



City of Fort Smith Water Utilities
Arkansas Highway 45 Utility Relocation
Tabulation of Bids
March 19, 2024, 10:00 a.m.
Project No. 19-12-C1



BID PROPOSAL INCLUDING "A" BID ITEMS				Engineer's Estimate		Forsgren, Inc.		KAJACS Contractors, Inc.	
Item No.	Description	Quantity/ Unit		Unit Cost	Bid	Unit Cost	Bid	Unit Cost	Bid
1.	Performance & Payment Bond	1	LS	\$ 238,000.00	\$ 238,000.00	\$ 88,500.00	\$ 88,500.00	\$ 200,000.00	\$ 200,000.00
2.	Maintenance of Traffic and Traffic Control	1	LS	\$ 233,000.00	\$ 233,000.00	\$ 225,000.00	\$ 225,000.00	\$ 60,000.00	\$ 60,000.00
3.	Construction Erosion Control	1	LS	\$ 173,000.00	\$ 173,000.00	\$ 215,000.00	\$ 215,000.00	\$ 200,000.00	\$ 200,000.00
4.	Site Preparation	1	LS	\$ 335,000.00	\$ 335,000.00	\$ 975,000.00	\$ 975,000.00	\$ 320,000.00	\$ 320,000.00
5.	R&D of Concrete Sidewalk/Driveways	730	SY	\$ 10.00	\$ 7,300.00	\$ 15.30	\$ 11,169.00	\$ 5.00	\$ 3,650.00
6.	R&D of Concrete Curb and Curb & Gutter	200	LF	\$ 15.00	\$ 3,000.00	\$ 7.60	\$ 1,520.00	\$ 5.00	\$ 1,000.00
7.	R&D of Headwalls, Wingwalls, Inlets or Junction Boxes	2	EA	\$ 1,000.00	\$ 2,000.00	\$ 475.00	\$ 950.00	\$ 2,500.00	\$ 5,000.00
8.	R&D of Storm Drain Pipe (up to 24")	200	LF	\$ 10.00	\$ 2,000.00	\$ 16.00	\$ 3,200.00	\$ 10.00	\$ 2,000.00
9.	R&D of Storm Drain Pipe (over 24")	50	LF	\$ 25.00	\$ 1,250.00	\$ 25.00	\$ 1,250.00	\$ 10.00	\$ 500.00
10.	R&D of Concrete Ditch Paving	125	SY	\$ 25.00	\$ 3,125.00	\$ 16.50	\$ 2,062.50	\$ 10.00	\$ 1,250.00
11.	Fill Existing Water Line with Slurry and Abandon (6" to 8")	300	LF	\$ 7.00	\$ 2,100.00	\$ 7.25	\$ 2,175.00	\$ 25.00	\$ 7,500.00
12.	Fill Existing Water Line with Slurry and Abandon (10" to 12")	590	LF	\$ 10.00	\$ 5,900.00	\$ 16.50	\$ 9,735.00	\$ 30.00	\$ 17,700.00
13.	Fill Existing Water Line with Slurry and Abandon (20" to 24")	350	LF	\$ 50.00	\$ 17,500.00	\$ 62.50	\$ 21,875.00	\$ 65.00	\$ 22,750.00
14.	Fill Existing Sewer Line with Slurry and Abandon (8" to 12")	910	LF	\$ 10.00	\$ 9,100.00	\$ 16.00	\$ 14,560.00	\$ 30.00	\$ 27,300.00
15.	Fill Existing AC Sewer Pipe with Slurry and Abandon (10")	60	LF	\$ 10.00	\$ 600.00	\$ 18.00	\$ 1,080.00	\$ 55.00	\$ 3,300.00
16.	Clearing and Grubbing	1	LS	\$ 83,000.00	\$ 83,000.00	\$ 300,000.00	\$ 300,000.00	\$ 150,000.00	\$ 150,000.00
17.	Trench or Excavation Safety System	1	LS	\$ 109,000.00	\$ 109,000.00	\$ 350,000.00	\$ 350,000.00	\$ 95,000.00	\$ 95,000.00
18.	Select Backfill (Trenches)	1,670	CY	\$ 35.00	\$ 58,450.00	\$ 44.00	\$ 73,480.00	\$ 30.00	\$ 50,100.00
19.	Granular Backfill (Trenches)	270	CY	\$ 50.00	\$ 13,500.00	\$ 62.00	\$ 16,740.00	\$ 95.00	\$ 25,650.00
20.	Rock Excavation (Trenches)	1,000	CY	\$ 155.00	\$ 155,000.00	\$ 1.00	\$ 1,000.00	\$ 1.00	\$ 1,000.00
21.	Concrete Encasement	15	CY	\$ 200.00	\$ 3,000.00	\$ 360.00	\$ 5,400.00	\$ 450.00	\$ 6,750.00
22.	Over Excavation (Trenches)	100	CY	\$ 50.00	\$ 5,000.00	\$ 28.00	\$ 2,800.00	\$ 90.00	\$ 9,000.00
23.	Sanitary Sewer Trenching & Backfilling 4'-8'	1,834	LF	\$ 25.00	\$ 45,850.00	\$ 10.00	\$ 18,340.00	\$ 45.00	\$ 82,530.00
24.	Sanitary Sewer Trenching & Backfilling 8'-12'	2,530	LF	\$ 35.00	\$ 88,550.00	\$ 15.00	\$ 37,950.00	\$ 65.00	\$ 164,450.00
25.	Sanitary Sewer Trenching & Backfilling 12' & Deeper	380	LF	\$ 45.00	\$ 17,100.00	\$ 25.00	\$ 9,500.00	\$ 150.00	\$ 57,000.00
26.	Special Bedding (8" to 10")	790	LF	\$ 15.00	\$ 11,850.00	\$ 14.00	\$ 11,060.00	\$ 15.00	\$ 11,850.00
27.	Special Bedding (15" to 16")	425	LF	\$ 25.00	\$ 10,625.00	\$ 17.50	\$ 7,437.50	\$ 20.00	\$ 8,500.00
28.	Special Bedding (24")	2,340	LF	\$ 30.00	\$ 70,200.00	\$ 19.25	\$ 45,045.00	\$ 25.00	\$ 58,500.00
29.	Flowable Fill	600	CY	\$ 160.00	\$ 96,000.00	\$ 205.00	\$ 123,000.00	\$ 350.00	\$ 210,000.00
30.	Pipe Casing - 2" Sch 40 PVC (Bored)	240	LF	\$ 60.00	\$ 14,400.00	\$ 106.00	\$ 25,440.00	\$ 75.00	\$ 18,000.00
31.	Pipe Casing - 8" Steel (Bored)	150	LF	\$ 250.00	\$ 37,500.00	\$ 500.00	\$ 75,000.00	\$ 800.00	\$ 120,000.00
32.	Pipe Casing - 12" Steel (Bored)	401	LF	\$ 350.00	\$ 140,350.00	\$ 520.00	\$ 208,520.00	\$ 600.00	\$ 240,600.00
33.	Pipe Casing - 16" Steel (Bored)	149	LF	\$ 550.00	\$ 81,950.00	\$ 620.00	\$ 92,380.00	\$ 900.00	\$ 134,100.00
34.	Pipe Casing - 18" Steel (Bored)	808	LF	\$ 650.00	\$ 525,200.00	\$ 685.00	\$ 553,480.00	\$ 900.00	\$ 727,200.00
35.	Pipe Casing - 18" Steel (Open Cut)	37	LF	\$ 250.00	\$ 9,250.00	\$ 530.00	\$ 19,610.00	\$ 400.00	\$ 14,800.00
36.	Pipe Casing - 20" Steel (Bored)	310	LF	\$ 750.00	\$ 232,500.00	\$ 805.00	\$ 249,550.00	\$ 1,000.00	\$ 310,000.00
37.	Pipe Casing - 20" Steel (Open Cut)	25	LF	\$ 300.00	\$ 7,500.00	\$ 680.00	\$ 17,000.00	\$ 500.00	\$ 12,500.00
38.	Pipe Casing - 24" Steel (Bored)	275	LF	\$ 1,000.00	\$ 275,000.00	\$ 840.00	\$ 231,000.00	\$ 1,100.00	\$ 302,500.00
39A.	Pipe Casing - 24" Steel (Open Cut)	180	LF	\$ 350.00	\$ 63,000.00	\$ 400.00	\$ 72,000.00	\$ 425.00	\$ 76,500.00
40.	Pipe Casing - 30" Steel (Bored)	123	LF	\$ 1,350.00	\$ 166,050.00	\$ 1,480.00	\$ 182,040.00	\$ 1,750.00	\$ 215,250.00
41.	Pipe Casing - 30" Steel (Open Cut)	60	LF	\$ 400.00	\$ 24,000.00	\$ 665.00	\$ 39,900.00	\$ 550.00	\$ 33,000.00



