



MEMO

Engineering Department

To: Board of Public Works
From: Taylor Conger
Date: February 19th, 2025
Re: **Agenda Item #2a:** Recommendation to award Project #2-25 –
Sanitary Sewer and Water Main Joint Utility Project

Background information:

The Engineering Department has reviewed and analyzed the bids from Feaker & Sons, Kruczek Construction, Carl Bowers & Sons, DeGroot Inc., Advance Construction, Dorner Inc., David Tenor Corp., and PTS Contractors received on February 5th, 2025 at 4:00pm for the 2-25 Sanitary Sewer and Water Main Joint Utility Project. The Engineering Department received eight bids for this project and compared said bids against the Engineer's estimate that was put together prior to bid opening. The Engineer's estimate is compiled utilizing previous years' prices and adjusted for inflation and changes in work descriptions. The lowest bidder was \$81,080.65 lower than the Engineer estimate, and was \$83,436.65 lower than the second lowest bidder, which shows that the City is getting a great price to complete this work. Seven of the eight bidders were within \$490,000 which shows that the bids were competitive, with the four lowest bidders within \$200,000. See attached Bid Tabulation.

Strategic Plan:

N/A

Budget:

Funds for this project will come from Sanitary Utility funds and Capital Borrowing. Estimated City expense to be approximately \$850,000 with the remaining costs to be invoiced to Kaukauna Utilities.

Staff Recommended Action:

Motion to Award Project #2-25 Sanitary Sewer and Water Main Joint Utility Project to Carl Bowers & Sons, Kaukauna, WI for Base Bid Units A thru E and Alternate Unit F, a total amount of \$3,671,905.15.

