

CITY OF ANKENY: NE 54th STREET														
BRIDGE AND APPROACHES														
CBA No. 2017183 Letting date: JANUARY 16, 2019														
BRM-SWAP-0187(642)--SD-77														
Roadway Items					CB&A COST OPINION		HERBERGER CONSTRUCTION CO., INC.		HENTGES, S.M. & SONS, INC.		JENSEN CONSTRUCTION CO.		JENCO CONSTRUCTION, INC.	
	Code No.	Description	Quantity	Unit	Unit Price	Extended Price	Unit Price	Extended Price	Unit Price	Extended Price	Unit Price	Extended Price	Unit Price	Extended Price
1	2102-2710070	EXCAVATION, CLASS 10, ROADWAY AND BORROW	3,765	CY	\$15.00	\$56,475.00	\$19.50	\$73,417.50	\$12.50	\$47,062.50	\$20.00	\$75,300.00	\$26.30	\$99,019.50
2	2105-8425015	TOPSOIL, STRIP, SALVAGE AND SPREAD	885	CY	\$12.00	\$10,620.00	\$14.25	\$12,611.25	\$13.50	\$11,947.50	\$12.50	\$11,062.50	\$14.70	\$13,009.50
3	2107-0875000	COMPACTION WITH MOISTURE AND DENSITY CONTROL	348.6	CY	\$15.00	\$5,229.00	\$1.65	\$575.19	\$3.00	\$1,045.80	\$1.00	\$348.60	\$3.00	\$1,045.80
4	2115-0100000	MODIFIED SUBBASE	348.6	CY	\$33.00	\$11,503.80	\$60.00	\$20,916.00	\$43.00	\$14,989.80	\$50.00	\$17,430.00	\$71.20	\$24,820.32
5	2123-7450020	SHOULDER FINISHING, EARTH	10.1	STA	\$250.00	\$2,525.00	\$700.00	\$7,070.00	\$380.00	\$3,838.00	\$850.00	\$8,585.00	\$450.00	\$4,545.00
6	2301-1033090	STANDARD OR SLIP FORM PORTLAND CEMENT CONCRETE PAVEMENT, CLA SS C, CLASS 3 DURABILITY, 9 IN.	1,741.1	SY	\$60.00	\$104,466.00	\$68.00	\$118,394.80	\$68.00	\$118,394.80	\$67.00	\$116,653.70	\$69.00	\$120,135.90
7	2401-6745910	REMOVAL OF SIGN	2	EACH	\$200.00	\$400.00	\$450.00	\$900.00	\$102.00	\$204.00	\$100.00	\$200.00	\$110.00	\$220.00
8	2416-0100018	APRONS, CONCRETE, 18 IN. DIA.	1	EACH	\$2,250.00	\$2,250.00	\$2,300.00	\$2,300.00	\$2,700.00	\$2,700.00	\$2,000.00	\$2,000.00	\$1,650.00	\$1,650.00
9	2416-0100042	APRONS, CONCRETE, 42 IN. DIA.	1	EACH	\$4,500.00	\$4,500.00	\$5,500.00	\$5,500.00	\$5,305.00	\$5,305.00	\$4,200.00	\$4,200.00	\$4,000.00	\$4,000.00
10	2435-0140148	MANHOLE, STORM SEWER, SW-401, 48 IN.	1	EACH	\$4,000.00	\$4,000.00	\$5,000.00	\$5,000.00	\$3,065.00	\$3,065.00	\$4,000.00	\$4,000.00	\$2,500.00	\$2,500.00
11	2435-0140200	MANHOLE, STORM SEWER, SW-402	1	EACH	\$7,500.00	\$7,500.00	\$5,850.00	\$5,850.00	\$5,365.00	\$5,365.00	\$8,000.00	\$8,000.00	\$3,500.00	\$3,500.00
12	2435-0140600	MANHOLE, STORM SEWER, SW-406	3	EACH	\$6,000.00	\$18,000.00	\$4,625.00	\$13,875.00	\$5,845.00	\$17,535.00	\$7,800.00	\$23,400.00	\$4,200.00	\$12,600.00
