

**January 15, 2024**

**Agenda Item #2a**

**2-24 Tobacnoir Street Area Utility Relay – Phase 1**

**Background**

The Engineering Department has reviewed and analyzed the bids from Carl Bowers & Sons, Feaker, Kruzcek, De Groot, Dorner, Jossart, PTS, and Calnin & Goss received on January 10<sup>th</sup>, 2024 at 4:00PM for the 2-24 Tobacnoir Street Area Utility Relay project. The Engineering Department received eight bids this year and also created an engineer's estimate prior to bid opening.

**Review**

The Engineering Department has compared the eight received bids against the engineers estimate. The two lowest bidders are within \$53,243.55 with their total bid, which is a good indication that they are competitive, yet the City is also getting a much better price. The six lowest bids were within \$353,177 of one another, again showing the competitiveness and that the City is receiving great prices for the work to be completed. The engineer's estimate is compiled utilizing previous years' prices and adjusted for inflation and changes in work descriptions, and three of the bids were lower than that estimate. Attached are comparison files showing the pricing differences between the eight received bids and between the engineer estimate and low bidder.

**Recommended Action**

Award Project 2-24 Tobacnoir Street Area Utility Relay – Phase 1 to Carl Bowers & Sons, Kaukauna, WI for all units, an amount of \$2,482,213.00.

CITY OF KAUKAUNA
PROJECT 2-24 TOBACNOIR STREET AREA UTILITY RELAY - PHASE 1
BROTHERS STREET, DIVISION STREET, TOBACNOIR STREET, KAUKAUNA STREET, BLACKWELL STREET, DESNOYER STREET, OVIATT STREET