CITY OF KAUKAUNA																			
PROJECT 2-25 SANITARY SEWER AND WATER MAIN JOINT UTILITY PROJECT																			
PART A: TOBACNOIR STREET AREA UTILITY RELAY - PHASE 2																			
TOBACNOIR STREET, DUCHARME STREET, SEYMOUR STREET, BLACKWELL STREET, DESNOYER STREET, OVIATT STREET																			
UNIT A - SANITARY SEWERS & LATERALS			CARL BOWERS & SONS		DORNER, INC.		KRUCZEK CONSTRUCTION		FEAKER & SONS		DeGROOT, INC.		PTS CONTRACTORS		DAVID TENOR CORP		ADVANCE CONSTRUCTION		
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, 2733 lineal feet, more or less, all complete for:	2733	LF	\$68.00	\$185,844.00	\$80.00	\$218,640.00	\$61.00	\$166,713.00	\$64.00	\$174,912.00	\$66.65	\$182,154.45	\$70.00	\$191,310.00	\$73.00	\$199,509.00	\$140.00	\$382,620.00
A2	Furnish and Install 10" PVC Sanitary Sewer, 369 lineal feet, more or less, all complete for:	369	LF	\$72.00	\$26,568.00	\$108.00	\$39,852.00	\$65.00	\$23,985.00	\$70.00	\$25,830.00	\$81.67	\$30,136.23	\$86.00	\$31,734.00	\$79.00	\$29,151.00	\$190.00	\$70,110.00
A3	Furnish and Install 48" Diameter Sanitary Manhole, 123 vertical feet, more or less, all complete for:	123	VF	\$525.00	\$64,575.00	\$738.00	\$90,774.00	\$621.75	\$76,475.25	\$590.00	\$72,570.00	\$623.40	\$76,678.20	\$715.00	\$87,945.00	\$645.00	\$79,335.00	\$526.00	\$64,698.00
A4	Furnish and Install Materials needed to Reconstruct 48" Diameter Sanitary Manhole, 19 vertical feet, more or less, all complete for:	19	VF	\$550.00	\$10,450.00	\$499.00	\$9,481.00	\$456.00	\$8,664.00	\$655.00	\$12,445.00	\$542.86	\$10,314.34	\$847.00	\$16,093.00	\$420.00	\$7,980.00	\$508.00	\$9,652.00
A5	Furnish and Install Materials needed to Construct Inside drop for Sanitary Manhole, 25 vertical feet, more or less, all complete for:	25	VF	\$425.00	\$10,625.00	\$215.00	\$5,375.00	\$74.50	\$1,862.50	\$2,100.00	\$52,500.00	\$253.39	\$6,334.75	\$490.00	\$12,250.00	\$219.00	\$5,475.00	\$283.00	\$7,075.00
A6	Furnish and install Sanitary Sewer Main & Manhole Construction Staking, 1 lump sum, all complete for:	1	LS	\$3,027.59	\$3,027.59	\$3,119.00	\$3,119.00	\$3,100.00	\$3,100.00	\$3,050.00	\$3,050.00	\$3,150.03	\$3,150.03	\$3,112.00	\$3,112.00	\$3,119.00	\$3,119.00	\$3,027.59	\$3,027.59
A7	Abandon Sanitary Sewer Manhole, 2 each, more or less, all complete for	2	EA	\$500.00	\$1,000.00	\$628.00	\$1,256.00	\$275.00	\$550.00	\$675.00	\$1,350.00	\$656.50	\$1,313.00	\$300.00	\$600.00	\$500.00	\$1,000.00	\$500.00	\$1,000.00
A8	Abandon 8" Sanitary Sewer Main, 55 lineal feet, more or less, all complete for:	55	LF	\$20.00	\$1,100.00	\$12.00	\$660.00	\$24.00	\$1,320.00	\$6.50	\$357.50	\$10.10	\$555.50	\$8.00	\$440.00	\$10.00	\$550.00	\$10.00	\$550.00
A9	Abandon 10" Sanitary Sewer Main, 57 lineal feet, more or less, all complete for:	57	LF	\$30.00	\$1,710.00	\$15.00	\$855.00	\$24.00	\$1,368.00	\$6.50	\$370.50	\$12.12	\$690.84	\$8.40	\$478.80	\$12.00	\$684.00	\$12.00	\$684.00
A10	Furnish and install 4" PVC laterals in public right of way, 2310 lineal feet, more or less, all complete for:	2310	LF	\$58.00	\$133,980.00	\$61.00	\$140,910.00	\$52.00	\$120,120.00	\$56.00	\$129,360.00	\$45.73	\$105,636.30	\$93.00	\$214,830.00	\$56.00	\$129,360.00	\$133.00	\$307,230.00
A11	Furnish and install 6" PVC laterals in public right of way, 100 lineal feet, more or less, all complete for:	100	LF	\$30.00	\$3,000.00	\$74.80	\$7,480.00	\$55.00	\$5,500.00	\$60.00	\$6,000.00	\$49.22	\$4,922.00	\$186.00	\$18,600.00	\$59.00	\$5,900.00	\$135.00	\$13,500.00
A12	Furnish and install 4" PVC private laterals excavated, 1100 lineal feet including turf restoration, more or less, all complete for:	100	LF	\$55.00	\$5,500.00	\$56.70	\$5,670.00	\$56.00	\$5,600.00	\$60.00	\$6,000.00	\$57.22	\$5,722.00	\$56.00	\$5,600.00	\$56.00	\$5,600.00	\$55.00	\$5,500.00
A13	Furnish and install 6" PVC private laterals excavated, 50 lineal feet including turf restoration, more or less, all complete for:	50	LF	\$55.00	\$2,750.00	\$56.70	\$2,835.00	\$56.00	\$2,800.00	\$60.00	\$3,000.00	\$57.22	\$2,861.00	\$56.00	\$2,800.00	\$59.00	\$2,950.00	\$55.00	\$2,750.00