13	2435-0250300	INTAKE, SW-503	4	EACH	\$4,000.00	\$16,000.00	\$5,025.00	\$20,100.00	\$4,830.00	\$19,320.00	\$5,200.00	\$20,800.00	\$4,500.00	\$18,000.00
14	2435-0250500	INTAKE, SW-505	2	EACH	\$5,500.00	\$11,000.00	\$4,200.00	\$8,400.00	\$4,855.00	\$9,710.00	\$4,700.00	\$9,400.00	\$4,400.00	\$8,800.00
15	2435-0251110	INTAKE, SW-511 MODIFIED	1	EACH	\$4,000.00	\$4,000.00	\$2,800.00	\$2,800.00	\$3,040.00	\$3,040.00	\$3,200.00	\$3,200.00	\$3,300.00	\$3,300.00
16	2435-0251300	INTAKE, SW-513	2	EACH	\$6,250.00	\$12,500.00	\$4,900.00	\$9,800.00	\$4,375.00	\$8,750.00	\$6,200.00	\$12,400.00	\$5,000.00	\$10,000.00
17	2502-8212208	SUBDRAIN, PERFORATED PLASTIC PIPE, 8 IN. DIA.	1,035	LF	\$18.00	\$18,630.00	\$32.00	\$33,120.00	\$24.00	\$24,840.00	\$21.00	\$21,735.00	\$16.00	\$16,560.00
18	2502-8221303	SUBDRAIN OUTLET, DR-303	10	EACH	\$250.00	\$2,500.00	\$160.00	\$1,600.00	\$300.00	\$3,000.00	\$250.00	\$2,500.00	\$300.00	\$3,000.00
19	2503-0114215	STORM SEWER GRAVITY MAIN, TRENCHED, REINFORCED CONCRETE PIPE (RCP), 2000D (CLASS III), 15 IN.	56	LF	\$70.00	\$3,920.00	\$85.00	\$4,760.00	\$50.00	\$2,800.00	\$75.00	\$4,200.00	\$44.00	\$2,464.00
20	2503-0114218	STORM SEWER GRAVITY MAIN, TRENCHED, REINFORCED CONCRETE PIPE (RCP), 2000D (CLASS III), 18 IN.	231.3	LF	\$85.00	\$19,660.50	\$90.00	\$20,817.00	\$52.00	\$12,027.60	\$69.00	\$15,959.70	\$45.00	\$10,408.50
21	2503-0114230	STORM SEWER GRAVITY MAIN, TRENCHED, REINFORCED CONCRETE PIPE (RCP), 2000D (CLASS III), 30 IN.	36.5	LF	\$125.00	\$4,562.50	\$120.00	\$4,380.00	\$77.00	\$2,810.50	\$110.00	\$4,015.00	\$80.00	\$2,920.00
22	2503-0114236	STORM SEWER GRAVITY MAIN, TRENCHED, REINFORCED CONCRETE PIPE (RCP), 2000D (CLASS III), 36 IN.	241.5	LF	\$150.00	\$36,225.00	\$140.00	\$33,810.00	\$109.00	\$26,323.50	\$115.00	\$27,772.50	\$100.00	\$24,150.00
23	2503-0114242	STORM SEWER GRAVITY MAIN, TRENCHED, REINFORCED CONCRETE PIPE (RCP), 2000D (CLASS III), 42 IN.	124.8	LF	\$175.00	\$21,840.00	\$215.00	\$26,832.00	\$151.00	\$18,844.80	\$145.00	\$18,096.00	\$120.00	\$14,976.00
24	2503-0200036	REMOVE STORM SEWER PIPE LESS THAN OR EQUAL TO 36 IN.	24	LF	\$100.00	\$2,400.00	\$33.00	\$792.00	\$20.00	\$480.00	\$25.00	\$600.00	\$22.00	\$528.00
25	2510-6745850	REMOVAL OF PAVEMENT	1,654	SY	\$20.00	\$33,080.00	\$8.00	\$13,232.00	\$5.50	\$9,097.00	\$12.00	\$19,848.00	\$18.20	\$30,102.80