UNIT A - SANITARY SEWERS & LATERALS				CARL BOWERS & SONS		FEAKER & SONS		KRUCZEK		DE GROOT		DORNER		JOSSART		PTS		CALNIN & GOSS	
ITEM	DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE
A1	Furnish and Install 8" PVC Sanitary Sewer, 3385 lineal feet, more or less, all complete for:	3385	LF	\$65.00	\$220,025.00	\$64.00	\$216,640.00	\$63.50	\$214,947.50	\$61.63	\$208,617.55	\$69.00	\$233,565.00	\$79.00	\$267,415.00	\$71.00	\$240,335.00	\$89.42	\$302,686.70
A2	Furnish and Install 10" PVC Sanitary Sewer, 910 lineal feet, more or less, all complete for:	910	LF	\$76.00	\$69,160.00	\$75.00	\$68,250.00	\$75.50	\$68,705.00	\$70.30	\$63,973.00	\$79.00	\$71,890.00	\$85.00	\$77,350.00	\$81.00	\$73,710.00	\$104.12	\$94,749.20
A3	Furnish and Install 12" PVC Sanitary Sewer, 580 lineal feet, more or less, all complete for:	580	LF	\$85.00	\$49,300.00	\$86.00	\$49,880.00	\$84.00	\$48,720.00	\$85.66	\$49,682.80	\$92.00	\$53,360.00	\$94.00	\$54,520.00	\$91.00	\$52,780.00	\$112.80	\$65,424.00
A4	Furnish and Install 15" PVC Sanitary Sewer, 200 lineal feet, more or less, all complete for:	200	LF	\$100.00	\$20,000.00	\$106.00	\$21,200.00	\$96.00	\$19,200.00	\$118.03	\$23,606.00	\$116.00	\$23,200.00	\$107.00	\$21,400.00	\$101.00	\$20,200.00	\$133.52	\$26,704.00
A5	Furnish and Install 24" PVC Sanitary Sewer, 5 lineal feet, more or less, all complete for:	5	LF	\$325.00	\$1,625.00	\$635.00	\$3,175.00	\$439.00	\$2,195.00	\$550.45	\$2,752.25	\$481.00	\$2,405.00	\$500.00	\$2,500.00	\$295.00	\$1,475.00	\$277.71	\$1,388.55
A6	Furnish and Install 48" Diameter Sanitary Manhole, 210 vertical feet, more or less, all complete for:	210	VF	\$480.00	\$100,800.00	\$565.00	\$118,650.00	\$700.00	\$147,000.00	\$622.58	\$130,741.80	\$557.00	\$116,970.00	\$530.00	\$111,300.00	\$685.00	\$143,850.00	\$944.14	\$198,269.40
A7	Furnish and install Sanitary Sewer Main & Manhole Construction Staking, 1 lump sum, all complete for:	1	LS	\$4,650.00	\$4,650.00	\$4,790.00	\$4,790.00	\$4,800.00	\$4,800.00	\$4,646.00	\$4,646.00	\$4,790.00	\$4,790.00	\$5,000.00	\$5,000.00	\$4,735.00	\$4,735.00	\$5,689.27	\$5,689.27
A8	Abandon Sanitary Sewer Manhole, 3 each, more or less, all complete for	3	EA	\$500.00	\$1,500.00	\$340.00	\$1,020.00	\$466.00	\$1,398.00	\$606.00	\$1,818.00	\$382.00	\$1,146.00	\$500.00	\$1,500.00	\$350.00	\$1,050.00	\$828.94	\$2,486.82
A9	Abandon 8" Sanitary Sewer Main, 22 lineal feet, more or less, all complete for:	22	LF	\$8.00	\$176.00	\$8.00	\$176.00	\$28.00	\$616.00	\$12.12	\$266.64	\$22.00	\$484.00	\$25.00	\$550.00	\$41.00	\$902.00	\$149.95	\$3,298.90
A10	Abandon 12" Sanitary Sewer Main, 21 lineal feet, more or less, all complete for:	21	LF	\$12.00	\$252.00	\$12.00	\$252.00	\$29.00	\$609.00	\$15.15	\$318.15	\$26.00	\$546.00	\$25.00	\$525.00	\$41.00	\$861.00	\$157.09	\$3,298.89
A11	Verify Existing Sanitary Lateral Location as called out on plan (not including "Verify if active" notes), 8 each, more or less, all complete for:	8	EA	\$500.00	\$4,000.00	\$425.00	\$3,400.00	\$700.00	\$5,600.00	\$404.00	\$3,232.00	\$1,785.00	\$14,280.00	\$500.00	\$4,000.00	\$230.00	\$1,840.00	\$611.86	\$4,894.88
A12	Furnish and install 4" PVC laterals in public right of way, 3240 lineal feet, more or less, all complete for:	3240	LF	\$56.00	\$181,440.00	\$57.00	\$184,680.00	\$61.75	\$200,070.00	\$50.08	\$162,259.20	\$73.00	\$236,520.00	\$74.00	\$239,760.00	\$100.00	\$324,000.00	\$95.53	\$309,517.20
A13	Furnish and install 6" PVC laterals in public right of way, 100 lineal feet, more or less, all complete for:	100	LF	\$59.00	\$5,900.00	\$61.00	\$6,100.00	\$66.00	\$6,600.00	\$55.55	\$5,555.00	\$80.00	\$8,000.00	\$79.00	\$7,900.00	\$106.00	\$10,600.00	\$119.55	\$11,955.00
A14	Furnish and install 4" PVC private laterals excavated, 200 lineal feet including turf restoration, more or less, all complete for:	200	LF	\$30.00	\$6,000.00	\$48.00	\$9,600.00	\$91.50	\$18,300.00	\$91.87	\$18,374.00	\$58.00	\$11,600.00	\$74.00	\$14,800.00	\$99.00	\$19,800.00	\$89.56	\$17,912.00
