75	\$ 28,980.00	\$ 78.99	\$ 18,957.60
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	300	\$ 63.00	\$ 18,900.00	\$ 140.00	\$ 42,000.00	\$ 75.00	\$ 22,500.00	\$ 61.50	\$ 18,450.00	\$ 100.91	\$ 30,273.00
*56100600	DUCTILE IRON WATER MAIN 6"	FOOT	45	\$ 77.00	\$ 3,465.00	\$ 125.00	\$ 5,625.00	\$ 120.00	\$ 5,400.00	\$ 110.64	\$ 4,978.80	\$ 143.43	\$ 6,454.35
*56100700	DUCTILE IRON WATER MAIN 8"	FOOT	1200	\$ 99.00	\$ 118,800.00	\$ 160.00	\$ 192,000.00	\$ 125.00	\$ 150,000.00	\$ 84.04	\$ 100,848.00	\$ 222.40	\$ 266,880.00
*56101000	WATER MAIN 16" (PVC C900)	FOOT	175	\$ 178.00	\$ 31,150.00	\$ 165.00	\$ 28,875.00	\$ 200.00	\$ 35,000.00	\$ 113.61	\$ 19,881.75	\$ 305.48	\$ 53,459.00
*56105000	GATE VALVES 8"	EACH	3	\$ 1,430.00	\$ 4,290.00	\$ 1,500.00	\$ 4,500.00	\$ 1,500.00	\$ 4,500.00	\$ 1,452.50	\$ 4,357.50	\$ 2,167.38	\$ 6,502.14
*56108000	GATE VALVES 16"	EACH	2	\$ 6,356.00	\$ 12,712.00	\$ 7,800.00	\$ 15,600.00	\$ 6,500.00	\$ 13,000.00	\$ 7,835.05	\$ 15,670.10	\$ 8,825.85	\$ 17,651.70
*56400500	FIRE HYDRANTS TO BE REMOVED	EACH	2	\$ 547.00	\$ 1,094.00	\$ 1,000.00	\$ 2,000.00	\$ 500.00	\$ 1,000.00	\$ 805.00	\$ 1,610.00	\$ 1,005.24	\$ 2,010.48
*56400820	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	2	\$ 5,056.00	\$ 10,112.00	\$ 5,800.00	\$ 11,600.00	\$ 12,000.00	\$ 24,000.00	\$ 4,822.50	\$ 9,645.00	\$ 7,202.78	\$ 14,405.56
60209605	CATCH BASINS, TYPE C, 4' DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	9	\$ 2,540.00	\$ 22,860.00	\$ 3,400.00	\$ 30,600.00	\$ 4,200.00	\$ 37,800.00	\$ 2,839.80	\$ 25,558.20	\$ 2,705.05	\$ 24,345.45
60218400	MANHOLE, TYPE A, 4' DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	\$ 2,540.00	\$ 2,540.00	\$ 3,000.00	\$ 3,000.00	\$ 4,000.00	\$ 4,000.00	\$ 2,400.00	\$ 2,400.00	\$ 4,057.85	\$ 4,057.85
60221100	MANHOLE, TYPE A, 5' DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	\$ 3,000.00	\$ 3,000.00	\$ 4,400.00	\$ 4,400.00	\$ 4,500.00	\$ 4,500.00	\$ 3,953.60	\$ 3,953.60	\$ 5,762.08	\$ 5,762.08
*60248700	VALVE VAULTS, TYPE A, 4' DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3	\$ 2,487.00	\$ 7,461.00	\$ 4,500.00	\$ 13,500.00	\$ 4,000.00	\$ 12,000.00	\$ 3,953.60	\$ 11,860.80	\$ 4,215.93	\$ 12,647.79