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Item No.	Description	Quantity/ Unit		Unit Cost	Bid	Unit Cost	Bid	Unit Cost	Bid
42.	Pipe Casing - 36" Steel (Bored)	720	LF	\$ 1,650.00	\$ 1,188,000.00	\$ 1,355.00	\$ 975,600.00	\$ 1,800.00	\$ 1,296,000.00
43A.	Pipe Casing - 36" Steel (Open Cut)	377	LF	\$ 450.00	\$ 169,650.00	\$ 765.00	\$ 288,405.00	\$ 600.00	\$ 226,200.00
44.	Dewatering and Drainage	1	LS	\$ 10,000.00	\$ 10,000.00	\$ 175,000.00	\$ 175,000.00	\$ 12,500.00	\$ 12,500.00
45.	Seeding, Fertilizing, & Mulching	10	AC	\$ 7,500.00	\$ 72,000.00	\$ 1,850.00	\$ 17,760.00	\$ 5,000.00	\$ 48,000.00
46.	Solid Sodding	9,700	SY	\$ 10.00	\$ 97,000.00	\$ 9.00	\$ 87,300.00	\$ 10.00	\$ 97,000.00
47.	Aggregate Base Course for Driveways (4" Thickness)	670	SY	\$ 35.00	\$ 23,450.00	\$ 12.00	\$ 8,040.00	\$ 12.00	\$ 8,040.00
48.	ACHM Surface Course (Type 3)	120	TN	\$ 180.00	\$ 21,600.00	\$ 245.00	\$ 29,400.00	\$ 250.00	\$ 30,000.00
49.	P.C. Concrete Pavement (6" Thickness)	730	SY	\$ 90.00	\$ 65,700.00	\$ 100.00	\$ 73,000.00	\$ 85.00	\$ 62,050.00
50.	Deep Patch (8" Thickness)	313	SY	\$ 65.00	\$ 20,345.00	\$ 90.00	\$ 28,170.00	\$ 90.00	\$ 28,170.00
51.	Curb & Gutter (Type A - Barrier)	200	LF	\$ 40.00	\$ 8,000.00	\$ 54.00	\$ 10,800.00	\$ 35.00	\$ 7,000.00
52.	18" RCP Class III	90	LF	\$ 65.00	\$ 5,850.00	\$ 113.00	\$ 10,170.00	\$ 75.00	\$ 6,750.00
53.	24" RCP Class III	60	LF	\$ 80.00	\$ 4,800.00	\$ 115.00	\$ 6,900.00	\$ 125.00	\$ 7,500.00
54.	36" RCP Class III	50	LF	\$ 150.00	\$ 7,500.00	\$ 206.00	\$ 10,300.00	\$ 145.00	\$ 7,250.00
55.	22" x 13" RCPA Class III	50	LF	\$ 70.00	\$ 3,500.00	\$ 135.00	\$ 6,750.00	\$ 145.00	\$ 7,250.00
56.	Concrete Inlets and Junction Boxes	4	CY	\$ 1,500.00	\$ 6,000.00	\$ 1,660.00	\$ 6,640.00	\$ 5,000.00	\$ 20,000.00
57.	Manhole Frame and Cover (Bolt-Down)	5	EA	\$ 400.00	\$ 2,000.00	\$ 630.00	\$ 3,150.00	\$ 1,000.00	\$ 5,000.00
58.	Concrete Ditch Paving (Non-Reinforced, 6" Thickness)	125	SY	\$ 150.00	\$ 18,750.00	\$ 163.00	\$ 20,375.00	\$ 130.00	\$ 16,250.00
59.	Water Pipe (6-inch, Ductile Iron, Class 350, Zinc Coating) Open Cut	950	LF	\$ 95.00	\$ 90,250.00	\$ 121.50	\$ 115,425.00	\$ 120.00	\$ 114,000.00
60.	Water Pipe (8-inch, Ductile Iron, Class 350, Zinc Coating) Open Cut	590	LF	\$ 100.00	\$ 59,000.00	\$ 148.50	\$ 87,615.00	\$ 135.00	\$ 79,650.00
61.	Water Pipe (10-inch, Ductile Iron, Class 350, Zinc Coating) Open Cut	280	LF	\$ 110.00	\$ 30,800.00	\$ 230.50	\$ 64,540.00	\$ 150.00	\$ 42,000.00
62.	Water Pipe (12-inch, Ductile Iron, Class 350, Zinc Coating) Open Cut	650	LF	\$ 125.00	\$ 81,250.00	\$ 220.50	\$ 143,325.00	\$ 180.00	\$ 117,000.00
63.	Fittings	5,000	LB	\$ 12.00	\$ 60,000.00	\$ 14.40	\$ 72,000.00	\$ 20.00	\$ 100,000.00
64.	Gate Valve With Box (6-Inch)	5	EA	\$ 1,800.00	\$ 9,000.00	\$ 1,975.00	\$ 9,875.00	\$ 2,500.00	\$ 12,500.00
65.	Gate Valve With Box (8-Inch)	5	EA	\$ 2,000.00	\$ 10,000.00	\$ 2,910.00	\$ 14,550.00	\$ 3,500.00	\$ 17,500.00
66.	Gate Valve With Box (10-Inch)	5	EA	\$ 2,500.00	\$ 12,500.00	\$ 4,125.00	\$ 20,625.00	\$ 5,000.00	\$ 25,000.00
67.	Gate Valve With Box (12-Inch)	7	EA	\$ 3,500.00	\$ 24,500.00	\$ 5,370.00	\$ 37,590.00	\$ 6,000.00	\$ 42,000.00
68.	Tapping Sleeve and Valve With Box (6-Inch x 6-Inch)	4	EA	\$ 5,500.00	\$ 22,000.00	\$ 7,600.00	\$ 30,400.00	\$ 8,000.00	\$ 32,000.00
69.	Tapping Sleeve and Valve With Box (8-Inch x 8-Inch)	3	EA	\$ 6,000.00	\$ 18,000.00	\$ 9,010.00	\$ 27,030.00	\$ 10,000.00	\$ 30,000.00
70.	Tapping Sleeve and Valve With Box (10-Inch x 10-Inch)	4	EA	\$ 7,500.00	\$ 30,000.00	\$ 12,350.00	\$ 49,400.00	\$ 20,000.00	\$ 80,000.00
71.	Tapping Sleeve and Valve With Box (12-Inch x 12-Inch)	5	EA	\$ 9,000.00	\$ 45,000.00	\$ 15,225.00	\$ 76,125.00	\$ 21,000.00	\$ 105,000.00
72.	Fire Hydrant Assembly (Regular)	30	EA	\$ 7,500.00	\$ 225,000.00	\$ 7,500.00	\$ 225,000.00	\$ 10,000.00	\$ 300,000.00
73.	Fire Hydrant Assembly (Parallel)	6	EA	\$ 8,000.00	\$ 48,000.00	\$ 8,305.00	\$ 49,830.00	\$ 10,000.00	\$ 60,000.00
74.	Connection to Existing Line (12-inch)	1	EA	\$ 20,000.00	\$ 20,000.00	\$ 2,350.00	\$ 2,350.00	\$ 3,500.00	\$ 3,500.00
75.	Polyethylene Wrap (6-Inch)	950	LF	\$ 5.00	\$ 4,750.00	\$ 1.90	\$ 1,805.00	\$ 2.00	\$ 1,900.00
76.	Polyethylene Wrap (8-Inch)	590	LF	\$ 5.30	\$ 3,127.00	\$ 2.25	\$ 1,327.50	\$ 2.00	\$ 1,180.00
77.	Polyethylene Wrap (10-Inch)	280	LF	\$ 5.50	\$ 1,540.00	\$ 2.75	\$ 770.00	\$ 2.00	\$ 560.00
78.	Polyethylene Wrap (12-Inch)	650	LF	\$ 5.50	\$ 3,575.00	\$ 2.80	\$ 1,820.00	\$ 3.00	\$ 1,950.00
79.	Polyethylene Wrap (16-Inch)	2,710	LF	\$ 6.00	\$ 16,260.00	\$ 2.90	\$ 7,859.00	\$ 3.00	\$ 8,130.00
80.	Polyethylene Wrap (20-Inch)	20	LF	\$ 6.50	\$ 130.00	\$ 3.30	\$ 66.00	\$ 5.00	\$ 100.00
81.	Polyethylene Wrap (24-Inch)	10,730	LF	\$ 7.00	\$ 75,110.00	\$ 3.50	\$ 37,555.00	\$ 7.00	\$ 75,110.00
82A.	Water Pipe (16-inch, Ductile Iron, Class 250, Zinc Coating) Open Cut	2,710	LF	\$ 170.00	\$ 460,700.00	\$ 229.00	\$ 620,590.00	\$ 245.00	\$ 663,950.00