A15	Furnish and install 6" PVC private laterals excavated, 50 lineal feet including turf restoration, more or less, all complete for:	50	LF	\$40.00	\$2,000.00	\$52.00	\$2,600.00	\$95.00	\$4,750.00	\$93.93	\$4,696.50	\$62.00	\$3,100.00	\$79.00	\$3,950.00	\$103.00	\$5,150.00	\$117.16	\$5,858.00
A16	Furnish and Pipe Burst 4" HDPE Private lateral to interior cleanout <u>without</u> WATER set-up, 1000 lineal feet, more or less, all complete for:	1000	LF	\$5.00	\$5,000.00	\$5.15	\$5,150.00	\$5.00	\$5,000.00	\$5.20	\$5,200.00	\$5.20	\$5,200.00	\$5.25	\$5,250.00	\$5.00	\$5,000.00	\$6.12	\$6,120.00
A17	Furnish and Pipe Burst 6" HDPE Private lateral to interior cleanout <u>without</u> WATER set-up, 50 lineal feet, more or less, all complete for:	50	LF	\$7.00	\$350.00	\$7.20	\$360.00	\$7.00	\$350.00	\$7.28	\$364.00	\$7.20	\$360.00	\$7.35	\$367.50	\$7.00	\$350.00	\$18.36	\$918.00
A18	Mid Pit Excavations for Sanitary Sewer Lateral replacement <u>without</u> WATER set-up, 15 each, more or less, all complete for:	15	EA	\$600.00	\$9,000.00	\$620.00	\$9,300.00	\$612.00	\$9,180.00	\$832.24	\$12,483.60	\$618.00	\$9,270.00	\$630.00	\$9,450.00	\$610.00	\$9,150.00	\$611.86	\$9,177.90
A19	Furnish and install new interior cleanout <u>without</u> WATER set-up, including all interior connections, 25 Each, more or less, all complete for:	25	EA	\$2,750.00	\$68,750.00	\$2,830.00	\$70,750.00	\$2,800.00	\$70,000.00	\$2,860.83	\$71,520.75	\$2,833.00	\$70,825.00	\$2,900.00	\$72,500.00	\$2,800.00	\$70,000.00	\$3,671.17	\$91,779.25
A20	Furnish and Pipe Burst 4" HDPE Private lateral <u>with</u> WATER set-up, 2500 lineal feet, more or less, all complete for:	2500	LF	\$5.00	\$12,500.00	\$5.15	\$12,875.00	\$5.00	\$12,500.00	\$5.20	\$13,000.00	\$5.20	\$13,000.00	\$5.25	\$13,125.00	\$5.00	\$12,500.00	\$6.12	\$15,300.00
A21	Furnish and install new interior cleanout <u>with</u> WATER set-up, including interior connections, 90 each, all complete for:	90	EA	\$1,000.00	\$90,000.00	\$1,030.00	\$92,700.00	\$1,000.00	\$90,000.00	\$1,040.30	\$93,627.00	\$1,030.00	\$92,700.00	\$1,050.00	\$94,500.00	\$1,020.00	\$91,800.00	\$611.86	\$55,067.40
A22	Furnish exterior connection for pipe bursting, including all restoration, 5 each, more or less, all complete for:	5	EA	\$2,000.00	\$10,000.00	\$2,060.00	\$10,300.00	\$2,000.00	\$10,000.00	\$2,080.60	\$10,403.00	\$2,060.00	\$10,300.00	\$2,100.00	\$10,500.00	\$2,036.00	\$10,180.00	\$2,447.44	\$12,237.20
A23	Furnish and install new floor drain, including clean up and restoration, 40 each, more or less, all complete for:	40	EA	\$100.00	\$4,000.00	\$103.00	\$4,120.00	\$100.00	\$4,000.00	\$104.03	\$4,161.20	\$103.00	\$4,120.00	\$105.00	\$4,200.00	\$102.00	\$4,080.00	\$122.37	\$4,894.80
A24	Furnish and install backflow valve, including all associated work, 60 each, more or less, all complete for:	60	EA	\$200.00	\$12,000.00	\$205.00	\$12,300.00	\$200.00	\$12,000.00	\$208.06	\$12,483.60	\$206.00	\$12,360.00	\$210.00	\$12,600.00	\$204.00	\$12,240.00	\$305.93	\$18,355.80
A25	Furnish and Install sump pit, including all associated work, 20 each, more or less, all complete for:	20	EA	\$250.00	\$5,000.00	\$260.00	\$5,200.00	\$255.00	\$5,100.00	\$260.08	\$5,201.60	\$258.00	\$5,160.00	\$265.00	\$5,300.00	\$255.00	\$5,100.00	\$917.79	\$18,355.80
A26	Provide televising for all new sanitary sewer main, 5080 lineal feet, more or less, all complete for:	5080	LF	\$1.35	\$6,858.00	\$1.35	\$6,858.00	\$1.35	\$6,858.00	\$1.62	\$8,229.60	\$1.30	\$6,604.00	\$1.50	\$7,620.00	\$1.35	\$6,858.00	\$1.59	\$8,077.20
A27	Provide televising for all new sanitary sewer laterals, 110 each, more or less, all complete for:	110	EA	\$125.00	\$13,750.00	\$98.00	\$10,780.00	\$97.00	\$10,670.00	\$101.00	\$11,110.00	\$98.00	\$10,780.00	\$100.00	\$11,000.00	\$97.00	\$10,670.00	\$116.25	\$12,787.50
				UNIT TOTAL	\$904,036.00	UNIT TOTAL	\$931,106.00	UNIT TOTAL	\$979,168.50	UNIT TOTAL	\$928,323.24	UNIT TOTAL	\$1,022,535.00	UNIT TOTAL	\$1,058,882.50	UNIT TOTAL	\$1,139,216.00	UNIT TOTAL	\$1,307,203.66

