Client: City of Joplin
Project: Zora Street Improvements - Phase 2
Project Number: 017-0642-R
Date: 5/15/2025

ITEM NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY	ENGINEERS ESTIMATE		EMERY SAPP & SONS, INC.		ASBELL		D&E PLUMBING		ELEMENTS CONST. CONCEPTS	
				UNIT COST $	COST $	UNIT COST $	COST $	UNIT COST $	COST $	UNIT COST $	COST $	UNIT COST $	COST $
1	Mobilization	LS	1	$300,000.00	$300,000.00	$102,825.00	$102,825.00	$252,130.85	$252,130.85	$400,000.00	$400,000.00	$350,000.00	$350,000.00
2	Contractor Furnished Construction Staking and Surveying	LS	1	$50,000.00	$50,000.00	$39,000.00	$39,000.00	$4,990.08	$4,990.08	$50,000.00	$50,000.00	$25,000.00	$25,000.00
3	Miscellaneous Demolition & Removal	LS	1	$75,000.00	$75,000.00	$35,604.57	$35,604.57	$29,800.79	$29,800.79	$50,000.00	$50,000.00	$79,000.00	$79,000.00
4	Clearing & Grubbing / Tree & Brush Removal	LS	1	$55,000.00	$55,000.00	$33,499.54	$33,499.54	$65,442.75	$65,442.75	$160,000.00	$160,000.00	$27,000.00	$27,000.00
5	Existing Road Pavement Removal (Full Depth)	SY	15043	$12.00	$180,516.00	$3.97	$59,720.71	$2.79	$41,969.97	$3.00	$45,129.00	$5.00	$75,215.00
6	Existing Storm Removal	LF	312	$500.00	$156,000.00	$28.08	$8,760.96	$57.52	$17,946.24	$20.00	$6,240.00	$50.00	$15,600.00
7	Unclassified Excavation	CY	12831	$20.00	$256,620.00	$9.85	$126,385.35	$26.95	$345,795.45	$15.00	$192,465.00	$20.00	$256,620.00
8	Embankment	CY	6297	$23.00	$144,831.00	$6.50	$40,930.50	$5.46	$34,381.62	$5.00	$31,485.00	$15.00	$94,455.00
9	Embankment (Contractor Furnished)	CY	252	$24.00	$6,048.00	$19.55	$4,926.60	$22.96	$5,785.92	$40.00	$10,080.00	$30.00	$7,560.00
10	Backfill of Unsuitable Material*	CY	2962	$23.00	$68,126.00	$26.20	$77,604.40	$19.83	$58,736.46	$40.00	$118,480.00	$30.00	$88,860.00
11	Removal of Unsuitable Material*	CY	2962	$15.00	$44,430.00	$11.24	$33,292.88	$13.33	$39,483.46	$15.00	$44,430.00	$20.00	$59,240.00
12	Driveway Approach Concrete (8" Concrete) (Incl. 4" MoDOT Type 5 Aggr. Base)	SY	410	$75.00	$30,750.00	$95.14	$39,007.40	$185.27	$75,960.70	$100.00	$41,000.00	$150.00	$61,500.00
13	Driveway Asphalt Surface (6" MoDOT Bituminous Base)	SY	355	$75.00	$26,625.00	$40.00	$14,200.00	$35.35	$12,549.25	$30.60	$10,863.00	$50.00	$17,750.00
14	Driveway Gravel Surface (6" MoDOT Type 1 Aggr. Base)	SY	142	$22.00	$3,124.00	$43.09	$6,118.78	$15.32	$2,175.44	$20.00	$2,840.00	$15.00	$2,130.00
15	Asphalt Tack Coat	GAL	5814	$6.00	$34,884.00	$2.75	$15,988.50	$2.89	$16,802.46	$2.50	$14,535.00	$3.00	$17,442.00
16	Aggregate Base (8" MoDOT Type 5)	SY	33677	$12.00	$404,124.00	$9.50	$319,931.50	$9.26	$311,849.02	$13.00	$437,801.00	$15.00	$505,155.00
17	Asphaltic Concrete Surface (2") (MoDOT BP-1)	TONS	2725	$150.00	$408,750.00	$82.75	$225,493.75	$82.30	$224,267.50	$71.25	$194,156.25	$75.00	$204,375.00