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Item No.	Description	Quantity/ Unit		Unit Cost	Bid	Unit Cost	Bid	Unit Cost	Bid
83.	Water Pipe (20-inch, Ductile Iron, Class 250, Zinc Coating) Open Cut	20	LF	\$ 210.00	\$ 4,200.00	\$ 355.00	\$ 7,100.00	\$ 250.00	\$ 5,000.00
84A.	Water Pipe (24-inch, Ductile Iron, Class 250, Zinc Coating) Open Cut	10,730	LF	\$ 230.00	\$ 2,467,900.00	\$ 350.85	\$ 3,764,620.50	\$ 373.00	\$ 4,002,290.00
85.	Fittings (Water Line Greater Than 12-Inches)	47,900	LB	\$ 16.00	\$ 766,400.00	\$ 10.75	\$ 514,925.00	\$ 17.00	\$ 814,300.00
86.	Tapping Sleeve and Valve With Box (16-Inch x 16-Inch)	1	EA	\$ 20,000.00	\$ 20,000.00	\$ 41,500.00	\$ 41,500.00	\$ 40,000.00	\$ 40,000.00
87.	Tapping Sleeve and Valve With Box (24-Inch x 20-Inch)	1	EA	\$ 30,000.00	\$ 30,000.00	\$ 62,000.00	\$ 62,000.00	\$ 75,000.00	\$ 75,000.00
88.	Blow-Off Assembly (Water Line Greater Than 12-inch)	7	EA	\$ 9,000.00	\$ 63,000.00	\$ 17,950.00	\$ 125,650.00	\$ 30,000.00	\$ 210,000.00
89A.	Gate Valve With Box (16-inch)	3	EA	\$ 18,500.00	\$ 55,500.00	\$ 22,050.00	\$ 66,150.00	\$ 18,000.00	\$ 54,000.00
90A.	Gate Valve With Box (24-inch)	2	EA	\$ 45,000.00	\$ 90,000.00	\$ 52,500.00	\$ 105,000.00	\$ 65,000.00	\$ 130,000.00
91A.	Ball Valve (16-inch) Including Valve Vault	3	EA	\$ 90,000.00	\$ 270,000.00	\$ 121,500.00	\$ 364,500.00	\$ 125,000.00	\$ 375,000.00
92A.	Ball Valve (24-inch) Including Valve Vault	1	EA	\$ 125,000.00	\$ 125,000.00	\$ 174,800.00	\$ 174,800.00	\$ 165,000.00	\$ 165,000.00
93.	Ball Valve (24-inch x 2) Including Valve Vault	1	EA	\$ 175,000.00	\$ 175,000.00	\$ 348,000.00	\$ 348,000.00	\$ 375,000.00	\$ 375,000.00
94.	Exploratory Excavation of Concrete Pressure Pipe (24-inch)	1	LS	\$ 15,000.00	\$ 15,000.00	\$ 11,600.00	\$ 11,600.00	\$ 10,000.00	\$ 10,000.00
95.	Line-Stop Valve and Pipe Restraint on Concrete Pressure Pipe (24-inch)	1	EA	\$ 36,000.00	\$ 36,000.00	\$ 48,800.00	\$ 48,800.00	\$ 90,000.00	\$ 90,000.00
96.	Cut-In Connection on Concrete Pressure Pipe (24-inch)	1	EA	\$ 25,000.00	\$ 25,000.00	\$ 56,400.00	\$ 56,400.00	\$ 50,000.00	\$ 50,000.00
97.	Cut, Cap and Abandon Existing Water Line (6-inch)	5	EA	\$ 500.00	\$ 2,500.00	\$ 1,030.00	\$ 5,150.00	\$ 5,000.00	\$ 25,000.00
98.	Cut, Cap and Abandon Existing Water Line (8-inch)	5	EA	\$ 900.00	\$ 4,500.00	\$ 1,030.00	\$ 5,150.00	\$ 5,500.00	\$ 27,500.00
99.	Cut, Cap and Abandon Existing Water Line (10-inch)	6	EA	\$ 1,400.00	\$ 8,400.00	\$ 1,300.00	\$ 7,800.00	\$ 7,500.00	\$ 45,000.00
100.	Cut, Cap and Abandon Existing Water Line (12-inch)	7	EA	\$ 2,000.00	\$ 14,000.00	\$ 1,350.00	\$ 9,450.00	\$ 7,500.00	\$ 52,500.00
101.	Cut, Cap and Abandon Existing Water Line (16-inch)	4	EA	\$ 3,500.00	\$ 14,000.00	\$ 2,275.00	\$ 9,100.00	\$ 7,500.00	\$ 30,000.00
102.	Cut, Cap and Abandon Existing Water Line (20-inch)	1	EA	\$ 5,000.00	\$ 5,000.00	\$ 2,500.00	\$ 2,500.00	\$ 12,000.00	\$ 12,000.00
103.	Cut, Cap and Abandon Existing Water Line (24-inch)	1	EA	\$ 8,000.00	\$ 8,000.00	\$ 2,680.00	\$ 2,680.00	\$ 16,000.00	\$ 16,000.00
104.	Cut, Cap and Abandon Concrete Pressure Pipe (24-inch)	1	EA	\$ 15,000.00	\$ 15,000.00	\$ 10,400.00	\$ 10,400.00	\$ 20,000.00	\$ 20,000.00
105.	Air Release Valve (4-inch) and Vault	7	EA	\$ 45,000.00	\$ 315,000.00	\$ 26,500.00	\$ 185,500.00	\$ 27,500.00	\$ 192,500.00
106.	Water Line Crossing Marker	26	EA	\$ 150.00	\$ 3,900.00	\$ 130.00	\$ 3,380.00	\$ 80.00	\$ 2,080.00
107.	Concrete Thrust Blocking	150	CY	\$ 150.00	\$ 22,500.00	\$ 380.00	\$ 57,000.00	\$ 400.00	\$ 60,000.00
108.	Salvage Air Release Valve and Demolish Vault	6	EA	\$ 2,000.00	\$ 12,000.00	\$ 1,900.00	\$ 11,400.00	\$ 2,500.00	\$ 15,000.00
109.	Salvage Butterfly Valve and Demolish Vault	2	EA	\$ 2,800.00	\$ 5,600.00	\$ 2,350.00	\$ 4,700.00	\$ 2,500.00	\$ 5,000.00
110.	Salvage Butterfly Valve and Box	1	EA	\$ 2,000.00	\$ 2,000.00	\$ 1,650.00	\$ 1,650.00	\$ 2,500.00	\$ 2,500.00
111.	Remove and Relocate Irrigation Backflow Preventor and Enclosure	2	EA	\$ 5,000.00	\$ 10,000.00	\$ 2,050.00	\$ 4,100.00	\$ 2,500.00	\$ 5,000.00
112.	Service Connection (1-Inch)	10	EA	\$ 1,600.00	\$ 16,000.00	\$ 850.00	\$ 8,500.00	\$ 1,500.00	\$ 15,000.00
113.	Service Connection (1.5-Inch)	2	EA	\$ 2,400.00	\$ 4,800.00	\$ 1,100.00	\$ 2,200.00	\$ 2,000.00	\$ 4,000.00
114.	Service Connection (2-Inch)	1	EA	\$ 3,200.00	\$ 3,200.00	\$ 1,600.00	\$ 1,600.00	\$ 2,500.00	\$ 2,500.00
115.	Service Line (1-Inch, PE Tubing, AWWA C901, SDR 9)	510	LF	\$ 32.00	\$ 16,320.00	\$ 12.00	\$ 6,120.00	\$ 40.00	\$ 20,400.00
116.	Service Line (1.5-Inch, PE Tubing, AWWA C901, SDR 9)	40	LF	\$ 38.00	\$ 1,520.00	\$ 26.00	\$ 1,040.00	\$ 45.00	\$ 1,800.00
117.	Service Line (2-Inch, PE Tubing, AWWA C901, SDR 9)	20	EA	\$ 45.00	\$ 900.00	\$ 33.00	\$ 660.00	\$ 50.00	\$ 1,000.00
118.	Water Meter Box (1-Inch)	10	EA	\$ 1,400.00	\$ 14,000.00	\$ 1,275.00	\$ 12,750.00	\$ 1,500.00	\$ 15,000.00
119.	Water Meter Box (1.5-Inch)	2	EA	\$ 1,600.00	\$ 3,200.00	\$ 2,030.00	\$ 4,060.00	\$ 5,000.00	\$ 10,000.00
120.	Water Meter Box (2-Inch)	1	EA	\$ 1,800.00	\$ 1,800.00	\$ 3,200.00	\$ 3,200.00	\$ 5,000.00	\$ 5,000.00
121.	Relocate Water Meter	13	EA	\$ 750.00	\$ 9,750.00	\$ 200.00	\$ 2,600.00	\$ 2,000.00	\$ 26,000.00
122.	Sewer Pipe (8-inch, PVC SDR 35)	2,580	LF	\$ 80.00	\$ 206,400.00	\$ 74.00	\$ 190,920.00	\$ 50.00	\$ 129,000.00
123.	Sewer Pipe (10-inch, PVC SDR 35)	1,640	LF	\$ 85.00	\$ 139,400.00	\$ 87.00	\$ 142,680.00	\$ 65.00	\$ 106,600.00