A14	Furnish and Pipe Burst 4" HDPE Private lateral to interior cleanout without WATER set-up, 1000 lineal feet, more or less, all complete for:	1000	LF	\$5.00	\$5,000.00	\$5.20	\$5,200.00	\$5.00	\$5,000.00	\$5.00	\$5,000.00	\$5.20	\$5,200.00	\$5.60	\$5,600.00	\$5.15	\$5,150.00	\$5.00	\$5,000.00
A15	Furnish and Pipe Burst 6" HDPE Private lateral to interior cleanout without 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	\$7.00	\$350.00	\$7.28	\$364.00	\$7.00	\$350.00	\$7.21	\$360.50	\$7.00	\$350.00
A16	Mid Pit Excavations for Sanitary Sewer Lateral replacement without WATER set-up, 15 each, more or less, all complete for:	15	EA	\$1.00	\$15.00	\$1.00	\$15.00	\$1.00	\$15.00	\$1.00	\$15.00	\$1.04	\$15.60	\$1.00	\$15.00	\$1.03	\$15.45	\$1.00	\$15.00
A17	Furnish and install new interior cleanout without WATER set-up, including all interior connections, 25 Each, more or less, all complete for:	25	EA	\$2,450.00	\$61,250.00	\$2,524.00	\$63,100.00	\$2,500.00	\$62,500.00	\$2,450.00	\$61,250.00	\$2,548.74	\$63,718.50	\$2,520.00	\$63,000.00	\$2,520.00	\$63,000.00	\$2,450.00	\$61,250.00
A18	Furnish and Pipe Burst 4" HDPE Private lateral with WATER set-up, 1500 lineal feet, more or less, all complete for:	1500	LF	\$5.00	\$7,500.00	\$5.20	\$7,800.00	\$5.00	\$7,500.00	\$5.00	\$7,500.00	\$5.20	\$7,800.00	\$5.00	\$7,500.00	\$5.15	\$7,725.00	\$5.00	\$7,500.00
A19	Furnish and install new interior cleanout with WATER set-up, including interior connections, 75 each, all complete for:	75	EA	\$200.00	\$15,000.00	\$206.00	\$15,450.00	\$200.00	\$15,000.00	\$200.00	\$15,000.00	\$208.06	\$15,604.50	\$205.00	\$15,375.00	\$206.00	\$15,450.00	\$200.00	\$15,000.00
A20	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	\$2,020.00	\$10,100.00	\$2,000.00	\$10,000.00	\$2,080.60	\$10,403.00	\$2,055.00	\$10,275.00	\$2,060.00	\$10,300.00	\$2,000.00	\$10,000.00
A21	Furnish and install new floor drain, including clean up and restoration, 40 each, more or less, all complete for:	40	EA	\$75.00	\$3,000.00	\$77.00	\$3,080.00	\$75.00	\$3,000.00	\$75.00	\$3,000.00	\$78.02	\$3,120.80	\$77.00	\$3,080.00	\$77.25	\$3,090.00	\$75.00	\$3,000.00
A22	Furnish and install backflow valve, including all associated work, 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	\$100.00	\$4,000.00	\$104.30	\$4,172.00	\$102.00	\$4,080.00	\$103.00	\$4,120.00	\$100.00	\$4,000.00
A23	Furnish and Install sump pit, including all associated work, 10 each, more or less, all complete for:	10	EA	\$300.00	\$3,000.00	\$309.00	\$3,090.00	\$305.00	\$3,050.00	\$300.00	\$3,000.00	\$312.09	\$3,120.90	\$308.00	\$3,080.00	\$309.00	\$3,090.00	\$300.00	\$3,000.00
A24	Provide televising for all new sanitary sewer main, 3102 lineal feet, more or less, all complete for:	3102	LF	\$1.35	\$4,187.70	\$1.40	\$4,342.80	\$1.45	\$4,497.90	\$1.55	\$4,808.10	\$1.52	\$4,715.04	\$1.40	\$4,342.80	\$1.40	\$4,342.80	\$1.35	\$4,187.70
A25	Provide televising for all new sanitary sewer laterals, 75 each, more or less, all complete for:	75	EA	\$125.00	\$9,375.00	\$113.00	\$8,475.00	\$112.00	\$8,400.00	\$112.00	\$8,400.00	\$121.20	\$9,090.00	\$113.00	\$8,475.00	\$113.00	\$8,475.00	\$110.00	\$8,250.00
				UNIT TOTAL	\$572,807.29	UNIT TOTAL	\$652,239.80	UNIT TOTAL	\$541,470.65	UNIT TOTAL	\$610,068.10	UNIT TOTAL	\$557,792.98	UNIT TOTAL	\$710,965.60	UNIT TOTAL	\$595,731.75	UNIT TOTAL	\$989,949.29
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, 70 lineal feet, more or less, all complete for:	70	LF	\$68.00	\$4,760.00	\$72.00	\$5,040.00	\$80.00	\$5,600.00	\$76.00	\$5,320.00	\$54.81	\$3,836.70	\$102.00	\$7,140.00	\$61.00	\$4,270.00	\$97.00	\$6,790.00
B2	Furnish and install 8" PVC Water Main, 4400 lineal feet, more or less, all complete for:	4400	LF	\$69.00	\$303,600.00	\$79.00	\$347,600.00	\$70.00	\$308,000.00	\$76.00	\$334,400.00	\$66.13	\$290,972.00	\$78.00	\$343,200.00	\$80.00	\$352,000.00	\$97.00	\$426,800.00
B3	Furnish and install 6" Water Valve, 7 each, more or less, all complete for:	7	EA	\$2,400.00	\$16,800.00	\$2,383.00	\$16,681.00	\$2,340.0											