18	Asphaltic Concrete Base (8")	TONS	10955	$135.00	$1,478,925.00	$75.75	$829,841.25	$76.35	$836,414.25	$66.10	$724,125.50	$70.00	$766,850.00
19	Temporary Surfacing Material (HMA MoDOT BP-1)	TONS	52	$90.00	$4,680.00	$122.75	$6,383.00	$117.24	$6,096.48	$101.50	$5,278.00	$200.00	$10,400.00
20	Temporary Surfacing Material (Aggregate)(MoDOT Type 1)	TONS	158	$35.00	$5,530.00	$30.82	$4,869.56	$24.86	$3,927.88	$30.00	$4,740.00	$50.00	$7,900.00
21	Rock Blanket	SY	133	$60.00	$7,980.00	$29.75	$3,956.75	$145.21	$19,312.93	$80.00	$10,640.00	$100.00	$13,300.00
22	MoDOT Paved Ditch	SY	40	$100.00	$4,000.00	$122.84	$4,913.60	$230.54	$9,221.60	$100.00	$4,000.00	$200.00	$8,000.00
23	Joplin Standard Upright Curb & Gutter	LF	2088	$50.00	$104,400.00	$21.42	$44,724.96	$0.71	$1,482.48	$36.00	$75,168.00	$40.00	$83,520.00
24	15" Class III RCP (including trenching, bedding, backfill, gaskets, and concrete collars)	LF	245	$110.00	$26,950.00	$72.58	$17,782.10	$62.66	$15,351.70	$50.00	$12,250.00	$75.00	$18,375.00
25	18" Class III RCP (including trenching, bedding, backfill, gaskets, and concrete collars)	LF	76	$120.00	$9,120.00	$82.62	$6,279.12	$99.52	$7,563.52	$55.00	$4,180.00	$80.00	$6,080.00
26	18" Class V RCP (including trenching, bedding, backfill, gaskets, and concrete collars)	LF	20	$125.00	$2,500.00	$92.07	$1,841.40	$102.09	$2,041.80	$80.00	$1,600.00	$120.00	$2,400.00
27	24" Class III RCP (including trenching, bedding, backfill, gaskets, and concrete collars)	LF	343	$130.00	$44,590.00	$94.69	$32,478.67	$70.78	$24,277.54	$80.00	$27,440.00	$125.00	$42,875.00
28	30" Class III RCP (including trenching, bedding, backfill, gaskets, and concrete collars)	LF	142	$140.00	$19,880.00	$140.38	$19,933.96	$132.26	$18,780.92	$100.00	$14,200.00	$150.00	$21,300.00
29	30" Class V RCP (including trenching, bedding, backfill, gaskets, and concrete collars)	LF	20	$180.00	$3,600.00	$181.35	$3,627.00	$241.85	$4,837.00	$150.00	$3,000.00	$200.00	$4,000.00
30	36" Class III RCP (including trenching, bedding, backfill, gaskets, and concrete collars)	LF	82	$230.00	$18,860.00	$152.59	$12,512.38	$156.29	$12,815.78	$150.00	$12,300.00	$200.00	$16,400.00
31	60"X36" Class III RCBC (including trenching, bedding, backfill, gaskets, and concrete collars)	LF	132	$750.00	$99,000.00	$833.23	$109,986.36	$749.14	$98,886.48	$900.00	$118,800.00	$1,100.00	$145,200.00
32	34"X22" Class III HERCP (including trenching, bedding, backfill, gaskets, and concrete collars)	LF	64	$275.00	$17,600.00	$144.72	$9,262.08	$145.49	$9,311.36	$150.00	$9,600.00	$200.00	$12,800.00
33	38"X24" Class III HERCP (including trenching, bedding, backfill, gaskets, and concrete collars)	LF	59	$300.00	$17,700.00	$145.58	$8,589.22	$171.72	$10,131.48	$150.00	$8,850.00	$200.00	$11,800.00