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124.	Sewer Pipe (12-inch, PVC SDR 35)	160	LF	\$ 125.00	\$ 20,000.00	\$ 119.50	\$ 19,120.00	\$ 70.00	\$ 11,200.00
125.	Sewer Pipe (15-inch, PVC SDR 35)	1,060	LF	\$ 175.00	\$ 185,500.00	\$ 126.00	\$ 133,560.00	\$ 105.00	\$ 111,300.00
126.	Sewer Service Line (4-Inch, PVC Sch. 40) Open Cut	100	LF	\$ 55.00	\$ 5,500.00	\$ 35.00	\$ 3,500.00	\$ 40.00	\$ 4,000.00
127.	Sewer Service Line (6-inch, PVC Sch. 40) Open Cut	40	LF	\$ 80.00	\$ 3,200.00	\$ 50.00	\$ 2,000.00	\$ 50.00	\$ 2,000.00
128.	Sewer Service Wyes (8" x 4")	4	EA	\$ 300.00	\$ 1,200.00	\$ 275.00	\$ 1,100.00	\$ 600.00	\$ 2,400.00
129.	Sewer Service Clean-Outs (4-Inch)	7	EA	\$ 400.00	\$ 2,800.00	\$ 275.00	\$ 1,925.00	\$ 750.00	\$ 5,250.00
130.	Sewer Service Clean-Outs (6-Inch)	1	EA	\$ 500.00	\$ 500.00	\$ 585.00	\$ 585.00	\$ 1,500.00	\$ 1,500.00
131.	Removal and Disposal of AC Sewer Pipe	540	LF	\$ 75.00	\$ 40,500.00	\$ 50.00	\$ 27,000.00	\$ 25.00	\$ 13,500.00
132.	2" Pressure Pipe for Force Main, including fittings	670	LF	\$ 40.00	\$ 26,800.00	\$ 31.25	\$ 20,937.50	\$ 45.00	\$ 30,150.00
133.	Sewer Line Crossing Marker	18	EA	\$ 150.00	\$ 2,700.00	\$ 130.00	\$ 2,340.00	\$ 75.00	\$ 1,350.00
134.	Standard Depth Manhole (4-Foot Diameter, 6 Feet and Less)	37	EA	\$ 4,700.00	\$ 173,900.00	\$ 8,000.00	\$ 296,000.00	\$ 8,500.00	\$ 314,500.00
135.	Additional Depth for Manhole (4-Foot Diameter)	140	VF	\$ 400.00	\$ 56,000.00	\$ 285.00	\$ 39,900.00	\$ 850.00	\$ 119,000.00
136.	Manhole Drops (4 Feet and Less)	4	EA	\$ 2,000.00	\$ 8,000.00	\$ 3,000.00	\$ 12,000.00	\$ 4,000.00	\$ 16,000.00
137.	Additional Height for Manhole Drops	15	VF	\$ 400.00	\$ 6,000.00	\$ 505.00	\$ 7,575.00	\$ 400.00	\$ 6,000.00
138.	Force Main Fittings	800	LB	\$ 10.00	\$ 8,000.00	\$ 17.00	\$ 13,600.00	\$ 15.00	\$ 12,000.00
139.	Sewer Pressure Pipe (10-Inch, PVC AWWA C900)	680	LF	\$ 75.00	\$ 51,000.00	\$ 89.00	\$ 60,520.00	\$ 130.00	\$ 88,400.00
140.	Gate Valve With Box (10-inch)	1	EA	\$ 2,500.00	\$ 2,500.00	\$ 4,140.00	\$ 4,140.00	\$ 5,500.00	\$ 5,500.00
141.	Underground Combination Air Valve System (A.R.I D-025-SB)	2	EA	\$ 45,000.00	\$ 90,000.00	\$ 19,900.00	\$ 39,800.00	\$ 11,000.00	\$ 22,000.00
142.	Remove Existing Manhole	5	EA	\$ 2,000.00	\$ 10,000.00	\$ 1,400.00	\$ 7,000.00	\$ 1,500.00	\$ 7,500.00
143.	Abandon Existing Manhole	24	EA	\$ 1,800.00	\$ 43,200.00	\$ 1,500.00	\$ 36,000.00	\$ 2,500.00	\$ 60,000.00
144.	Cut and Plug Sewer Main	21	EA	\$ 1,000.00	\$ 21,000.00	\$ 1,300.00	\$ 27,300.00	\$ 2,500.00	\$ 52,500.00
145.	Connect to Existing Sewer Main or Manhole	3	EA	\$ 1,200.00	\$ 3,600.00	\$ 1,850.00	\$ 5,550.00	\$ 5,500.00	\$ 16,500.00
146.	Traffic Paint Pavement Marking (White 4")	160	LF	\$ 5.00	\$ 800.00	\$ 12.00	\$ 1,920.00	\$ 15.00	\$ 2,400.00
147.	6' tall Security Chain Link Fence	300	LF	\$ 40.00	\$ 12,000.00	\$ 50.00	\$ 15,000.00	\$ 65.00	\$ 19,500.00
148.	6' tall Security Chain Link Gate (7' to 12' wide)	3	EA	\$ 2,000.00	\$ 6,000.00	\$ 1,735.00	\$ 5,205.00	\$ 10,000.00	\$ 30,000.00
149.	Barbed Wire Fence	140	LF	\$ 40.00	\$ 5,600.00	\$ 16.25	\$ 2,275.00	\$ 30.00	\$ 4,200.00
150.	Up to 4' tall Woven Wire Fence	40	LF	\$ 25.00	\$ 1,000.00	\$ 28.00	\$ 1,120.00	\$ 35.00	\$ 1,400.00
151.	12' Wide Vehicular Gate	2	EA	\$ 3,000.00	\$ 6,000.00	\$ 1,375.00	\$ 2,750.00	\$ 2,000.00	\$ 4,000.00
152.	Steel Pipe Brace Assembly	4	EA	\$ 1,000.00	\$ 4,000.00	\$ 480.00	\$ 1,920.00	\$ 750.00	\$ 3,000.00
153.	Construction Within Railroad Rights-of-Way	1	LS	\$ 293,000.00	\$ 293,000.00	\$ 350,000.00	\$ 350,000.00	\$ 276,260.00	\$ 276,260.00
Schedule I - Total Base Bid Including "A" Bid Items				\$ 12,544,327.00	\$ 15,324,959.50	\$ 15,324,959.50	\$ 16,300,000.00		
								Corrected Total	\$ 16,290,000.00



City of Fort Smith Water Utilities
Arkansas Highway 45 Utility Relocation
Tabulation of Bids
March 19, 2024, 10:00 a.m.
Project No. 19-12-C1