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	\$0.01	\$5.00	\$15.50	\$7,750.00	\$14.00	\$7,000.00	\$15.95	\$7,975.00	\$19.19	\$9,595.00	\$15.00	\$7,500.00	\$15.00	\$7,500.00	\$15.00	\$7,500.00
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	\$0.01	\$100.00	\$14.00	\$140,000.00	\$15.95	\$159,500.00	\$17.17	\$171,700.00	\$16.00	\$160,000.00	\$15.00	\$150,000.00	\$15.00	\$150,000.00
C3	Furnish and install 3" stone base, 500 tons, more or less, all complete for:	500	TON	\$13.75	\$6,875.00	\$15.50	\$7,750.00	\$14.00	\$7,000.00	\$15.95	\$7,975.00	\$18.18	\$9,090.00	\$17.00	\$8,500.00	\$15.00	\$7,500.00	\$15.00	\$7,500.00
C4	Furnish, install, full depth saw cutting of all pavements and walk, 1 Lump Sum, all complete for:	1	LS	\$7,500.00	\$7,500.00	\$7,844.00	\$7,844.00	\$6,000.00	\$6,000.00	\$11,000.00	\$11,000.00	\$10,100.00	\$10,100.00	\$21,945.00	\$21,945.00	\$35,500.00	\$35,500.00	\$15,000.00	\$15,000.00
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	\$70,000.00	\$70,000.00	\$72,114.00	\$72,114.00	\$70,000.00	\$70,000.00	\$80,500.00	\$80,500.00	\$83,224.00	\$83,224.00	\$72,500.00	\$72,500.00	\$72,100.00	\$72,100.00	\$80,000.00	\$80,000.00
C6	Furnish and install materials to Adjust Manholes, 16 each, more or less, all complete for:	10	EA	\$500.00	\$5,000.00	\$629.00	\$6,290.00	\$525.00	\$5,250.00	\$620.00	\$6,200.00	\$808.00	\$8,080.00	\$665.00	\$6,650.00	\$600.00	\$6,000.00	\$500.00	\$5,000.00
C7	Furnish and install 2" asphalt overlay, 22000 square yards, more or less, all complete for:	16000	SY	\$10.50	\$168,000.00	\$10.80	\$172,800.00	\$10.50	\$168,000.00	\$11.25	\$180,000.00	\$11.71	\$187,360.00	\$10.60	\$169,600.00	\$10.81	\$172,960.00	\$11.25	\$180,000.00
C8	Furnish and install 2" asphalt trench patch, 300 square yards, more or less, all complete for:	100	SY	\$28.00	\$2,800.00	\$28.80	\$2,880.00	\$28.00	\$2,800.00	\$30.00	\$3,000.00	\$31.82	\$3,182.00	\$28.50	\$2,850.00	\$28.84	\$2,884.00	\$30.00	\$3,000.00
C9	Furnish and install 2" asphalt patches for sidewalk and driveway patches, 150 tons, more or less, all complete for:	150	TON	\$220.00	\$33,000.00	\$227.00	\$34,050.00	\$220.00	\$33,000.00	\$240.00	\$36,000.00	\$254.87	\$38,230.50	\$225.00	\$33,750.00	\$226.00	\$33,900.00	\$240.00	\$36,000.00
C10	Furnish and install turf restoration for all disturbed areas public work, 1 Lump Sum, all complete for:	1	LS	\$10,000.00	\$10,000.00	\$15,289.00	\$15,289.00	\$18,000.00	\$18,000.00	\$7,000.00	\$7,000.00	\$6,565.00	\$6,565.00	\$9,996.00	\$9,996.00	\$17,850.00	\$17,850.00	\$9,600.00	\$9,600.00
C11	Furnish, install, and maintain all erosion control, including all inlet protection, 1 Lump Sum, all complete for:	1	LS	\$6,000.00	\$6,000.00	\$3,290.00	\$3,290.00	\$4,500.00	\$4,500.00	\$3,125.00	\$3,125.00	\$7,575.00	\$7,575.00	\$5,815.00	\$5,815.00	\$3,800.00	\$3,800.00	\$7,500.00	\$7,500.00
C12	Furnish, install, and maintain traffic control, 1 Lump Sum, all complete for:	1	LS	\$5,275.00	\$5,275.00	\$6,181.00	\$6,181.00	\$7,000.00	\$7,000.00	\$6,000.00	\$6,000.00	\$6,262.00	\$6,262.00	\$6,135.00	\$6,135.00	\$6,000.00	\$6,000.00	\$5,800.00	\$5,800.00
C13	Furnish mobilization/demobilization of all needed equipment, 1 Lump Sum, all complete for:	1	LS	\$12,000.00	\$12,000.00	\$29,498.00	\$29,498.00	\$15,000.00	\$15,000.00	\$47,503.00	\$47,503.00	\$38,859.95	\$38,859.95	\$13,000.00	\$13,000.00	\$7,000.00	\$7,000.00	\$36,500.00	\$36,500.00
				UNIT TOTAL	\$463,955.00	UNIT TOTAL	\$365,836.00	UNIT TOTAL	\$483,550.00	UNIT TOTAL	\$555,778.00	UNIT TOTAL	\$579,823.45	UNIT TOTAL	\$518,241.00	UNIT TOTAL	\$522,994.00	UNIT TOTAL	\$543,400.00