34	15" RCP FES (including trenching, bedding, backfill, gaskets, and concrete collars)	EA	9	$800.00	$7,200.00	$1,428.00	$12,852.00	$975.74	$8,781.66	$900.00	$8,100.00	$800.00	$7,200.00
35	18" RCP FES (including trenching, bedding, backfill, gaskets, and concrete collars)	EA	2	$1,000.00	$2,000.00	$1,340.07	$2,680.14	$1,085.29	$2,170.58	$1,000.00	$2,000.00	$1,000.00	$2,000.00
36	30" RCP FES (including trenching, bedding, backfill, gaskets, and concrete collars)	EA	2	$1,500.00	$3,000.00	$2,191.75	$4,383.50	$1,893.01	$3,786.02	$1,500.00	$3,000.00	$2,000.00	$4,000.00
37	36" RCP FES (including trenching, bedding, backfill, gaskets, and concrete collars)	EA	2	$2,500.00	$5,000.00	$2,603.39	$5,206.78	$2,386.82	$4,773.64	$2,000.00	$4,000.00	$3,000.00	$6,000.00
38	Cast-in-Place Headwalls and Wingwalls (including trenching, bedding, backfill, gaskets, and concrete collars)	EA	4	$50,000.00	$200,000.00	$11,376.60	$45,506.40	$21,847.95	$87,391.80	$16,000.00	$64,000.00	$5,000.00	$20,000.00

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39	Area Inlet 3'x3' I.D.	EA	2	$8,000.00	$16,000.00	$7,502.24	$15,004.48	$7,065.85	$14,131.70	$10,000.00	$20,000.00	$10,000.00	$20,000.00
40	Area Inlet 4'x4' I.D.	EA	1	$10,000.00	$10,000.00	$8,199.31	$8,199.31	$7,882.28	$7,882.28	$11,000.00	$11,000.00	$10,000.00	$10,000.00
41	Area Inlet 4.5'x4.5' I.D.	EA	2	$12,000.00	$24,000.00	$13,476.31	$26,952.62	$13,725.26	$27,450.52	$16,000.00	$32,000.00	$12,000.00	$24,000.00
42	Area Inlet 10.5'x7' I.D.	EA	1	$15,000.00	$15,000.00	$20,621.13	$20,621.13	$20,047.76	$20,047.76	$22,000.00	$22,000.00	$24,000.00	$24,000.00
43	Type C Curb Inlet 5'x3' I.D.	EA	7	$8,000.00	$56,000.00	$5,720.68	$40,044.76	$4,771.02	$33,397.14	$5,000.00	$35,000.00	$7,000.00	$49,000.00
44	Combination Grated Inlet 7'x 4' I.D.	EA	2	$10,000.00	$20,000.00	$7,412.98	$14,825.96	$7,450.91	$14,901.82	$10,500.00	$21,000.00	$12,000.00	$24,000.00
45	Junction Box 10.5'x3.5' I.D.	EA	1	$15,000.00	$15,000.00	$8,887.34	$8,887.34	$8,354.74	$8,354.74	$10,000.00	$10,000.00	$10,000.00	$10,000.00
46	Seeding, Fertilizing and Mulch	SY	7873	$2.00	$15,746.00	$0.88	$6,928.24	$1.48	$11,652.04	$1.00	$7,873.00	$2.00	$15,746.00
47	Special Seeding	SY	10461	$4.00	$41,844.00	$0.88	$9,205.68	$1.24	$12,971.64	$1.00	$10,461.00	$2.00	$20,922.00
48	Erosion Control Culvert Inlet Protection	LF	700	$9.00	$6,300.00	$13.77	$9,639.00	$3.82	$2,674.00	$20.00	$14,000.00	$20.00	$14,000.00
49	Erosion Control Curb Inlet Protection	EA	14	$150.00	$2,100.00	$211.51	$2,961.14	$196.37	$2,749.18	$150.00	$2,100.00	$150.00	$2,100.00
50	Erosion Control Biodegradable Ditch Check	LF	1983	$9.00	$17,847.00	$13.77	$27,305.91	$3.36	$6,662.88	$10.00	$19,830.00	$10.00	$19,830.00