BID PROPOSAL INCLUDING "B" BID ITEMS				Engineer's Estimate		Forsgren, Inc.		KAJACS Contractors, Inc.	
Item No.	Description	Quantity/ Unit		Unit Cost	Bid	Unit Cost	Bid	Unit Cost	Bid
1.	Performance & Payment Bond	1	LS	\$ 238,000.00	\$ 238,000.00	\$ 88,500.00	\$ 88,500.00	\$ 200,000.00	\$ 200,000.00
2.	Maintenance of Traffic and Traffic Control	1	LS	\$ 233,000.00	\$ 233,000.00	\$ 225,000.00	\$ 225,000.00	\$ 60,000.00	\$ 60,000.00
3.	Construction Erosion Control	1	LS	\$ 173,000.00	\$ 173,000.00	\$ 215,000.00	\$ 215,000.00	\$ 200,000.00	\$ 200,000.00
4.	Site Preparation	1	LS	\$ 335,000.00	\$ 335,000.00	\$ 975,000.00	\$ 975,000.00	\$ 320,000.00	\$ 320,000.00
5.	R&D of Concrete Sidewalk/Driveways	730	SY	\$ 10.00	\$ 7,300.00	\$ 15.30	\$ 11,169.00	\$ 5.00	\$ 3,650.00
6.	R&D of Concrete Curb and Curb & Gutter	200	LF	\$ 15.00	\$ 3,000.00	\$ 7.60	\$ 1,520.00	\$ 5.00	\$ 1,000.00
7.	R&D of Headwalls, Wingwalls, Inlets or Junction Boxes	2	EA	\$ 1,000.00	\$ 2,000.00	\$ 475.00	\$ 950.00	\$ 2,500.00	\$ 5,000.00
8.	R&D of Storm Drain Pipe (up to 24")	200	LF	\$ 10.00	\$ 2,000.00	\$ 16.00	\$ 3,200.00	\$ 10.00	\$ 2,000.00
9.	R&D of Storm Drain Pipe (over 24")	50	LF	\$ 25.00	\$ 1,250.00	\$ 25.00	\$ 1,250.00	\$ 10.00	\$ 500.00
10.	R&D of Concrete Ditch Paving	125	SY	\$ 25.00	\$ 3,125.00	\$ 16.50	\$ 2,062.50	\$ 10.00	\$ 1,250.00
11.	Fill Existing Water Line with Slurry and Abandon (6" to 8")	300	LF	\$ 7.00	\$ 2,100.00	\$ 7.25	\$ 2,175.00	\$ 25.00	\$ 7,500.00
12.	Fill Existing Water Line with Slurry and Abandon (10" to 12")	590	LF	\$ 10.00	\$ 5,900.00	\$ 16.50	\$ 9,735.00	\$ 30.00	\$ 17,700.00
13.	Fill Existing Water Line with Slurry and Abandon (20" to 24")	350	LF	\$ 50.00	\$ 17,500.00	\$ 62.50	\$ 21,875.00	\$ 65.00	\$ 22,750.00
14.	Fill Existing Sewer Line with Slurry and Abandon (8" to 12")	910	LF	\$ 10.00	\$ 9,100.00	\$ 16.00	\$ 14,560.00	\$ 30.00	\$ 27,300.00
15.	Fill Existing AC Sewer Pipe with Slurry and Abandon (10")	60	LF	\$ 10.00	\$ 600.00	\$ 18.00	\$ 1,080.00	\$ 55.00	\$ 3,300.00
16.	Clearing and Grubbing	1	LS	\$ 83,000.00	\$ 83,000.00	\$ 300,000.00	\$ 300,000.00	\$ 150,000.00	\$ 150,000.00
17.	Trench or Excavation Safety System	1	LS	\$ 109,000.00	\$ 109,000.00	\$ 350,000.00	\$ 350,000.00	\$ 95,000.00	\$ 95,000.00
18.	Select Backfill (Trenches)	1,670	CY	\$ 35.00	\$ 58,450.00	\$ 44.00	\$ 73,480.00	\$ 30.00	\$ 50,100.00
19.	Granular Backfill (Trenches)	270	CY	\$ 50.00	\$ 13,500.00	\$ 62.00	\$ 16,740.00	\$ 95.00	\$ 25,650.00
20.	Rock Excavation (Trenches)	1,000	CY	\$ 155.00	\$ 155,000.00	\$ 1.00	\$ 1,000.00	\$ 1.00	\$ 1,000.00
21.	Concrete Encasement	15	CY	\$ 200.00	\$ 3,000.00	\$ 360.00	\$ 5,400.00	\$ 450.00	\$ 6,750.00
22.	Over Excavation (Trenches)	100	CY	\$ 50.00	\$ 5,000.00	\$ 28.00	\$ 2,800.00	\$ 90.00	\$ 9,000.00
23.	Sanitary Sewer Trenching & Backfilling 4'-8'	1,834	LF	\$ 25.00	\$ 45,850.00	\$ 10.00	\$ 18,340.00	\$ 45.00	\$ 82,530.00
24.	Sanitary Sewer Trenching & Backfilling 8'-12'	2,530	LF	\$ 35.00	\$ 88,550.00	\$ 15.00	\$ 37,950.00	\$ 65.00	\$ 164,450.00
25.	Sanitary Sewer Trenching & Backfilling 12' & Deeper	380	LF	\$ 45.00	\$ 17,100.00	\$ 25.00	\$ 9,500.00	\$ 150.00	\$ 57,000.00
26.	Special Bedding (8" to 10")	790	LF	\$ 15.00	\$ 11,850.00	\$ 14.00	\$ 11,060.00	\$ 15.00	\$ 11,850.00
27.	Special Bedding (15" to 16")	425	LF	\$ 25.00	\$ 10,625.00	\$ 17.50	\$ 7,437.50	\$ 20.00	\$ 8,500.00
28.	Special Bedding (24")	2,340	LF	\$ 30.00	\$ 70,200.00	\$ 19.25	\$ 45,045.00	\$ 25.00	\$ 58,500.00
29.	Flowable Fill	600	CY	\$ 160.00	\$ 96,000.00	\$ 205.00	\$ 123,000.00	\$ 350.00	\$ 210,000.00
30.	Pipe Casing - 2" Sch 40 PVC (Bored)	240	LF	\$ 60.00	\$ 14,400.00	\$ 106.00	\$ 25,440.00	\$ 75.00	\$ 18,000.00
31.	Pipe Casing - 8" Steel (Bored)	150	LF	\$ 250.00	\$ 37,500.00	\$ 500.00	\$ 75,000.00	\$ 800.00	\$ 120,000.00
32.	Pipe Casing - 12" Steel (Bored)	401	LF	\$ 350.00	\$ 140,350.00	\$ 520.00	\$ 208,520.00	\$ 600.00	\$ 240,600.00
33.	Pipe Casing - 16" Steel (Bored)	149	LF	\$ 550.00	\$ 81,950.00	\$ 620.00	\$ 92,380.00	\$ 900.00	\$ 134,100.00
34.	Pipe Casing - 18" Steel (Bored)	808	LF	\$ 650.00	\$ 525,200.00	\$ 685.00	\$ 553,480.00	\$ 900.00	\$ 727,200.00
35.	Pipe Casing - 18" Steel (Open Cut)	37	LF	\$ 250.00	\$ 9,250.00	\$ 530.00	\$ 19,610.00	\$ 400.00	\$ 14,800.00
36.	Pipe Casing - 20" Steel (Bored)	310	LF	\$ 750.00	\$ 232,500.00	\$ 805.00	\$ 249,550.00	\$ 1,000.00	\$ 310,000.00
37.	Pipe Casing - 20" Steel (Open Cut)	25	LF	\$ 300.00	\$ 7,500.00	\$ 680.00	\$ 17,000.00	\$ 500.00	\$ 12,500.00
38.	Pipe Casing - 24" Steel (Bored)	275	LF	\$ 1,000.00	\$ 275,000.00	\$ 840.00	\$ 231,000.00	\$ 1,100.00	\$ 302,500.00
39B.	Pipe Casing - 24" Steel (Open Cut)	0	LF	\$ 350.00	\$ -	\$ 400.00	\$ -	\$ -	\$ -
40.	Pipe Casing - 30" Steel (Bored)	123	LF	\$ 1,350.00	\$ 166,050.00	\$ 1,480.00	\$ 182,040.00	\$ 1,750.00	\$ 215,250.00
41.	Pipe Casing - 30" Steel (Open Cut)	60	LF	\$ 400.00	\$ 24,000.00	\$ 665.00	\$ 39,900.00	\$ 550.00	\$ 33,000.00