UNIT B - WATER MAINS & SERVICES																			
ITEM	DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE
B1	Furnish and install 6" PVC Water Main, 200 lineal feet, more or less, all complete for:	200	LF	\$71.00	\$14,200.00	\$85.00	\$17,000.00	\$98.50	\$19,700.00	\$70.38	\$14,076.00	\$67.00	\$13,400.00	\$75.00	\$15,000.00	\$78.00	\$15,600.00	\$113.42	\$22,684.00
B2	Furnish and install 8" PVC Water Main, 5200 lineal feet, more or less, all complete for:	5200	LF	\$68.00	\$353,600.00	\$75.00	\$390,000.00	\$78.50	\$408,200.00	\$74.42	\$386,984.00	\$76.00	\$395,200.00	\$81.00	\$421,200.00	\$84.00	\$436,800.00	\$103.25	\$536,900.00
B3	Furnish and install 6" Water Valve, 10 each, more or less, all complete for:	10	EA	\$2,600.00	\$26,000.00	\$2,150.00	\$21,500.00	\$2,360.00	\$23,600.00	\$2,446.22	\$24,462.20	\$2,959.00	\$29,590.00	\$2,325.00	\$23,250.00	\$2,125.00	\$21,250.00	\$3,129.97	\$31,299.70
B4	Furnish and install 8" Water Valve, 26 each, more or less, all complete for:	26	EA	\$3,200.00	\$83,200.00	\$2,900.00	\$75,400.00	\$3,230.00	\$83,980.00	\$3,298.66	\$85,765.16	\$3,632.00	\$94,432.00	\$3,200.00	\$83,200.00	\$2,875.00	\$74,750.00	\$4,009.58	\$104,249.08
B5	Furnish and install 7.5' Bury Hydrants, 10 each, more or less, all complete for:	10	EA	\$6,500.00	\$65,000.00	\$6,150.00	\$61,500.00	\$7,100.00	\$71,000.00	\$6,632.67	\$66,326.70	\$7,029.00	\$70,290.00	\$6,400.00	\$64,000.00	\$6,200.00	\$62,000.00	\$7,215.56	\$72,155.60
B6	Furnish and install 1" water service set on 8" main, 106 each, more or less, all complete for:	106	EA	\$700.00	\$74,200.00	\$570.00	\$60,420.00	\$500.00	\$53,000.00	\$1,087.92	\$115,319.52	\$700.00	\$74,200.00	\$550.00	\$58,300.00	\$605.00	\$64,130.00	\$763.50	\$80,931.00
B7	Furnish and install 1" water service, 2620 lineal feet, more or less, all complete for:	2620	LF	\$46.00	\$120,520.00	\$46.00	\$120,520.00	\$45.00	\$117,900.00	\$30.51	\$79,936.20	\$55.00	\$144,100.00	\$64.00	\$167,680.00	\$68.00	\$178,160.00	\$80.94	\$212,062.80
B8	Furnish and install Construction Staking for Water related items, 1 lump sum, all complete for:	1	LS	\$5,200.00	\$5,200.00	\$5,265.00	\$5,265.00	\$5,201.50	\$5,201.50	\$5,858.00	\$5,858.00	\$5,268.00	\$5,268.00	\$5,500.00	\$5,500.00	\$5,200.00	\$5,200.00	\$6,257.01	\$6,257.01
B9	Furnish and install Temporary water service, 1700 lineal feet, more or less, all complete for:	1700	LF	\$0.01	\$17.00	\$3.70	\$6,290.00	\$5.00	\$8,500.00	\$10.10	\$17,170.00	\$5.40	\$9,180.00	\$8.00	\$13,600.00	\$8.00	\$13,600.00	\$4.42	\$7,514.00
B10	Salvage Hydrants, Close Valves, and Remove Boxes, 1 Lump Sum, all complete for:	1	LS	\$5,000.00	\$5,000.00	\$6,450.00	\$6,450.00	\$7,000.00	\$7,000.00	\$7,575.00	\$7,575.00	\$8,188.00	\$8,188.00	\$7,500.00	\$7,500.00	\$5,600.00	\$5,600.00	\$382.27	\$382.27
B11	Pull Preparation and Setup for Copper Water Service Replacement, 10 each, more or less, all complete for:	10	EA	\$1,900.00	\$19,000.00	\$1,955.00	\$19,550.00	\$1,935.00	\$19,350.00	\$1,976.57	\$19,765.70	\$1,957.00	\$19,570.00	\$2,000.00	\$20,000.00	\$1,935.00	\$19,350.00	\$3,059.31	\$30,593.10
B12	Furnish and install 1" Private Water Service Replacement for existing copper - Pulled along with sewer, 250 lineal feet, more or less, all complete for:	250	LF	\$3.00	\$750.00	\$3.10	\$775.00	\$3.00	\$750.00	\$3.12	\$780.00	\$3.10	\$775.00	\$3.15	\$787.50	\$3.00	\$750.00	\$6.12	\$1,530.00
B13	Furnish and install 1" Private Water Service Replacement for existing copper - Pulled separate, 100 lineal feet, more or less, all complete for:	100	LF	\$3.00	\$300.00	\$3.10	\$310.00	\$3.00	\$300.00	\$3.12	\$312.00	\$3.10	\$310.00	\$3.15	\$315.00	\$3.00	\$300.00	\$6.12	\$612.00
B14	Provide interior water service reconnection for existing copper, 10 each, more or less, all complete for:	10	EA	\$200.00	\$2,000.00	\$205.00	\$2,050.00	\$200.00	\$2,000.00	\$208.06	\$2,080.60	\$206.00	\$2,060.00	\$210.00	\$2,100.00	\$205.00	\$2,050.00	\$428.30	\$4,283.00
B15	Provide new electrical grounding as required due to existing copper water service replacement, 10 each, more or less, all complete for:	10	EA	\$450.00	\$4,500.00	\$465.00	\$4,650.00	\$450.00	\$4,500.00	\$468.14	\$4,681.40	\$464.00	\$4,640.00	\$475.00	\$4,750.00	\$460.00	\$4,600.00	\$550.68	\$5,506.80
B16	Mid Pit Excavations for Copper Water Service Replacement, 5 each, more or less, all complete for:	5	EA	\$600.00	\$3,000.00	\$620.00	\$3,100.00	\$600.00	\$3,000.00	\$624.18	\$3,120.90	\$618.00	\$3,090.00	\$630.00	\$3,150.00	\$610.00	\$3,050.00	\$305.93	\$1,529.65
B17	Pull Preparation and Setup for Lead Water Service Replacement, 51 each, more or less, all complete for:	51	EA	\$1,900.00	\$96,900.00	\$1,955.00	\$99,705.00	\$1,940.00	\$98,940.00	\$1,976.57	\$100,805.07	\$1,957.00	\$99,807.00	\$2,000.00	\$102,000.00	\$1,935.00	\$98,685.00	\$3,059.31	\$156,024.81
B18	Furnish and install 1" Private Water Service Replacement for existing lead - Pulled along with sewer, 2250 lineal feet, more or less, all complete for:	2250	LF	\$3.00	\$6,750.00	\$3.10	\$6,975.00	\$3.00	\$6,750.00	\$3.12	\$7,020.00	\$3.10	\$6,975.00	\$3.15	\$7,087.50	\$3.00	\$6,750.00	\$6.12	\$13,770.00
B19	Furnish and install 1" Private Water Service Replacement for existing lead - Pulled separate, 250 lineal feet, more or less, all complete for:	250	LF	\$3.00	\$750.00	\$3.10	\$775.00	\$3.00	\$750.00	\$3.12	\$780.00	\$3.10	\$775.00	\$3.15	\$787.50	\$3.00	\$750.00	\$6.12	\$1,530.00
B20	Provide interior water service reconnection for existing lead, 51 each, more or less, all complete for:	51	EA	\$200.00	\$10,200.00	\$2.05	\$104.55	\$200.00	\$10,200.00	\$208.06	\$10,611.06	\$206.00	\$10,506.00	\$210.00	\$10,710.00	\$205.00	\$10,455.00	\$482.30	\$24,597.30
B21	Provide new electrical grounding as required due to existing lead water service replacement, 51 each, more or less, all complete for:	51	EA	\$450.00	\$22,950.00	\$465.00	\$23,715.00	\$460.00	\$23,460.00	\$468.14	\$23,875.14	\$464.00	\$23,664.00	\$475.00	\$24,225.00	\$460.00	\$23,460.00	\$550.68	\$28,084.68
B22	Mid Pit Excavations for Lead Water Service Replacement, 10 each, more or less, all complete for:	10	EA	\$600.00	\$6,000.00	\$618.00	\$6,180.00	\$600.00	\$6,000.00	\$832.24	\$8,322.40	\$618.00	\$6,180.00	\$630.00	\$6,300.00	\$610.00	\$6,100.00	\$305.93	\$3,059.30
				UNIT TOTAL	\$920,037.00	UNIT TOTAL	\$932,234.55	UNIT TOTAL	\$974,081.50	UNIT TOTAL	\$985,627.05	UNIT TOTAL	\$1,022,200.00	UNIT TOTAL	\$1,041,442.50	UNIT TOTAL	\$1,053,390.00	UNIT TOTAL	\$1,345,556.10