SUB-TOTAL UNIT A	\$572,807.29	SUB-TOTAL UNIT A	\$652,239.80	SUB-TOTAL UNIT A	\$541,470.65	SUB-TOTAL UNIT A	\$610,068.10	SUB-TOTAL UNIT A	\$557,792.98	SUB-TOTAL UNIT A	\$710,965.60	SUB-TOTAL UNIT A	\$595,731.75	SUB-TOTAL UNIT A	\$989,949.29
SUB-TOTAL UNIT B	\$833,570.68	SUB-TOTAL UNIT B	\$920,123.00	SUB-TOTAL UNIT B	\$838,009.00	SUB-TOTAL UNIT B	\$856,015.00	SUB-TOTAL UNIT B	\$839,397.29	SUB-TOTAL UNIT B	\$891,329.00	SUB-TOTAL UNIT B	\$881,617.15	SUB-TOTAL UNIT B	\$987,082.68
SUB-TOTAL UNIT C	\$463,955.00	SUB-TOTAL UNIT C	\$365,836.00	SUB-TOTAL UNIT C	\$483,550.00	SUB-TOTAL UNIT C	\$555,778.00	SUB-TOTAL UNIT C	\$579,823.45	SUB-TOTAL UNIT C	\$518,241.00	SUB-TOTAL UNIT C	\$522,994.00	SUB-TOTAL UNIT C	\$543,400.00
TOTAL BID	\$1,870,332.97	TOTAL BASE BID	\$1,938,198.80	TOTAL BASE BID	\$1,863,029.65	TOTAL BASE BID	\$2,021,861.10	TOTAL BASE BID	\$1,977,013.72	TOTAL BASE BID	\$2,120,535.60	TOTAL BASE BID	\$2,000,342.90	TOTAL BASE BID	\$2,520,431.97