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Project No. 19-12-C1



BID PROPOSAL INCLUDING "B" BID ITEMS				Engineer's Estimate		Forsgren, Inc.		KAJACS Contractors, Inc.	
Item No.	Description	Quantity/ Unit		Unit Cost	Bid	Unit Cost	Bid	Unit Cost	Bid
42.	Pipe Casing - 36" Steel (Bored)	720	LF	\$ 1,650.00	\$ 1,188,000.00	\$ 1,355.00	\$ 975,600.00	\$ 1,800.00	\$ 1,296,000.00
43B.	Pipe Casing - 36" Steel (Open Cut)	557	LF	\$ 450.00	\$ 250,650.00	\$ 705.00	\$ 392,685.00	\$ 600.00	\$ 334,200.00
44.	Dewatering and Drainage	1	LS	\$ 10,000.00	\$ 10,000.00	\$ 175,000.00	\$ 175,000.00	\$ 12,500.00	\$ 12,500.00
45.	Seeding, Fertilizing, & Mulching	10	AC	\$ 7,500.00	\$ 72,000.00	\$ 1,850.00	\$ 17,760.00	\$ 5,000.00	\$ 48,000.00
46.	Solid Sodding	9,700	SY	\$ 10.00	\$ 97,000.00	\$ 9.00	\$ 87,300.00	\$ 10.00	\$ 97,000.00
47.	Aggregate Base Course for Driveways (4" Thickness)	670	SY	\$ 35.00	\$ 23,450.00	\$ 12.00	\$ 8,040.00	\$ 12.00	\$ 8,040.00
48.	ACHM Surface Course (Type 3)	120	TN	\$ 180.00	\$ 21,600.00	\$ 245.00	\$ 29,400.00	\$ 250.00	\$ 30,000.00
49.	P.C. Concrete Pavement (6" Thickness)	730	SY	\$ 90.00	\$ 65,700.00	\$ 100.00	\$ 73,000.00	\$ 85.00	\$ 62,050.00
50.	Deep Patch (8" Thickness)	313	SY	\$ 65.00	\$ 20,345.00	\$ 90.00	\$ 28,170.00	\$ 90.00	\$ 28,170.00
51.	Curb & Gutter (Type A - Barrier)	200	LF	\$ 40.00	\$ 8,000.00	\$ 54.00	\$ 10,800.00	\$ 35.00	\$ 7,000.00
52.	18" RCP Class III	90	LF	\$ 65.00	\$ 5,850.00	\$ 113.00	\$ 10,170.00	\$ 75.00	\$ 6,750.00
53.	24" RCP Class III	60	LF	\$ 80.00	\$ 4,800.00	\$ 115.00	\$ 6,900.00	\$ 125.00	\$ 7,500.00
54.	36" RCP Class III	50	LF	\$ 150.00	\$ 7,500.00	\$ 206.00	\$ 10,300.00	\$ 145.00	\$ 7,250.00
55.	22" x 13" RCPA Class III	50	LF	\$ 70.00	\$ 3,500.00	\$ 135.00	\$ 6,750.00	\$ 145.00	\$ 7,250.00
56.	Concrete Inlets and Junction Boxes	4	CY	\$ 1,500.00	\$ 6,000.00	\$ 1,660.00	\$ 6,640.00	\$ 5,000.00	\$ 20,000.00
57.	Manhole Frame and Cover (Bolt-Down)	5	EA	\$ 400.00	\$ 2,000.00	\$ 630.00	\$ 3,150.00	\$ 1,000.00	\$ 5,000.00
58.	Concrete Ditch Paving (Non-Reinforced, 6" Thickness)	125	SY	\$ 150.00	\$ 18,750.00	\$ 163.00	\$ 20,375.00	\$ 130.00	\$ 16,250.00
59.	Water Pipe (6-inch, Ductile Iron, Class 350, Zinc Coating) Open Cut	950	LF	\$ 95.00	\$ 90,250.00	\$ 121.50	\$ 115,425.00	\$ 120.00	\$ 114,000.00
60.	Water Pipe (8-inch, Ductile Iron, Class 350, Zinc Coating) Open Cut	590	LF	\$ 100.00	\$ 59,000.00	\$ 148.50	\$ 87,615.00	\$ 135.00	\$ 79,650.00
61.	Water Pipe (10-inch, Ductile Iron, Class 350, Zinc Coating) Open Cut	280	LF	\$ 110.00	\$ 30,800.00	\$ 230.50	\$ 64,540.00	\$ 150.00	\$ 42,000.00
62.	Water Pipe (12-inch, Ductile Iron, Class 350, Zinc Coating) Open Cut	650	LF	\$ 125.00	\$ 81,250.00	\$ 220.50	\$ 143,325.00	\$ 180.00	\$ 117,000.00
63.	Fittings	5,000	LB	\$ 12.00	\$ 60,000.00	\$ 14.40	\$ 72,000.00	\$ 20.00	\$ 100,000.00
64.	Gate Valve With Box (6-Inch)	5	EA	\$ 1,800.00	\$ 9,000.00	\$ 1,975.00	\$ 9,875.00	\$ 2,500.00	\$ 12,500.00
65.	Gate Valve With Box (8-Inch)	5	EA	\$ 2,000.00	\$ 10,000.00	\$ 2,910.00	\$ 14,550.00	\$ 3,500.00	\$ 17,500.00
66.	Gate Valve With Box (10-Inch)	5	EA	\$ 2,500.00	\$ 12,500.00	\$ 4,125.00	\$ 20,625.00	\$ 5,000.00	\$ 25,000.00
67.	Gate Valve With Box (12-Inch)	7	EA	\$ 3,500.00	\$ 24,500.00	\$ 5,370.00	\$ 37,590.00	\$ 6,000.00	\$ 42,000.00
68.	Tapping Sleeve and Valve With Box (6-Inch x 6-Inch)	4	EA	\$ 5,500.00	\$ 22,000.00	\$ 7,600.00	\$ 30,400.00	\$ 8,000.00	\$ 32,000.00
69.	Tapping Sleeve and Valve With Box (8-Inch x 8-Inch)	3	EA	\$ 6,000.00	\$ 18,000.00	\$ 9,010.00	\$ 27,030.00	\$ 10,000.00	\$ 30,000.00
70.	Tapping Sleeve and Valve With Box (10-Inch x 10-Inch)	4	EA	\$ 7,500.00	\$ 30,000.00	\$ 12,350.00	\$ 49,400.00	\$ 20,000.00	\$ 80,000.00
71.	Tapping Sleeve and Valve With Box (12-Inch x 12-Inch)	5	EA	\$ 9,000.00	\$ 45,000.00	\$ 15,225.00	\$ 76,125.00	\$ 21,000.00	\$ 105,000.00
72.	Fire Hydrant Assembly (Regular)	30	EA	\$ 7,500.00	\$ 225,000.00	\$ 7,500.00	\$ 225,000.00	\$ 10,000.00	\$ 300,000.00
73.	Fire Hydrant Assembly (Parallel)	6	EA	\$ 8,000.00	\$ 48,000.00	\$ 8,305.00	\$ 49,830.00	\$ 10,000.00	\$ 60,000.00
74.	Connection to Existing Line (12-inch)	1	EA	\$ 20,000.00	\$ 20,000.00	\$ 2,350.00	\$ 2,350.00	\$ 3,500.00	\$ 3,500.00
75.	Polyethylene Wrap (6-Inch)	950	LF	\$ 5.00	\$ 4,750.00	\$ 1.90	\$ 1,805.00	\$ 2.00	\$ 1,900.00
76.	Polyethylene Wrap (8-Inch)	590	LF	\$ 5.30	\$ 3,127.00	\$ 2.25	\$ 1,327.50	\$ 2.00	\$ 1,180.00
77.	Polyethylene Wrap (10-Inch)	280	LF	\$ 5.50	\$ 1,540.00	\$ 2.75	\$ 770.00	\$ 2.00	\$ 560.00
78.	Polyethylene Wrap (12-Inch)	650	LF	\$ 5.50	\$ 3,575.00	\$ 2.80	\$ 1,820.00	\$ 3.00	\$ 1,950.00
79.	Polyethylene Wrap (16-Inch)	2,710	LF	\$ 6.00	\$ 16,260.00	\$ 2.90	\$ 7,859.00	\$ 3.00	\$ 8,130.00
80.	Polyethylene Wrap (20-Inch)	20	LF	\$ 6.50	\$ 130.00	\$ 3.30	\$ 66.00	\$ 5.00	\$ 100.00
81.	Polyethylene Wrap (24-Inch)	10,730	LF	\$ 7.00	\$ 75,110.00	\$ 3.50	\$ 37,555.00	\$ 7.00	\$ 75,110.00
82B.	Water Pipe (16-inch, Ductile Iron, Class 250, Zinc Coating) Open Cut	100	LF	\$ 170.00	\$ 17,000.00	\$ 288.00	\$ 28,800.00	\$ 245.00	\$ 24,500.00