UNIT C - GENERAL/RESTORATION																			
ITEM	DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE
C1	Furnish and install granular backfill as directed by Engineer, 500 tons, more or less, all complete for:	500	TON	\$13.75	\$6,875.00	\$12.85	\$6,425.00	\$15.00	\$7,500.00	\$20.71	\$10,355.00	\$15.00	\$7,500.00	\$15.00	\$7,500.00	\$20.00	\$10,000.00	\$31.11	\$15,555.00
C2	Furnish and install 1 1/4" dense graded base, 10000 tons, more or less, all complete for:	10000	TON	\$13.75	\$137,500.00	\$12.85	\$128,500.00	\$15.00	\$150,000.00	\$15.66	\$156,600.00	\$13.90	\$139,000.00	\$13.15	\$131,500.00	\$17.00	\$170,000.00	\$31.10	\$311,000.00
C3	Furnish and install 3" stone base, 500 tons, more or less, all complete for:	500	TON	\$13.75	\$6,875.00	\$13.15	\$6,575.00	\$15.00	\$7,500.00	\$16.16	\$8,080.00	\$15.00	\$7,500.00	\$13.15	\$6,575.00	\$18.00	\$9,000.00	\$31.46	\$15,730.00
C4	Furnish, install, full depth saw cutting of all pavements and walk, 1 Lump Sum, all complete for:	1	LS	\$5,600.00	\$5,600.00	\$7,500.00	\$7,500.00	\$12,000.00	\$12,000.00	\$40,400.00	\$40,400.00	\$20,242.00	\$20,242.00	\$15,000.00	\$15,000.00	\$18,500.00	\$18,500.00	\$7,029.52	\$7,029.52
C5	Furnish all prep work for asphalt overlay and trench patching, including milling, butt joints, fine grading, etc., 1 Lump Sum, all complete for:	1	LS	\$120,000.00	\$120,000.00	\$123,000.00	\$123,000.00	\$117,000.00	\$117,000.00	\$124,315.85	\$124,315.85	\$123,083.00	\$123,083.00	\$125,000.00	\$125,000.00	\$121,700.00	\$121,700.00	\$146,205.44	\$146,205.44
C6	Furnish and install materials to Adjust Manholes, 16 each, more or less, all complete for:	16	EA	\$545.00	\$8,720.00	\$560.00	\$8,960.00	\$600.00	\$9,600.00	\$858.50	\$13,736.00	\$569.00	\$9,104.00	\$575.00	\$9,200.00	\$470.00	\$7,520.00	\$1,532.16	\$24,514.56
C7	Furnish and install 2" asphalt overlay, 22000 square yards, more or less, all complete for:	22000	SY	\$12.40	\$272,800.00	\$12.75	\$280,500.00	\$11.50	\$253,000.00	\$12.90	\$283,800.00	\$12.80	\$281,600.00	\$13.00	\$286,000.00	\$12.65	\$278,300.00	\$15.17	\$333,740.00
C8	Furnish and install 2" asphalt trench patch, 300 square yards, more or less, all complete for:	300	SY	\$18.40	\$5,520.00	\$19.00	\$5,700.00	\$17.50	\$5,250.00	\$19.14	\$5,742.00	\$19.00	\$5,700.00	\$19.30	\$5,790.00	\$18.75	\$5,625.00	\$22.52	\$6,756.00
C9	Furnish and install 2" asphalt patches for sidewalk and driveway patches, 150 tons, more or less, all complete for:	150	TON	\$245.00	\$36,750.00	\$253.00	\$37,950.00	\$240.00	\$36,000.00	\$254.87	\$38,230.50	\$252.00	\$37,800.00	\$260.00	\$39,000.00	\$250.00	\$37,500.00	\$299.81	\$44,971.50
C10	Furnish and install turf restoration for all disturbed areas public work, 1 Lump Sum, all complete for:	1	LS	\$21,200.00	\$21,200.00	\$19,906.00	\$19,906.00	\$10,000.00	\$10,000.00	\$35,350.00	\$35,350.00	\$22,980.00	\$22,980.00	\$30,000.00	\$30,000.00	\$24,500.00	\$24,500.00	\$7,932.85	\$7,932.85
C11	Furnish, install, and maintain all erosion control, including all inlet protection, 1 Lump Sum, all complete for:	1	LS	\$5,500.00	\$5,500.00	\$3,840.00	\$3,840.00	\$5,000.00	\$5,000.00	\$8,585.00	\$8,585.00	\$5,103.00	\$5,103.00	\$12,000.00	\$12,000.00	\$8,300.00	\$8,300.00	\$3,389.29	\$3,389.29
C12	Furnish, install, and maintain traffic control, 1 Lump Sum, all complete for:	1	LS	\$6,800.00	\$6,800.00	\$7,000.00	\$7,000.00	\$10,200.00	\$10,200.00	\$10,100.00	\$10,100.00	\$12,878.00	\$12,878.00	\$7,500.00	\$7,500.00	\$7,100.00	\$7,100.00	\$14,990.60	\$14,990.60
C13	Furnish mobilization/demobilization of all needed equipment, 1 Lump Sum, all complete for:	1	LS	\$24,000.00	\$24,000.00	\$36,260.00	\$36,260.00	\$32,700.00	\$32,700.00	\$37,370.00	\$37,370.00	\$43,333.00	\$43,333.00	\$60,000.00	\$60,000.00	\$67,349.00	\$67,349.00	\$28,590.11	\$28,590.11
				UNIT TOTAL	\$658,140.00	UNIT TOTAL	\$672,116.00	UNIT TOTAL	\$655,750.00	UNIT TOTAL	\$772,664.35	UNIT TOTAL	\$715,823.00	UNIT TOTAL	\$735,065.00	UNIT TOTAL	\$765,394.00	UNIT TOTAL	\$960,404.87
SUB-TOTAL UNIT A		\$904,036.00		SUB-TOTAL UNIT A		\$931,106.00		SUB-TOTAL UNIT A		\$979,168.50		SUB-TOTAL UNIT A		\$928,323.24		SUB-TOTAL UNIT A		\$1,022,535.00	
SUB-TOTAL UNIT B		\$920,037.00		SUB-TOTAL UNIT B		\$932,234.55		SUB-TOTAL UNIT B		\$974,081.50		SUB-TOTAL UNIT B		\$985,627.05		SUB-TOTAL UNIT B		\$1,022,200.00	
SUB-TOTAL UNIT C		\$658,140.00		SUB-TOTAL UNIT C		\$672,116.00		SUB-TOTAL UNIT C		\$655,750.00		SUB-TOTAL UNIT C		\$772,664.35		SUB-TOTAL UNIT C		\$715,823.00	
TOTAL BASE BID		\$2,482,213.00		TOTAL BASE BID		\$2,535,456.55		TOTAL BASE BID		\$2,609,000.00		TOTAL BASE BID		\$2,686,614.64		TOTAL BASE BID		\$2,760,558.00	