26	2511-6745900	REMOVAL OF SIDEWALK	94.7	SY	\$10.00	\$947.00	\$13.00	\$1,231.10	\$5.00	\$473.50	\$12.00	\$1,136.40	\$12.00	\$1,136.40
27	2511-7526004	SIDEWALK, P.C. CONCRETE, 4 IN.	289.8	SY	\$55.00	\$15,939.00	\$47.00	\$13,620.60	\$57.00	\$16,518.60	\$50.00	\$14,490.00	\$77.00	\$22,314.60
28	2511-7526005	SIDEWALK, P.C. CONCRETE, 5 IN.	240	SY	\$60.00	\$14,400.00	\$57.00	\$13,680.00	\$60.00	\$14,400.00	\$55.00	\$13,200.00	\$69.00	\$16,560.00
29	2518-6910000	SAFETY CLOSURE	4	EACH	\$250.00	\$1,000.00	\$200.00	\$800.00	\$102.00	\$408.00	\$100.00	\$400.00	\$110.00	\$440.00
30	2527-9263117	PAINTED PAVEMENT MARKINGS, DURABLE	5.89	STA	\$500.00	\$2,945.00	\$450.00	\$2,650.50	\$168.00	\$989.52	\$165.00	\$971.85	\$182.00	\$1,071.98
31	2527-9270111	GROOVES CUT FOR PAVEMENT MARKINGS	5.89	STA	\$50.00	\$294.50	\$325.00	\$1,914.25	\$122.00	\$718.58	\$120.00	\$706.80	\$132.00	\$777.48
32	2528-8445110	TRAFFIC CONTROL	1	LS	\$8,500.00	\$8,500.00	\$6,500.00	\$6,500.00	\$7,956.00	\$7,956.00	\$13,000.00	\$13,000.00	\$8,580.00	\$8,580.00
33	2533-4980005	MOBILIZATION	1	LS	\$100,000.00	\$100,000.00	\$60,000.00	\$60,000.00	\$69,550.00	\$69,550.00	\$140,000.00	\$140,000.00	\$209,500.00	\$209,500.00
34	2554-0114012	WATER MAIN, TRENCHED, POLYVINYL CHLORIDE PIPE (PVC), 12 IN.	90	LF	\$80.00	\$7,200.00	\$88.00	\$7,920.00	\$50.00	\$4,500.00	\$85.00	\$7,650.00	\$82.00	\$7,380.00
35	2554-0124012	WATER MAIN, TRENCHLESS, POLYVINYL CHLORIDE PIPE (PVC), 12 IN .	271	LF	\$160.00	\$43,360.00	\$185.00	\$50,135.00	\$123.00	\$33,333.00	\$155.00	\$42,005.00	\$125.00	\$33,875.00
36	2554-0202200	FITTINGS BY COUNT, DUCTILE IRON,	4	EACH	\$1,100.00	\$4,400.00	\$1,000.00	\$4,000.00	\$800.00	\$3,200.00	\$1,000.00	\$4,000.00	\$900.00	\$3,600.00
37	2554-0207012	VALVE, GATE, DIP, 12 IN.	2	EACH	\$2,500.00	\$5,000.00	\$2,500.00	\$5,000.00	\$2,675.00	\$5,350.00	\$2,300.00	\$4,600.00	\$2,600.00	\$5,200.00
38	2599-9999005	CONNECTION TO EXISTING WATER MAIN	2	EACH	\$3,000.00	\$6,000.00	\$3,000.00	\$6,000.00	\$1,175.00	\$2,350.00	\$1,500.00	\$3,000.00	\$1,800.00	\$3,600.00
39	2599-9999005	FLUSHING DEVICE (BLOWOFF)	1	EACH	\$4,500.00	\$4,500.00	\$3,150.00	\$3,150.00	\$4,410.00	\$4,410.00	\$4,000.00	\$4,000.00	\$4,500.00	\$4,500.00
40	2599-9999005	SUBDRAIN CLEANOUT, TYPE A-2	4	EACH	\$750.00	\$3,000.00	\$875.00	\$3,500.00	\$775.00	\$3,100.00	\$500.00	\$2,000.00	\$750.00	\$3,000.00