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Item No.	Description	Quantity/ Unit		Unit Cost	Bid	Unit Cost	Bid	Unit Cost	Bid
83.	Water Pipe (20-inch, Ductile Iron, Class 250, Zinc Coating) Open Cut	20	LF	\$ 210.00	\$ 4,200.00	\$ 355.00	\$ 7,100.00	\$ 250.00	\$ 5,000.00
84B.	Water Pipe (24-inch, Ductile Iron, Class 250, Zinc Coating) Open Cut	13,330	LF	\$ 230.00	\$ 3,065,900.00	\$ 351.85	\$ 4,690,160.50	\$ 378.00	\$ 5,038,740.00
85.	Fittings (Water Line Greater Than 12-Inches)	47,900	LB	\$ 16.00	\$ 766,400.00	\$ 10.75	\$ 514,925.00	\$ 17.00	\$ 814,300.00
86.	Tapping Sleeve and Valve With Box (16-Inch x 16-Inch)	1	EA	\$ 20,000.00	\$ 20,000.00	\$ 41,500.00	\$ 41,500.00	\$ 40,000.00	\$ 40,000.00
87.	Tapping Sleeve and Valve With Box (24-Inch x 20-Inch)	1	EA	\$ 30,000.00	\$ 30,000.00	\$ 62,000.00	\$ 62,000.00	\$ 75,000.00	\$ 75,000.00
88.	Blow-Off Assembly (Water Line Greater Than 12-inch)	7	EA	\$ 9,000.00	\$ 63,000.00	\$ 17,950.00	\$ 125,650.00	\$ 30,000.00	\$ 210,000.00
89B.	Gate Valve With Box (16-inch)	0	EA	\$ 18,500.00	\$ -	\$ -	\$ -	\$ -	\$ -
90B.	Gate Valve With Box (24-inch)	3	EA	\$ 45,000.00	\$ 135,000.00	\$ 52,500.00	\$ 157,500.00	\$ 65,000.00	\$ 195,000.00
91B.	Ball Valve (16-inch) Including Valve Vault	1	EA	\$ 90,000.00	\$ 90,000.00	\$ 121,500.00	\$ 121,500.00	\$ 125,000.00	\$ 125,000.00
92B.	Ball Valve (24-inch) Including Valve Vault	3	EA	\$ 125,000.00	\$ 375,000.00	\$ 174,800.00	\$ 524,400.00	\$ 165,000.00	\$ 495,000.00
93.	Ball Valve (24-inch x 2) Including Valve Vault	1	EA	\$ 175,000.00	\$ 175,000.00	\$ 348,000.00	\$ 348,000.00	\$ 375,000.00	\$ 375,000.00
94.	Exploratory Excavation of Concrete Pressure Pipe (24-inch)	1	LS	\$ 15,000.00	\$ 15,000.00	\$ 11,600.00	\$ 11,600.00	\$ 10,000.00	\$ 10,000.00
95.	Line-Stop Valve and Pipe Restraint on Concrete Pressure Pipe (24-inch)	1	EA	\$ 36,000.00	\$ 36,000.00	\$ 48,800.00	\$ 48,800.00	\$ 90,000.00	\$ 90,000.00
96.	Cut-In Connection on Concrete Pressure Pipe (24-inch)	1	EA	\$ 25,000.00	\$ 25,000.00	\$ 56,400.00	\$ 56,400.00	\$ 50,000.00	\$ 50,000.00
97.	Cut, Cap and Abandon Existing Water Line (6-inch)	5	EA	\$ 500.00	\$ 2,500.00	\$ 1,030.00	\$ 5,150.00	\$ 5,000.00	\$ 25,000.00
98.	Cut, Cap and Abandon Existing Water Line (8-inch)	5	EA	\$ 900.00	\$ 4,500.00	\$ 1,030.00	\$ 5,150.00	\$ 5,500.00	\$ 27,500.00
99.	Cut, Cap and Abandon Existing Water Line (10-inch)	6	EA	\$ 1,400.00	\$ 8,400.00	\$ 1,300.00	\$ 7,800.00	\$ 7,500.00	\$ 45,000.00
100.	Cut, Cap and Abandon Existing Water Line (12-inch)	7	EA	\$ 2,000.00	\$ 14,000.00	\$ 1,350.00	\$ 9,450.00	\$ 7,500.00	\$ 52,500.00
101.	Cut, Cap and Abandon Existing Water Line (16-inch)	4	EA	\$ 3,500.00	\$ 14,000.00	\$ 2,275.00	\$ 9,100.00	\$ 7,500.00	\$ 30,000.00
102.	Cut, Cap and Abandon Existing Water Line (20-inch)	1	EA	\$ 5,000.00	\$ 5,000.00	\$ 2,500.00	\$ 2,500.00	\$ 12,000.00	\$ 12,000.00
103.	Cut, Cap and Abandon Existing Water Line (24-inch)	1	EA	\$ 8,000.00	\$ 8,000.00	\$ 2,680.00	\$ 2,680.00	\$ 16,000.00	\$ 16,000.00
104.	Cut, Cap and Abandon Concrete Pressure Pipe (24-inch)	1	EA	\$ 15,000.00	\$ 15,000.00	\$ 10,400.00	\$ 10,400.00	\$ 20,000.00	\$ 20,000.00
105.	Air Release Valve (4-inch) and Vault	7	EA	\$ 45,000.00	\$ 315,000.00	\$ 26,500.00	\$ 185,500.00	\$ 27,500.00	\$ 192,500.00
106.	Water Line Crossing Marker	26	EA	\$ 150.00	\$ 3,900.00	\$ 130.00	\$ 3,380.00	\$ 80.00	\$ 2,080.00
107.	Concrete Thrust Blocking	150	CY	\$ 150.00	\$ 22,500.00	\$ 380.00	\$ 57,000.00	\$ 400.00	\$ 60,000.00
108.	Salvage Air Release Valve and Demolish Vault	6	EA	\$ 2,000.00	\$ 12,000.00	\$ 1,900.00	\$ 11,400.00	\$ 2,500.00	\$ 15,000.00
109.	Salvage Butterfly Valve and Demolish Vault	2	EA	\$ 2,800.00	\$ 5,600.00	\$ 2,350.00	\$ 4,700.00	\$ 2,500.00	\$ 5,000.00
110.	Salvage Butterfly Valve and Box	1	EA	\$ 2,000.00	\$ 2,000.00	\$ 1,650.00	\$ 1,650.00	\$ 2,500.00	\$ 2,500.00
111.	Remove and Relocate Irrigation Backflow Preventor and Enclosure	2	EA	\$ 5,000.00	\$ 10,000.00	\$ 2,050.00	\$ 4,100.00	\$ 2,500.00	\$ 5,000.00
112.	Service Connection (1-Inch)	10	EA	\$ 1,600.00	\$ 16,000.00	\$ 850.00	\$ 8,500.00	\$ 1,500.00	\$ 15,000.00
113.	Service Connection (1.5-Inch)	2	EA	\$ 2,400.00	\$ 4,800.00	\$ 1,100.00	\$ 2,200.00	\$ 2,000.00	\$ 4,000.00
114.	Service Connection (2-Inch)	1	EA	\$ 3,200.00	\$ 3,200.00	\$ 1,600.00	\$ 1,600.00	\$ 2,500.00	\$ 2,500.00
115.	Service Line (1-Inch, PE Tubing, AWWA C901, SDR 9)	510	LF	\$ 32.00	\$ 16,320.00	\$ 12.00	\$ 6,120.00	\$ 40.00	\$ 20,400.00
116.	Service Line (1.5-Inch, PE Tubing, AWWA C901, SDR 9)	40	LF	\$ 38.00	\$ 1,520.00	\$ 26.00	\$ 1,040.00	\$ 45.00	\$ 1,800.00
117.	Service Line (2-Inch, PE Tubing, AWWA C901, SDR 9)	20	EA	\$ 45.00	\$ 900.00	\$ 33.00	\$ 660.00	\$ 50.00	\$ 1,000.00
118.	Water Meter Box (1-Inch)	10	EA	\$ 1,400.00	\$ 14,000.00	\$ 1,275.00	\$ 12,750.00	\$ 1,500.00	\$ 15,000.00
119.	Water Meter Box (1.5-Inch)	2	EA	\$ 1,600.00	\$ 3,200.00	\$ 2,030.00	\$ 4,060.00	\$ 5,000.00	\$ 10,000.00
120.	Water Meter Box (2-Inch)	1	EA	\$ 1,800.00	\$ 1,800.00	\$ 3,200.00	\$ 3,200.00	\$ 5,000.00	\$ 5,000.00
121.	Relocate Water Meter	13	EA	\$ 750.00	\$ 9,750.00	\$ 200.00	\$ 2,600.00	\$ 2,000.00	\$ 26,000.00
122.	Sewer Pipe (8-inch, PVC SDR 35)	2,580	LF	\$ 80.00	\$ 206,400.00	\$ 74.00	\$ 190,920.00	\$ 50.00	\$ 129,000.00
123.	Sewer Pipe (10-inch, PVC SDR 35)	1,640	LF	\$ 85.00	\$ 139,400.00	\$ 87.00	\$ 142,680.00	\$ 65.00	\$ 106,600.00