CITY OF KAUKAUNA							
PROJECT 2-24 TOBACNOIR STREET AREA UTILITY RELAY - PHASE 1							
BROTHERS STREET, DIVISION STREET, TOBACNOIR STREET, KAUKAUNA STREET, BLACKWELL STREET, DESNOYER STREET, OVIATT STREET							
UNIT A - SANITARY SEWERS & LATERALS				ENGINEER ESTIMATE		CARL BOWERS & SONS	
ITEM	DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE
A1	Furnish and Install 8" PVC Sanitary Sewer, 3385 lineal feet, more or less, all complete for:	3385	LF	\$68.00	\$230,180.00	\$65.00	\$220,025.00
A2	Furnish and Install 10" PVC Sanitary Sewer, 910 lineal feet, more or less, all complete for:	910	LF	\$80.00	\$72,800.00	\$76.00	\$69,160.00
A3	Furnish and Install 12" PVC Sanitary Sewer, 580 lineal feet, more or less, all complete for:	580	LF	\$90.00	\$52,200.00	\$85.00	\$49,300.00
A4	Furnish and Install 15" PVC Sanitary Sewer, 200 lineal feet, more or less, all complete for:	200	LF	\$135.00	\$27,000.00	\$100.00	\$20,000.00
A5	Furnish and Install 24" PVC Sanitary Sewer, 5 lineal feet, more or less, all complete for:	5	LF	\$300.00	\$1,500.00	\$325.00	\$1,625.00
A6	Furnish and Install 48" Diameter Sanitary Manhole, 210 vertical feet, more or less, all complete for:	210	VF	\$450.00	\$94,500.00	\$480.00	\$100,800.00
A7	Furnish and install Sanitary Sewer Main & Manhole Construction Staking, 1 lump sum, all complete for:	1	LS	\$2,500.00	\$2,500.00	\$4,650.00	\$4,650.00
A8	Abandon Sanitary Sewer Manhole, 3 each, more or less, all complete for	3	EA	\$500.00	\$1,500.00	\$500.00	\$1,500.00
A9	Abandon 8" Sanitary Sewer Main, 22 lineal feet, more or less, all complete for:	22	LF	\$8.50	\$187.00	\$8.00	\$176.00
A10	Abandon 12" Sanitary Sewer Main, 21 lineal feet, more or less, all complete for:	21	LF	\$10.00	\$210.00	\$12.00	\$252.00
A11	Verify Existing Sanitary Lateral Location as called out on plan (not including "Verify if active" notes), 8 each, more or less, all complete for:	8	EA	\$200.00	\$1,600.00	\$500.00	\$4,000.00
A12	Furnish and install 4" PVC laterals in public right of way, 3240 lineal feet, more or less, all complete for:	3240	LF	\$58.00	\$187,920.00	\$56.00	\$181,440.00
A13	Furnish and install 6" PVC laterals in public right of way, 100 lineal feet, more or less, all complete for:	100	LF	\$65.00	\$6,500.00	\$59.00	\$5,900.00
A14	Furnish and install 4" PVC private laterals excavated, 200 lineal feet including turf restoration, more or less, all complete for:	200	LF	\$32.00	\$6,400.00	\$30.00	\$6,000.00
A15	Furnish and install 6" PVC private laterals excavated, 50 lineal feet including turf restoration, more or less, all complete for:	50	LF	\$42.00	\$2,100.00	\$40.00	\$2,000.00
A16	Furnish and Pipe Burst 4" HDPE Private lateral to interior cleanout <u>without</u> WATER set-up, 1000 lineal feet, more or less, all complete for:	1000	LF	\$5.50	\$5,500.00	\$5.00	\$5,000.00
A17	Furnish and Pipe Burst 6" HDPE Private lateral to interior cleanout <u>without</u> WATER set-up, 50 lineal feet, more or less, all complete for:	50	LF	\$7.50	\$375.00	\$7.00	\$350.00
A18	Mid Pit Excavations for Sanitary Sewer Lateral replacement <u>without</u> WATER set-up, 15 each, more or less, all complete for:	15	EA	\$600.00	\$9,000.00	\$600.00	\$9,000.00
A19	Furnish and install new interior cleanout <u>without</u> WATER set-up, including all interior connections, 25 Each, more or less, all complete for:	25	EA	\$2,750.00	\$68,750.00	\$2,750.00	\$68,750.00
A20	Furnish and Pipe Burst 4" HDPE Private lateral <u>with</u> WATER set-up, 2500 lineal feet, more or less, all complete for:	2500	LF	\$5.50	\$13,750.00	\$5.00	\$12,500.00
A21	Furnish and install new interior cleanout <u>with</u> WATER set-up, including interior connections, 90 each, all complete for:	90	EA	\$1,100.00	\$99,000.00	\$1,000.00	\$90,000.00
A22	Furnish exterior connection for pipe bursting, including all restoration, 5 each, more or less, all complete for:	5	EA	\$1,600.00	\$8,000.00	\$2,000.00	\$10,000.00
A23	Furnish and install new floor drain, including clean up and restoration, 40 each, more or less, all complete for:	40	EA	\$125.00	\$5,000.00	\$100.00	\$4,000.00
A24	Furnish and install backflow valve, including all associated work, 60 each, more or less, all complete for:	60	EA	\$250.00	\$15,000.00	\$200.00	\$12,000.00