41	2599-9999009	REMOVE WATER MAIN LESS THAN OR EQUAL TO 12 IN.	280	LF	\$12.00	\$3,360.00	\$22.00	\$6,160.00	\$12.00	\$3,360.00	\$25.00	\$7,000.00	\$10.00	\$2,800.00
42	2599-9999009	TELEVISIONING, SANITARY SEWER	250	LF	\$3.50	\$875.00	\$5.00	\$1,250.00	\$1.85	\$462.50	\$8.00	\$2,000.00	\$4.00	\$1,000.00
43	2599-9999009	TELEVISIONING, STORM SEWER	690.1	LF	\$2.00	\$1,380.20	\$5.00	\$3,450.50	\$1.85	\$1,276.69	\$4.00	\$2,760.40	\$4.00	\$2,760.40
44	2601-2634100	MULCHING	0.7	ACRE	\$1,500.00	\$1,050.00	\$1,700.00	\$1,190.00	\$1,735.00	\$1,214.50	\$1,700.00	\$1,190.00	\$1,870.00	\$1,309.00
45	2601-2636015	NATIVE GRASS SEEDING	0.4	ACRE	\$2,000.00	\$800.00	\$1,800.00	\$720.00	\$1,836.00	\$734.40	\$1,800.00	\$720.00	\$1,980.00	\$792.00
46	2601-2636044	SEEDING AND FERTILIZING (URBAN)	0.7	ACRE	\$3,000.00	\$2,100.00	\$1,300.00	\$910.00	\$1,326.00	\$928.20	\$1,300.00	\$910.00	\$1,430.00	\$1,001.00
47	2601-2642100	STABILIZING CROP - SEEDING AND FERTILIZING	1.1	ACRE	\$2,000.00	\$2,200.00	\$700.00	\$770.00	\$714.00	\$785.40	\$700.00	\$770.00	\$770.00	\$847.00
48	2602-0000150	STABILIZED CONSTRUCTION ENTRANCE	100	LF	\$30.00	\$3,000.00	\$45.00	\$4,500.00	\$29.00	\$2,900.00	\$50.00	\$5,000.00	\$62.00	\$6,200.00
49	2602-0000309	PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE, 9 IN. DIA.	1,890	LF	\$4.00	\$7,560.00	\$3.00	\$5,670.00	\$1.55	\$2,929.50	\$1.50	\$2,835.00	\$1.52	\$2,872.80
50	2602-0000350	REMOVAL OF PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE	1,890	LF	\$1.00	\$1,890.00	\$0.30	\$567.00	\$0.35	\$661.50	\$0.30	\$567.00	\$0.33	\$623.70
51	2602-0010010	MOBILIZATIONS, EROSION CONTROL	1	EACH	\$500.00	\$500.00	\$500.00	\$500.00	\$500.00	\$500.00	\$500.00	\$500.00	\$500.00	\$500.00
52	2602-0010020	MOBILIZATIONS, EMERGENCY EROSION CONTROL	1	EACH	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00
	Bridge Length (Sta.)	544.17	Subtotal Roadway Items			\$656,987.50		\$653,641.69		\$556,505.69		\$708,118.45		\$775,496.68
			Bridge Cost Per Sta.			\$1,207.32		\$1,201.17		\$1,022.67		\$1,301.28		\$1,425.10

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BRIDGE AND APPROACHES														
CBA No. 2017183 Letting date: JANUARY 16, 2019														
BRM-SWAP-0187(642)--SD-77														
Bridge Items					CB&A COST OPINION		HERBERGER CONSTRUCTION CO., INC.		HENTGES, S.M. & SONS, INC.		JENSEN CONSTRUCTION CO.		JENCO CONSTRUCTION, INC.	