City of Fort Smith Water Utilities
Arkansas Highway 45 Utility Relocation
Tabulation of Bids
March 19, 2024, 10:00 a.m.
Project No. 19-12-C1



BID PROPOSAL INCLUDING "B" BID ITEMS		Quantity/ Unit		Engineer's Estimate		Forsgren, Inc.		KAJACS Contractors, Inc.	
Item No.	Description			Unit Cost	Bid	Unit Cost	Bid	Unit Cost	Bid
124.	Sewer Pipe (12-inch, PVC SDR 35)	160	LF	\$ 125.00	\$ 20,000.00	\$ 119.50	\$ 19,120.00	\$ 70.00	\$ 11,200.00
125.	Sewer Pipe (15-inch, PVC SDR 35)	1,060	LF	\$ 175.00	\$ 185,500.00	\$ 126.00	\$ 133,560.00	\$ 105.00	\$ 111,300.00
126.	Sewer Service Line (4-Inch, PVC Sch. 40) Open Cut	100	LF	\$ 55.00	\$ 5,500.00	\$ 35.00	\$ 3,500.00	\$ 40.00	\$ 4,000.00
127.	Sewer Service Line (6-inch, PVC Sch. 40) Open Cut	40	LF	\$ 80.00	\$ 3,200.00	\$ 50.00	\$ 2,000.00	\$ 50.00	\$ 2,000.00
128.	Sewer Service Wyes (8" x 4")	4	EA	\$ 300.00	\$ 1,200.00	\$ 275.00	\$ 1,100.00	\$ 600.00	\$ 2,400.00
129.	Sewer Service Clean-Outs (4-Inch)	7	EA	\$ 400.00	\$ 2,800.00	\$ 275.00	\$ 1,925.00	\$ 750.00	\$ 5,250.00
130.	Sewer Service Clean-Outs (6-Inch)	1	EA	\$ 500.00	\$ 500.00	\$ 585.00	\$ 585.00	\$ 1,500.00	\$ 1,500.00
131.	Removal and Disposal of AC Sewer Pipe	540	LF	\$ 75.00	\$ 40,500.00	\$ 50.00	\$ 27,000.00	\$ 25.00	\$ 13,500.00
132.	2" Pressure Pipe for Force Main, including fittings	670	LF	\$ 40.00	\$ 26,800.00	\$ 31.25	\$ 20,937.50	\$ 45.00	\$ 30,150.00
133.	Sewer Line Crossing Marker	18	EA	\$ 150.00	\$ 2,700.00	\$ 130.00	\$ 2,340.00	\$ 75.00	\$ 1,350.00
134.	Standard Depth Manhole (4-Foot Diameter, 6 Feet and Less)	37	EA	\$ 4,700.00	\$ 173,900.00	\$ 8,000.00	\$ 296,000.00	\$ 8,500.00	\$ 314,500.00
135.	Additional Depth for Manhole (4-Foot Diameter)	140	VF	\$ 400.00	\$ 56,000.00	\$ 285.00	\$ 39,900.00	\$ 850.00	\$ 119,000.00
136.	Manhole Drops (4 Feet and Less)	4	EA	\$ 2,000.00	\$ 8,000.00	\$ 3,000.00	\$ 12,000.00	\$ 4,000.00	\$ 16,000.00
137.	Additional Height for Manhole Drops	15	VF	\$ 400.00	\$ 6,000.00	\$ 505.00	\$ 7,575.00	\$ 400.00	\$ 6,000.00
138.	Force Main Fittings	800	LB	\$ 10.00	\$ 8,000.00	\$ 17.00	\$ 13,600.00	\$ 15.00	\$ 12,000.00
139.	Sewer Pressure Pipe (10-Inch, PVC AWWA C900)	680	LF	\$ 75.00	\$ 51,000.00	\$ 89.00	\$ 60,520.00	\$ 130.00	\$ 88,400.00
140.	Gate Valve With Box (10-inch)	1	EA	\$ 2,500.00	\$ 2,500.00	\$ 4,140.00	\$ 4,140.00	\$ 5,500.00	\$ 5,500.00
141.	Underground Combination Air Valve System (A.R.I D-025-SB)	2	EA	\$ 45,000.00	\$ 90,000.00	\$ 19,900.00	\$ 39,800.00	\$ 11,000.00	\$ 22,000.00
142.	Remove Existing Manhole	5	EA	\$ 2,000.00	\$ 10,000.00	\$ 1,400.00	\$ 7,000.00	\$ 1,500.00	\$ 7,500.00
143.	Abandon Existing Manhole	24	EA	\$ 1,800.00	\$ 43,200.00	\$ 1,500.00	\$ 36,000.00	\$ 2,500.00	\$ 60,000.00
144.	Cut and Plug Sewer Main	21	EA	\$ 1,000.00	\$ 21,000.00	\$ 1,300.00	\$ 27,300.00	\$ 2,500.00	\$ 52,500.00
145.	Connect to Existing Sewer Main or Manhole	3	EA	\$ 1,200.00	\$ 3,600.00	\$ 1,850.00	\$ 5,550.00	\$ 5,500.00	\$ 16,500.00
146.	Traffic Paint Pavement Marking (White 4")	160	LF	\$ 5.00	\$ 800.00	\$ 12.00	\$ 1,920.00	\$ 15.00	\$ 2,400.00
147.	6' tall Security Chain Link Fence	300	LF	\$ 40.00	\$ 12,000.00	\$ 50.00	\$ 15,000.00	\$ 65.00	\$ 19,500.00
148.	6' tall Security Chain Link Gate (7' to 12' wide)	3	EA	\$ 2,000.00	\$ 6,000.00	\$ 1,735.00	\$ 5,205.00	\$ 10,000.00	\$ 30,000.00
149.	Barbed Wire Fence	140	LF	\$ 40.00	\$ 5,600.00	\$ 16.25	\$ 2,275.00	\$ 30.00	\$ 4,200.00
150.	Up to 4' tall Woven Wire Fence	40	LF	\$ 25.00	\$ 1,000.00	\$ 28.00	\$ 1,120.00	\$ 35.00	\$ 1,400.00
151.	12' Wide Vehicular Gate	2	EA	\$ 3,000.00	\$ 6,000.00	\$ 1,375.00	\$ 2,750.00	\$ 2,000.00	\$ 4,000.00
152.	Steel Pipe Brace Assembly	4	EA	\$ 1,000.00	\$ 4,000.00	\$ 480.00	\$ 1,920.00	\$ 750.00	\$ 3,000.00
153.	Construction Within Railroad Rights-of-Way	1	LS	\$ 293,000.00	\$ 293,000.00	\$ 350,000.00	\$ 350,000.00	\$ 276,260.00	\$ 276,260.00
Schedule I - Total Base Bid Including "B" Bid Items				\$	12,776,127.00	\$	15,783,939.50	\$	16,819,500.00
								Corrected Total	\$ 16,809,500.00



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	Engineer's Estimate	Forsgren, Inc.	KAJACS Contractors, Inc.
Schedule I - Total Base Bid Including "A" Bid Items	\$ 12,544,327.00	\$ 15,324,959.50	\$ 16,290,000.00
Schedule I - Total Base Bid Including "B" Bid Items	\$ 12,776,127.00	\$ 15,783,939.50	\$ 16,809,500.00

I hereby certify that this tabulation is a true and accurate representation of all bids received.

Barry K. McCormick

Barry K. McCormick, P.E.
 Hawkins-Weir Engineers, Inc.
 Arkansas P.E. No. 7243