A25	Furnish and Install sump pit, including all associated work, 20 each, more or less, all complete for:	20	EA	\$600.00	\$12,000.00	\$250.00	\$5,000.00
A26	Provide televising for all new sanitary sewer main, 5080 lineal feet, more or less, all complete for:	5080	LF	\$1.25	\$6,350.00	\$1.35	\$6,858.00
A27	Provide televising for all new sanitary sewer laterals, 110 each, more or less, all complete for:	110	EA	\$105.00	\$11,550.00	\$125.00	\$13,750.00
				UNIT TOTAL	\$941,372.00	UNIT TOTAL	\$904,036.00
UNIT B - WATER MAINS & SERVICES							
ITEM	DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE
B1	Furnish and install 6" PVC Water Main, 200 lineal feet, more or less, all complete for:	200	LF	\$65.00	\$13,000.00	\$71.00	\$14,200.00
B2	Furnish and install 8" PVC Water Main, 5200 lineal feet, more or less, all complete for:	5200	LF	\$65.00	\$338,000.00	\$68.00	\$353,600.00
B3	Furnish and install 6" Water Valve, 10 each, more or less, all complete for:	10	EA	\$2,750.00	\$27,500.00	\$2,600.00	\$26,000.00
B4	Furnish and install 8" Water Valve, 26 each, more or less, all complete for:	26	EA	\$3,350.00	\$87,100.00	\$3,200.00	\$83,200.00
B5	Furnish and install 7.5' Bury Hydrants, 10 each, more or less, all complete for:	10	EA	\$7,000.00	\$70,000.00	\$6,500.00	\$65,000.00
B6	Furnish and install 1" water service set on 8" main, 106 each, more or less, all complete for:	106	EA	\$750.00	\$79,500.00	\$700.00	\$74,200.00
B7	Furnish and install 1" water service, 2620 lineal feet, more or less, all complete for:	2620	LF	\$50.00	\$131,000.00	\$46.00	\$120,520.00
B8	Furnish and install Construction Staking for Water related items, 1 lump sum, all complete for:	1	LS	\$2,500.00	\$2,500.00	\$5,200.00	\$5,200.00
B9	Furnish and install Temporary water service, 1700 lineal feet, more or less, all complete for:	1700	LF	\$0.01	\$17.00	\$0.01	\$17.00
B10	Salvage Hydrants, Close Valves, and Remove Boxes, 1 Lump Sum, all complete for:	1	LS	\$10,000.00	\$10,000.00	\$5,000.00	\$5,000.00
B11	Pull Preparation and Setup for Copper Water Service Replacement, 10 each, more or less, all complete for:	10	EA	\$2,500.00	\$25,000.00	\$1,900.00	\$19,000.00
B12	Furnish and install 1" Private Water Service Replacement for existing copper - Pulled along with sewer, 250 lineal feet, more or less, all complete for:	250	LF	\$3.50	\$875.00	\$3.00	\$750.00
B13	Furnish and install 1" Private Water Service Replacement for existing copper - Pulled separate, 100 lineal feet, more or less, all complete for:	100	LF	\$3.50	\$350.00	\$3.00	\$300.00
B14	Provide interior water service reconnection for existing copper, 10 each, more or less, all complete for:	10	EA	\$225.00	\$2,250.00	\$200.00	\$2,000.00
B15	Provide new electrical grounding as required due to existing copper water service replacement, 10 each, more or less, all complete for:	10	EA	\$475.00	\$4,750.00	\$450.00	\$4,500.00
B16	Mid Pit Excavations for Copper Water Service Replacement, 5 each, more or less, all complete for:	5	EA	\$600.00	\$3,000.00	\$600.00	\$3,000.00
B17	Pull Preparation and Setup for Lead Water Service Replacement, 51 each, more or less, all complete for:	51	EA	\$2,500.00	\$127,500.00	\$1,900.00	\$96,900.00
B18	Furnish and install 1" Private Water Service Replacement for existing lead - Pulled along with sewer, 2250 lineal feet, more or less, all complete for:	2250	LF	\$3.50	\$7,875.00	\$3.00	\$6,750.00
B19	Furnish and install 1" Private Water Service Replacement for existing lead - Pulled separate, 250 lineal feet, more or less, all complete for:	250	LF	\$3.50	\$875.00	\$3.00	\$750.00
B20	Provide interior water service reconnection for existing lead, 51 each, more or less, all complete for:	51	EA	\$225.00	\$11,475.00	\$200.00	\$10,200.00
B21	Provide new electrical grounding as required due to existing lead water service replacement, 51 each, more or less, all complete for:	51	EA	\$475.00	\$24,225.00	\$450.00	\$22,950.00
B22	Mid Pit Excavations for Lead Water Service Replacement, 10 each, more or less, all complete for:	10	EA	\$600.00	\$6,000.00	\$600.00	\$6,000.00
				UNIT TOTAL	\$972,792.00	UNIT TOTAL	\$920,037.00