*60248900	VALVE VAULTS, TYPE A, 5' DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	\$ 2,918.00	\$ 5,836.00	\$ 6,500.00	\$ 13,000.00	\$ 4,500.00	\$ 9,000.00	\$ 4,258.60	\$ 8,517.20	\$ 4,197.24	\$ 8,394.48
*60603800	COMB. CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	190	\$ 59.00	\$ 11,210.00	\$ 55.00	\$ 10,450.00	\$ 48.00	\$ 9,120.00	\$ 42.00	\$ 7,980.00	\$ 57.66	\$ 10,955.40
67100100	MOBILIZATION	L. SUM	1	\$ 63,000.00	\$ 63,000.00	\$ 10,897.02	\$ 10,897.02	\$ 70,000.00	\$ 70,000.00	\$ 14,820.00	\$ 14,820.00	\$ 38,274.10	\$ 38,274.10
*NA	ABANDON WATER MAIN AND APPURTENANCES	L. SUM	1	\$ 1,920.00	\$ 1,920.00	\$ 10,000.00	\$ 10,000.00	\$ 1,000.00	\$ 1,000.00	\$ 4,267.20	\$ 4,267.20	\$ 4,075.95	\$ 4,075.95
*NA	AS-BUILT DRAWINGS	L. SUM	1	\$ 3,100.00	\$ 3,100.00	\$ 2,000.00	\$ 2,000.00	\$ 500.00	\$ 500.00	\$ 1,025.00	\$ 1,025.00	\$ 6,727.64	\$ 6,727.64
*NA	CONSTRUCTION LAYOUT	L. SUM	1	\$ 5,200.00	\$ 5,200.00	\$ 3,000.00	\$ 3,000.00	\$ 8,000.00	\$ 8,000.00	\$ 2,562.50	\$ 2,562.50	\$ 6,727.64	\$ 6,727.64
*NA	DRIVEWAY REMOVAL AND REPLACEMENT	SQ YD	150	\$ 49.00	\$ 7,350.00	\$ 80.00	\$ 12,000.00	\$ 75.00	\$ 11,250.00	\$ 105.00	\$ 15,750.00	\$ 101.61	\$ 15,241.50
*NA	DUCTILE IRON WATER MAIN FITTINGS	POUND	1550	\$ 0.01	\$ 15.50	\$ 8.00	\$ 12,400.00	\$ 6.50	\$ 10,075.00	\$ 9.79	\$ 15,174.50	\$ 5.05	\$ 7,827.50
*NA	PRECONSTRUCTION VIDEO TAPING	L. SUM	1	\$ 3,135.00	\$ 3,135.00	\$ 3,400.00	\$ 3,400.00	\$ 2,500.00	\$ 2,500.00	\$ 431.25	\$ 431.25	\$ 3,347.00	\$ 3,347.00
*NA	PRESSURE CONNECTION	EACH	3	\$ 6,975.00	\$ 20,925.00	\$ 5,400.00	\$ 16,200.00	\$ 3,200.00	\$ 9,600.00	\$ 8,281.20	\$ 24,843.60	\$ 7,022.41	\$ 21,067.23
*NA	PRESSURE CONNECTION (16")	EACH	1	\$ 20,239.00	\$ 20,239.00	\$ 20,000.00	\$ 20,000.00	\$ 14,000.00	\$ 14,000.00	\$ 17,167.20	\$ 17,167.20	\$ 12,559.82	\$ 12,559.82
*NA	SANITARY SERVICE TO BE ADJUSTED	EACH	13	\$ 1,000.00	\$ 13,000.00	\$ 3,000.00	\$ 39,000.00	\$ 750.00	\$ 9,750.00	\$ 908.70	\$ 11,813.10	\$ 2,779.51	\$ 36,133.63
*NA	CURED-IN-PLACE SEWER LINING, 8"	FOOT	1050	\$ 58.00	\$ 60,900.00	\$ 56.00	\$ 58,800.00	\$ 98.00	\$ 102,900.00	\$ 109.64	\$ 115,122.00	\$ 98.11	\$ 103,015.50
*NA	STORM SEWER, 15"	FOOT	525	\$ 67.00	\$ 35,175.00	\$ 75.00	\$ 39,375.00	\$ 135.00	\$ 70,875.00	\$ 117.04	\$ 61,446.00	\$ 143.87	\$ 75,531.75