PART B: INDUSTRIAL PARK WATER MAIN																			
MALONEY ROAD, PROSPECT LANE, BADGER ROAD, EAST LINE ROAD, TOWER DRIVE																			
UNIT D - WATER MAINS & SERVICES				CARL BOWERS & SONS		DORNER, INC.		KRUCZEK CONSTRUCTION		FEAKER & SONS		DeGROOT, INC.		PTS CONTRACTORS		DAVID TENOR CORP		ADVANCE CONSTRUCTION	
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
D1	Furnish and install 4" PVC Water Main, 40 lineal feet, more or less, all complete for:	40	LF	\$110.00	\$4,400.00	\$79.00	\$3,160.00	\$117.00	\$4,680.00	\$120.00	\$4,800.00	\$90.89	\$3,635.60	\$143.00	\$5,720.00	\$94.00	\$3,760.00	\$112.00	\$4,480.00
D2	Furnish and install 6" PVC Water Main, 160 lineal feet, more or less, all complete for:	160	LF	\$80.00	\$12,800.00	\$64.00	\$10,240.00	\$99.00	\$15,840.00	\$75.00	\$12,000.00	\$74.20	\$11,872.00	\$102.00	\$16,320.00	\$104.00	\$16,640.00	\$90.00	\$14,400.00
D3	Furnish and install 8" PVC Water Main, 60 lineal feet, more or less, all complete for:	60	LF	\$200.00	\$12,000.00	\$187.00	\$11,220.00	\$219.00	\$13,140.00	\$239.00	\$14,340.00	\$97.15	\$5,829.00	\$252.00	\$15,120.00	\$240.00	\$14,400.00	\$251.00	\$15,060.00
D4	Furnish and install 12" PVC Water Main, 9250 lineal feet, more or less, all complete for:	9250	LF	\$100.00	\$925,000.00	\$98.00	\$906,500.00	\$102.00	\$943,500.00	\$97.00	\$897,250.00	\$111.16	\$1,028,230.00	\$105.00	\$971,250.00	\$118.00	\$1,091,500.00	\$118.00	\$1,091,500.00
D5	Furnish and install 16" PVC Water Main, 120 lineal feet, more or less, all complete for:	120	LF	\$440.00	\$52,800.00	\$418.00	\$50,160.00	\$480.00	\$57,600.00	\$392.00	\$47,040.00	\$178.81	\$21,457.20	\$426.00	\$51,120.00	\$536.00	\$64,320.00	\$523.00	\$62,760.00
D6	Furnish and install 6" Water Valve, 16 each, more or less, all complete for:	16	EA	\$2,400.00	\$38,400.00	\$2,383.00	\$38,128.00	\$2,340.00	\$37,440.00	\$2,205.00	\$35,280.00	\$2,427.03	\$38,832.48	\$2,156.00	\$34,496.00	\$2,195.00	\$35,120.00	\$2,103.00	\$33,648.00
D7	Furnish and install 12" Water Valve, 30 each, more or less, all complete for:	30	EA	\$5,200.00	\$156,000.00	\$5,430.00	\$162,900.00	\$5,530.00	\$165,900.00	\$5,050.00	\$151,500.00	\$5,351.99	\$160,559.70	\$4,980.00	\$149,400.00	\$5,050.00	\$151,500.00	\$4,900.00	\$147,000.00
D8	Furnish and install 16" Water Valve, 3 each, more or less, all complete for:	3	EA	\$13,000.00	\$39,000.00	\$13,653.00	\$40,959.00	\$14,000.00	\$42,000.00	\$12,660.00	\$37,980.00	\$13,242.11	\$39,726.33	\$12,800.00	\$38,400.00	\$12,750.00	\$38,250.00	\$12,561.00	\$37,683.00
D9	Furnish and install 6.5" Bury Hydrants, 16 each, more or less, all complete for:	16	EA	\$6,000.00	\$96,000.00	\$7,213.00	\$115,408.00	\$6,100.00	\$97,600.00	\$5,540.00	\$88,640.00	\$6,091.31	\$97,460.96	\$5,559.00	\$88,944.00	\$5,615.00	\$89,840.00	\$5,800.00	\$92,800.00
D10	Furnish and install 1 1/4" water service set on water main, 27 each, more or less, all complete for:	27	EA	\$675.00	\$18,225.00	\$858.00	\$23,166.00	\$725.00	\$19,575.00	\$710.00	\$19,170.00	\$1,274.40	\$34,408.80	\$710.00	\$19,170.00	\$608.00	\$16,416.00	\$962.00	\$25,974.00
D11	Furnish and install 1 1/2" water service set on water main, 2 each, more or less, all complete for:	2	EA	\$1,100.00	\$2,200.00	\$1,246.00	\$2,492.00	\$1,126.00	\$2,252.00	\$1,100.00	\$2,200.00	\$1,658.93	\$3,317.86	\$1,045.00	\$2,090.00	\$945.00	\$1,890.00	\$1,342.00	\$2,684.00
D12	Furnish and install 2" water service set on water main, 5 each, more or less, all complete for:	5	EA	\$1,450.00	\$7,250.00	\$1,646.00	\$8,230.00	\$1,375.00	\$6,875.00	\$1,455.00	\$7,275.00	\$2,052.72	\$10,263.60	\$1,400.00	\$7,000.00	\$1,285.00	\$6,425.00	\$1,732.00	\$8,660.00
D13	Furnish and install 1 1/4" water service, 900 lineal feet, more or less, all complete for:	900	LF	\$60.00	\$54,000.00	\$76.00	\$68,400.00	\$71.75	\$64,575.00	\$45.00	\$40,500.00	\$40.23	\$36,207.00	\$89.00	\$80,100.00	\$80.00	\$72,000.00	\$41.30	\$37,170.00
D14	Furnish and install 1 1/2" water service, 20 lineal feet, more or less, all complete for:	20	LF	\$62.00	\$1,240.00	\$54.00	\$1,080.00	\$61.00	\$1,220.00	\$46.00	\$920.00	\$60.25	\$1,205.00	\$108.00	\$2,160.00	\$105.00	\$2,100.00	\$71.50	\$1,430.00
D15	Furnish and install 2" water service, 100 lineal feet, more or less, all complete for:	100	LF	\$64.00	\$6,400.00	\$55.00	\$5,500.00	\$61.50	\$6,150.00	\$49.00	\$4,900.00	\$59.32	\$5,932.00	\$69.00	\$6,900.00	\$116.00	\$11,600.00	\$82.50	\$8,250.00
D16	Furnish and install 4" water service set on water main with 4" Water Valve, 2 each, more or less, all complete for:	2	EA	\$2,000.00	\$4,000.00	\$3,782.00	\$7,564.00	\$2,700.00	\$5,400.00	\$1,680.00	\$3,360.00	\$3,262.30	\$6,524.60	\$3,275.00	\$6,550.00	\$3,150.00	\$6,300.00	\$1,780.00	\$3,560.00
D17	Furnish and install 6" water service set on water main with 6" Water Valve, 1 each, more or less, all complete for:	1	EA	\$2,500.00	\$2,500.00	\$4,685.00	\$4,685.00	\$2,999.57	\$2,999.57	\$2,205.00	\$2,205.00	\$4,093.53	\$4,093.53	\$3,805.00	\$3,805.00	\$3,850.00	\$3,850.00	\$2,303.00	\$2,303.00
D18	Furnish and install 8" water service set on water main with 8" Water Valve, 4 each, more or less, all complete for:	4	EA	\$3,200.00	\$12,800.00	\$5,841.00	\$23,364.00	\$3,800.00	\$15,200.00	\$3,000.00	\$12,000.00	\$5,046.97	\$20,187.88	\$4,555.00	\$18,220.00	\$4,797.00	\$19,188.00	\$3,047.00	\$12,188.00
D19	Furnish and install Construction Staking for Water related items, 1 lump sum, all complete for:	1	LS	\$9,555.18	\$9,555.18	\$9,844.00	\$9,844.00	\$9,575.00	\$9,575.00	\$9,600.00	\$9,600.00	\$9,898.00	\$9,898.00	\$10,100.00	\$10,100.00	\$9,842.00	\$9,842.00	\$9,555.18	\$9,555.18
D20	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	\$6.00	\$10,200.00	\$0.01	\$17.00	\$10.10	\$17,170.00	\$6.00	\$10,200.00	\$6.00	\$10,200.00	\$12.00	\$20,400.00
D21	Salvage Hydrants, Close Valves, and Remove Boxes, 1 Lump Sum, all complete for:	1	LS	\$1,500.00	\$1,500.00	\$10,564.00	\$10,564.00	\$7,500.00	\$7,500.00	\$9,975.00	\$9,975.00	\$8,585.00	\$8,585.00	\$9,250.00	\$9,250.00	\$8,000.00	\$8,000.00	\$14,000.00	\$14,000.00
				UNIT TOTAL	\$1,456,087.18	UNIT TOTAL	\$1,503,581.00	UNIT TOTAL	\$1,529,221.57	UNIT TOTAL	\$1,400,952.00	UNIT TOTAL	\$1,565,396.54	UNIT TOTAL	\$1,546,315.00	UNIT TOTAL	\$1,673,141.00	UNIT TOTAL	\$1,645,505.18