UNIT C - GENERAL/RESTORATION							
ITEM	DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE
C1	Furnish and install granular backfill as directed by Engineer, 500 tons, more or less, all complete for:	500	TON	\$15.00	\$7,500.00	\$13.75	\$6,875.00
C2	Furnish and install 1 1/4" dense graded base, 10000 tons, more or less, all complete for:	10000	TON	\$15.00	\$150,000.00	\$13.75	\$137,500.00
C3	Furnish and install 3" stone base, 500 tons, more or less, all complete for:	500	TON	\$15.00	\$7,500.00	\$13.75	\$6,875.00
C4	Furnish, install, full depth saw cutting of all pavements and walk, 1 Lump Sum, all complete for:	1	LS	\$12,000.00	\$12,000.00	\$5,600.00	\$5,600.00
C5	Furnish all prep work for asphalt overlay and trench patching, including milling, butt joints, fine grading, etc., 1 Lump Sum, all complete for:	1	LS	\$150,000.00	\$150,000.00	\$120,000.00	\$120,000.00
C6	Furnish and install materials to Adjust Manholes, 16 each, more or less, all complete for:	16	EA	\$500.00	\$8,000.00	\$545.00	\$8,720.00
C7	Furnish and install 2" asphalt overlay, 22000 square yards, more or less, all complete for:	22000	SY	\$12.40	\$272,800.00	\$12.40	\$272,800.00
C8	Furnish and install 2" asphalt trench patch, 300 square yards, more or less, all complete for:	300	SY	\$20.00	\$6,000.00	\$18.40	\$5,520.00
C9	Furnish and install 2" asphalt patches for sidewalk and driveway patches, 150 tons, more or less, all complete for:	150	TON	\$250.00	\$37,500.00	\$245.00	\$36,750.00
C10	Furnish and install turf restoration for all disturbed areas public work, 1 Lump Sum, all complete for:	1	LS	\$20,000.00	\$20,000.00	\$21,200.00	\$21,200.00
C11	Furnish, install, and maintain all erosion control, including all inlet protection, 1 Lump Sum, all complete for:	1	LS	\$3,000.00	\$3,000.00	\$5,500.00	\$5,500.00
C12	Furnish, install, and maintain traffic control, 1 Lump Sum, all complete for:	1	LS	\$8,000.00	\$8,000.00	\$6,800.00	\$6,800.00
C13	Furnish mobilization/demobilization of all needed equipment, 1 Lump Sum, all complete for:	1	LS	\$20,000.00	\$20,000.00	\$24,000.00	\$24,000.00
				UNIT TOTAL	\$702,300.00	UNIT TOTAL	\$658,140.00

SUB-TOTAL UNIT A	\$941,372.00	SUB-TOTAL UNIT A	\$904,036.00
SUB-TOTAL UNIT B	\$972,792.00	SUB-TOTAL UNIT B	\$920,037.00
SUB-TOTAL UNIT C	\$702,300.00	SUB-TOTAL UNIT C	\$658,140.00
TOTAL BASE BID	\$2,616,464.00	TOTAL BASE BID	\$2,482,213.00