*NA	STORM SEWER (WMQ), 15"	FOOT	525	\$ 73.00	\$ 38,325.00	\$ 105.00	\$ 55,125.00	\$ 140.00	\$ 73,500.00	\$ 101.45	\$ 53,261.25	\$ 147.53	\$ 77,453.25
*NA	STRUCTURES TO BE ADJUSTED	EACH	10	\$ 780.00	\$ 7,800.00	\$ 550.00	\$ 5,500.00	\$ 550.00	\$ 5,500.00	\$ 390.00	\$ 3,900.00	\$ 252.94	\$ 2,529.40
*NA	STRUCTURES TO BE REMOVED	EACH	10	\$ 693.00	\$ 6,930.00	\$ 300.00	\$ 3,000.00	\$ 150.00	\$ 1,500.00	\$ 286.00	\$ 2,860.00	\$ 981.46	\$ 9,814.60
*NA	SUMP PUMP CONNECTION	EACH	20	\$ 1,500.00	\$ 30,000.00	\$ 600.00	\$ 12,000.00	\$ 1,000.00	\$ 20,000.00	\$ 1,320.60	\$ 26,412.00	\$ 1,100.49	\$ 22,009.80
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L. SUM	1	\$ 53,799.50	\$ 53,799.50	\$ 10,000.00	\$ 10,000.00	\$ 30,000.00	\$ 30,000.00	\$ 6,508.75	\$ 6,508.75	\$ 7,120.08	\$ 7,120.08
*NA	VALVE BOX, 8"	EACH	3	\$ 452.00	\$ 1,356.00	\$ 450.00	\$ 1,350.00	\$ 2,000.00	\$ 6,000.00	\$ 820.15	\$ 2,460.45	\$ 370.02	\$ 1,110.06
*NA	VALVE VAULTS TO BE REMOVED	EACH	5	\$ 584.00	\$ 2,920.00	\$ 600.00	\$ 3,000.00	\$ 200.00	\$ 1,000.00	\$ 906.67	\$ 4,533.35	\$ 1,112.76	\$ 5,563.80
*NA	WATER MAIN CONNECTION TO EXISTING WATER MAIN (NON-PRESSURE) - DISCONNECT AND CAP EXISTING	EACH	3	\$ 6,864.00	\$ 20,592.00	\$ 7,000.00	\$ 21,000.00	\$ 5,300.00	\$ 15,900.00	\$ 3,053.45	\$ 9,160.35	\$ 8,570.20	\$ 25,710.60
*NA	WATER MAIN REMOVAL 12"	FOOT	50	\$ 17.00	\$ 850.00	\$ 57.00	\$ 2,850.00	\$ 10.00	\$ 500.00	\$ 25.67	\$ 1,283.50	\$ 80.91	\$ 4,045.50
*NA	WATER MAIN REMOVAL 16" (D.I. / TRANSITE)	FOOT	20	\$ 50.00	\$ 1,000.00	\$ 100.00	\$ 2,000.00	\$ 30.00	\$ 600.00	\$ 200.00	\$ 4,000.00	\$ 140.51	\$ 2,810.20
*NA	WATER SERVICE REPLACEMENT WITH NEW BUFFALO BOX, 1.5" (LONG SIDE)	EACH	13	\$ 4,026.00	\$ 52,338.00	\$ 3,880.00	\$ 50,440.00	\$ 4,200.00	\$ 54,600.00	\$ 3,887.19	\$ 50,533.47	\$ 3,337.26	\$ 43,384.38
*NA	WATER SERVICE REPLACEMENT WITH NEW BUFFALO BOX, 1.5" (SHORT SIDE)	EACH	7	\$ 3,370.00	\$ 23,590.00	\$ 3,100.00	\$ 21,700.00	\$ 3,600.00	\$ 25,200.00	\$ 2,645.00	\$ 18,515.00	\$ 2,853.75	\$ 19,976.25
*INDICATES SPECIAL PROVISION					\$ 1,004,462.00	\$ 1,145,222.02	\$ 1,151,330.00	\$ 1,151,330.00	\$ 1,151,330.00	\$ 1,151,330.00	\$ 1,151,330.00	\$ 1,151,330.00	\$ 1,151,330.00