UNIT E - 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
E1	Furnish and install granular backfill as directed by Engineer, 500 tons, more or less, all complete for:	500	TON	\$0.01	\$5.00	\$0.01	\$5.00	\$14.00	\$7,000.00	\$15.95	\$7,975.00	\$19.19	\$9,595.00	\$15.00	\$7,500.00	\$15.00	\$7,500.00	\$15.00	\$7,500.00
E2	Furnish and install 1 1/4" dense graded base, 10000 tons, more or less, all complete for:	10000	TON	\$0.01	\$100.00	\$0.01	\$100.00	\$14.00	\$140,000.00	\$15.95	\$159,500.00	\$17.17	\$171,700.00	\$16.00	\$160,000.00	\$15.00	\$150,000.00	\$15.00	\$150,000.00
E3	Furnish and install 3" stone base, 500 tons, more or less, all complete for:	500	TON	\$0.01	\$5.00	\$15.50	\$7,750.00	\$14.00	\$7,000.00	\$15.95	\$7,975.00	\$18.18	\$9,090.00	\$17.00	\$8,500.00	\$15.00	\$7,500.00	\$15.00	\$7,500.00
E4	Furnish, install, full depth saw cutting of all pavements and walk, 1 Lump Sum, all complete for:	1	LS	\$17,000.00	\$17,000.00	\$14,459.00	\$14,459.00	\$7,160.00	\$7,160.00	\$7,000.00	\$7,000.00	\$8,585.00	\$8,585.00	\$9,255.00	\$9,255.00	\$15,000.00	\$15,000.00	\$12,000.00	\$12,000.00
E5	Furnish and install 2" asphalt trench patch, 1250 square yards, more or less, all complete for:	1250	SY	\$20.00	\$25,000.00	\$20.60	\$25,750.00	\$20.00	\$25,000.00	\$21.00	\$26,250.00	\$21.85	\$27,312.50	\$20.50	\$25,625.00	\$20.00	\$25,000.00	\$21.00	\$26,250.00
E6	Furnish and install asphalt patches for sidewalk and driveway patches, 350 tons, more or less, all complete for:	350	TON	\$165.00	\$57,750.00	\$170.00	\$59,500.00	\$165.00	\$57,750.00	\$175.00	\$61,250.00	\$182.05	\$63,717.50	\$167.00	\$58,450.00	\$170.00	\$59,500.00	\$175.00	\$61,250.00
E7	Furnish and install turf restoration for all disturbed areas public work, 1 Lump Sum, all complete for:	1	LS	\$62,400.00	\$62,400.00	\$73,959.00	\$73,959.00	\$21,061.00	\$21,061.00	\$50,000.00	\$50,000.00	\$127,260.00	\$127,260.00	\$79,995.40	\$79,995.40	\$108,000.00	\$108,000.00	\$37,000.00	\$37,000.00
E8	Furnish, install, and maintain all erosion control, including all inlet protection, 1 Lump Sum, all complete for:	1	LS	\$5,000.00	\$5,000.00	\$4,043.00	\$4,043.00	\$4,500.00	\$4,500.00	\$5,000.00	\$5,000.00	\$4,545.00	\$4,545.00	\$580.00	\$580.00	\$5,000.00	\$5,000.00	\$9,500.00	\$9,500.00