		Description	Quantity	Unit	Unit Price	Extended Price	Unit Price	Extended Price	Unit Price	Extended Price	Unit Price	Extended Price	Unit Price	Extended Price
1	2104-2710020	EXCAVATION, CLASS 10, CHANNEL	840	CY	\$20.00	\$16,800.00	\$14.50	\$12,180.00	\$11.00	\$9,240.00	\$15.00	\$12,600.00	\$9.80	\$8,232.00
2	2301-0685550	BRIDGE APPROACH PAVEMENT, AS PER PLAN	151.0	SY	\$170.00	\$25,670.00	\$195.00	\$29,445.00	\$185.00	\$27,935.00	\$251.00	\$37,901.00	\$357.50	\$53,982.50
3	2401-6745625	REMOVAL OF EXISTING BRIDGE	1	LS	\$25,000.00	\$25,000.00	\$18,750.00	\$18,750.00	\$80,000.00	\$80,000.00	\$73,000.00	\$73,000.00	\$180,000.00	\$180,000.00
4	2402-2720000	EXCAVATION, CLASS 20	164	CY	\$45.00	\$7,380.00	\$50.00	\$8,200.00	\$7.50	\$1,230.00	\$30.00	\$4,920.00	\$20.00	\$3,280.00
5	2403-0100010	STRUCTURAL CONCRETE (BRIDGE)	39.6	CY	\$750.00	\$29,700.00	\$900.00	\$35,640.00	\$1,253.00	\$49,618.80	\$1,750.00	\$69,300.00	\$400.00	\$15,840.00
6	2403-7000210	HIGH PERFORMANCE STRUCTURAL CONCRETE	239.2	CY	\$800.00	\$191,360.00	\$750.00	\$179,400.00	\$830.00	\$198,536.00	\$750.00	\$179,400.00	\$450.00	\$107,640.00
7	2404-7775005	REINFORCING STEEL, EPOXY COATED	62,706	LB	\$1.10	\$68,976.60	\$1.00	\$62,706.00	\$1.25	\$78,382.50	\$1.25	\$78,382.50	\$2.00	\$125,412.00
8	2404-7775009	REINFORCING STEEL, STAINLESS STEEL	94	LB	\$10.00	\$940.00	\$6.00	\$564.00	\$5.00	\$470.00	\$7.00	\$658.00	\$10.00	\$940.00
9	2414-6424110	CONCRETE BARRIER RAILING	177.7	LF	\$75.00	\$13,327.50	\$67.00	\$11,905.90	\$134.00	\$23,811.80	\$67.00	\$11,905.90	\$60.00	\$10,662.00
10	2414-6444100	STEEL PIPE PEDESTRIAN HAND RAILING	149.0	LF	\$90.00	\$13,410.00	\$150.00	\$22,350.00	\$120.00	\$17,880.00	\$120.00	\$17,880.00	\$128.00	\$19,072.00
11	2501-0201042	PILES, STEEL, HP 10 X 42	1,630	LF	\$45.00	\$73,350.00	\$42.00	\$68,460.00	\$37.00	\$60,310.00	\$45.00	\$73,350.00	\$45.00	\$73,350.00
12	2501-5478042	CONCRETE ENCASEMENT OF STEEL H PILES, HP 10 X 42 (P10L TYPE 3)	216	LF	\$125.00	\$27,000.00	\$100.00	\$21,600.00	\$190.00	\$41,040.00	\$145.00	\$31,320.00	\$80.00	\$17,280.00
13	2507-2638650	BRIDGE WING ARMORING - EROSION STONE	55	SY	\$65.00	\$3,575.00	\$85.00	\$4,675.00	\$82.50	\$4,537.50	\$85.00	\$4,675.00	\$80.00	\$4,400.00
14	2507-3250005	ENGINEERING FABRIC	1,010	SY	\$3.00	\$3,030.00	\$3.50	\$3,535.00	\$3.00	\$3,030.00	\$4.00	\$4,040.00	\$3.00	\$3,030.00
15	2507-6800061	REVTMENT, CLASS E	670	TON	\$70.00	\$46,900.00	\$75.00	\$50,250.00	\$66.00	\$44,220.00	\$50.00	\$33,500.00	\$75.00	\$50,250.00
16	2519-1001000	FENCE, CHAIN LINK, VINYL COATED	160.0	LF	\$50.00	\$8,000.00	\$70.00	\$11,200.00	\$67.50	\$10,800.00	\$66.00	\$10,560.00	\$73.00	\$11,680.00
17	2536-6745045	REMOVAL OF ASBESTOS	1	LS	\$7,000.00	\$7,000.00	\$4,000.00	\$4,000.00	\$3,570.00	\$3,570.00	\$10,000.00	\$10,000.00	\$3,000.00	\$3,000.00
18	2599-9999005	VIBRATION MONITORING	11	EACH	\$6,000.00	\$66,000.00	\$7,250.00	\$79,750.00	\$7,140.00	\$78,540.00	\$8,250.00	\$90,750.00	\$7,700.00	\$84,700.00
Bridge Length (ft.)		70	Subtotal Bridge Items			\$627,419.10		\$624,610.90		\$733,151.60		\$744,142.40		\$772,750.50
Bridge Width (ft.)		32	Bridge Cost Per SF			280.10		\$278.84		\$327.30		\$332.21		\$344.98
Total Bid Price						\$1,284,406.60		\$1,278,252.59		\$1,289,657.29		\$1,452,260.85		\$1,548,247.18