51	Erosion Control Silt Sock	LF	2904	$3.50	$10,164.00	$3.52	$10,222.08	$3.23	$9,379.92	$5.00	$14,520.00	$7.00	$20,328.00
52	Removal & Resetting Existing Signs	LS	1	$1,000.00	$1,000.00	$881.26	$881.26	$2,119.63	$2,119.63	$2,000.00	$2,000.00	$2,500.00	$2,500.00
53	Permanent Signage W2-6	SF	6	$8.50	$51.00	$98.70	$592.20	$127.06	$762.36	$70.00	$420.00	$150.00	$900.00
54	Permanent Signage W13-1P	SF	14	$8.50	$119.00	$42.30	$592.20	$304.95	$4,269.30	$120.00	$1,680.00	$300.00	$4,200.00
55	Permanent Signage R1-1	SF	5	$8.50	$42.50	$117.51	$587.55	$142.08	$710.40	$100.00	$500.00	$150.00	$750.00
56	Permanent Signage D3-1	SF	12	$8.50	$102.00	$98.70	$1,184.40	$53.14	$637.68	$70.00	$840.00	$50.00	$600.00
57	Construction Signs	SF	588	$8.50	$4,998.00	$8.22	$4,833.36	$9.10	$5,350.80	$8.00	$4,704.00	$15.00	$8,820.00
58	Traffic Control Signage Changeable Message Board	EA	8	$7,250.00	$58,000.00	$6,462.58	$51,700.64	$6,930.67	$55,445.36	$2,500.00	$20,000.00	$10,000.00	$80,000.00
59	Traffic Control Signage Type III Barricade	EA	12	$2,500.00	$30,000.00	$176.26	$2,115.12	$417.47	$5,009.64	$130.00	$1,560.00	$500.00	$6,000.00
60	Channelizer (Trim Line)	EA	125	$25.00	$3,125.00	$29.38	$3,672.50	$58.79	$7,348.75	$10.00	$1,250.00	$40.00	$5,000.00
61	Pavement Marking Removal	LF	1158	$5.00	$5,790.00	$1.17	$1,354.86	$1.16	$1,343.28	$1.40	$1,621.20	$2.00	$2,316.00
62	4" Solid Yellow Thermoplastic Lane Line	LF	12462	$1.50	$18,693.00	$0.88	$10,966.56	$0.94	$11,714.28	$1.00	$12,462.00	$1.00	$12,462.00
63	4" Broken Yellow Thermoplastic Lane Line	LF	500	$1.50	$750.00	$0.88	$440.00	$1.35	$675.00	$1.00	$500.00	$2.00	$1,000.00
64	4" Solid White Thermoplastic Edge Line	LF	7554	$1.50	$11,331.00	$0.88	$6,647.52	$0.99	$7,478.46	$1.00	$7,554.00	$2.00	$15,108.00
65	12' Solid Yellow Preformed Diagonal Cross Hatch Marking	LF	106	$5.00	$530.00	$14.68	$1,556.08	$14.44	$1,530.64	$13.00	$1,378.00	$20.00	$2,120.00
66	Solid White Preformed Left Turn Arrow	EA	10	$175.00	$1,750.00	$411.25	$4,112.50	$404.29	$4,042.90	$300.00	$3,000.00	$500.00	$5,000.00
67	24" Solid White Preformed Stop Bar	LF	19	$12.00	$228.00	$29.38	$558.22	$28.88	$548.72	$34.00	$646.00	$100.00	$1,900.00
68	Barb Wire Fence (4 Strand with Steel T-Posts)	LF	4474	$7.00	$31,318.00	$11.39	$50,958.86	$11.20	$50,108.80	$9.00	$40,266.00	$15.00	$67,110.00
69	Temporary Barb Wire Fence (Cattle Rated)	LF	4474	$5.00	$22,370.00	$10.04	$44,918.96	$11.90	$53,240.60	$8.00	$35,792.00	$10.00	$44,740.00
70	48"x24" Class III RCBC (including trenching, bedding, backfill, gaskets, and concrete collars)	LF	136	$500.00	$68,000.00	$598.18	$81,352.48	$541.20	$73,603.20	$600.00	$81,600.00	$590.00	$80,240.00
	TOTAL CONSTRUCTION COST				**$4,835,541.50**		**$2,840,723.59**		**$3,185,620.28**		**$3,364,332.95**		**$3,691,994.00**