E9	Furnish, install, and maintain traffic control, 1 Lump Sum, all complete for:	1	LS	\$3,725.00	\$3,725.00	\$6,181.00	\$6,181.00	\$4,500.00	\$4,500.00	\$4,000.00	\$4,000.00	\$4,848.00	\$4,848.00	\$4,150.00	\$4,150.00	\$4,100.00	\$4,100.00	\$3,925.00	\$3,925.00
E10	Furnish mobilization/demobilization of all needed equipment, 1 Lump Sum, all complete for:	1	LS	\$72,000.00	\$72,000.00	\$19,315.00	\$19,315.00	\$6,000.00	\$6,000.00	\$13,600.00	\$13,600.00	\$19,087.99	\$19,087.99	\$2,650.00	\$2,650.00	\$3,000.00	\$3,000.00	\$23,300.00	\$23,300.00
				UNIT TOTAL	\$242,985.00	UNIT TOTAL	\$211,062.00	UNIT TOTAL	\$279,971.00	UNIT TOTAL	\$342,550.00	UNIT TOTAL	\$445,740.99	UNIT TOTAL	\$356,705.40	UNIT TOTAL	\$384,600.00	UNIT TOTAL	\$338,225.00
				SUB-TOTAL UNIT D	\$1,456,087.18	SUB-TOTAL UNIT D	\$1,503,581.00	SUB-TOTAL UNIT D	\$1,529,221.57	SUB-TOTAL UNIT D	\$1,400,952.00	SUB-TOTAL UNIT D	\$1,565,396.54	SUB-TOTAL UNIT D	\$1,546,315.00	SUB-TOTAL UNIT D	\$1,673,141.00	SUB-TOTAL UNIT D	\$1,645,505.18
				SUB-TOTAL UNIT E	\$242,985.00	SUB-TOTAL UNIT E	\$211,062.00	SUB-TOTAL UNIT E	\$279,971.00	SUB-TOTAL UNIT E	\$342,550.00	SUB-TOTAL UNIT E	\$445,740.99	SUB-TOTAL UNIT E	\$356,705.40	SUB-TOTAL UNIT E	\$384,600.00	SUB-TOTAL UNIT E	\$338,225.00
				TOTAL BID	\$1,699,072.18	TOTAL BID	\$1,714,643.00	TOTAL BID	\$1,809,192.57	TOTAL BID	\$1,743,502.00	TOTAL BID	\$2,011,137.53	TOTAL BID	\$1,903,020.40	TOTAL BID	\$2,057,741.00	TOTAL BID	\$1,983,730.18
				TOTAL BID ALL UNITS A-E	\$3,569,405.15	TOTAL BID ALL UNITS A-E	\$3,652,841.80	TOTAL BID ALL UNITS A-E	\$3,672,222.22	TOTAL BID ALL UNITS A-E	\$3,765,363.10	TOTAL BID ALL UNITS A-E	\$3,988,151.25	TOTAL BID ALL UNITS A-E	\$4,023,556.00	TOTAL BID ALL UNITS A-E	\$4,058,083.90	TOTAL BID ALL UNITS A-E	\$4,504,162.15
ALTERNATE UNIT F - CONCRETE ITEMS IN INDUSTRIAL PARK																			
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
F1	Furnish and install 8" Doweled Concrete Pavement, 1250 square yards, more or less, all complete for:	1250	SY	\$80.00	\$100,000.00	\$88.00	\$110,000.00	\$87.00	\$108,750.00	\$85.00	\$106,250.00	\$85.85	\$107,312.50	\$85.00	\$106,250.00	\$99.00	\$123,750.00	\$85.00	\$106,250.00
F2	Furnish and install materials to Adjust Manholes, 5 each, more or less, all complete for:	5	EA	\$500.00	\$2,500.00	\$651.00	\$3,255.00	\$695.00	\$3,475.00	\$700.00	\$3,500.00	\$858.50	\$4,292.50	\$665.00	\$3,325.00	\$773.00	\$3,865.00	\$500.00	\$2,500.00
				UNIT TOTAL	\$102,500.00	UNIT TOTAL	\$113,255.00	UNIT TOTAL	\$112,225.00	UNIT TOTAL	\$109,750.00	UNIT TOTAL	\$111,605.00	UNIT TOTAL	\$109,575.00	UNIT TOTAL	\$127,615.00	UNIT TOTAL	\$108,750.00