

TABULATED BY: E. HOVDA  
CHECKED BY: *Adam Vaughan*

APPROVED BY: *Cabin Miller*

CONTRACTOR'S BID TABULATION  
PROJECT: RUAN CONNECTOR

ESTIMATE

ITEM	DESCRIPTION	QUANTITY	UNIT		CRAMER AND ASSOCIATES, INC. GRIMES, IA		HERBERGER CONSTRUCTION COMPANY, INC. INDIANOLA, IA		JENSEN CONSTRUCTION COMPANY DES MOINES, IA	
			PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
1.01	MODIFIED SUBBASE	150 CY	\$50.00	\$7,500.00	\$83.00	\$12,450.00	\$85.00	\$12,750.00	\$83.00	\$12,450.00
1.02	SHOULDER CONSTRUCTION, EARTH STANDARD OR SLIP FORM PORTLAND CEMENT CONCRETE PAVEMENT, CLASS C, CLASS 3 DURABILITY, 10 IN.	4.8 STA	\$500.00	\$2,400.00	\$2,700.00	\$12,960.00	\$2,750.00	\$13,200.00	\$2,700.00	\$12,960.00
1.03	FLOODED BACKFILL	693 SY	\$215.00	\$148,995.00	\$150.00	\$103,950.00	\$160.00	\$110,880.00	\$150.00	\$103,950.00
1.04	EXCAVATION, CLASS 20	1760 CY	\$50.00	\$88,000.00	\$55.00	\$96,800.00	\$65.00	\$114,400.00	\$55.00	\$96,800.00
1.05	FOUNDATION TREATMENT MATERIAL	3870 CY	\$30.00	\$116,100.00	\$31.00	\$119,970.00	\$32.00	\$123,840.00	\$31.00	\$119,970.00
1.06	STRUCTURAL CONCRETE (MISCELLANEOUS)	1260 TON	\$45.00	\$56,700.00	\$38.00	\$47,880.00	\$40.00	\$50,400.00	\$38.00	\$47,880.00
1.07	REINFORCING STEEL, EPOXY COATED	39.6 CY	\$700.00	\$27,720.00	\$2,300.00	\$91,080.00	\$1,250.00	\$49,500.00	\$2,000.00	\$79,200.00
1.08	TEMPORARY SHEET PILES AND SHORING	2555 LB	\$2.00	\$5,110.00	\$2.00	\$5,110.00	\$1.75	\$4,471.25	\$2.25	\$5,748.75
1.09	REMOVAL OF PAVEMENT	1 LS	\$85,000.00	\$85,000.00	\$200,000.00	\$200,000.00	\$155,000.00	\$155,000.00	\$225,000.00	\$225,000.00
1.10	SAFETY CLOSURE	693 SY	\$20.00	\$13,860.00	\$29.00	\$20,097.00	\$30.00	\$20,790.00	\$29.00	\$20,097.00
1.11	CONSTRUCTION SURVEY	4 EACH	\$500.00	\$2,000.00	\$250.00	\$1,000.00	\$275.00	\$1,100.00	\$100.00	\$400.00
1.12	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	1 LS	\$20,000.00	\$20,000.00	\$9,000.00	\$9,000.00	\$10,000.00	\$10,000.00	\$15,000.00	\$15,000.00
1.13	MOBILIZATION	0.6 STA	\$2,000.00	\$1,200.00	\$1,500.00	\$900.00	\$1,600.00	\$960.00	\$1,350.00	\$810.00
1.14	PRECAST CONCRETE ARCH, 19'-6" x 10'-6"	1 LS	\$261,315.15	\$261,315.15	\$150,000.00	\$150,000.00	\$235,000.00	\$235,000.00	\$225,000.00	\$225,000.00
1.15	PRECAST CONCRETE ARCH FOOTING	95 LF	\$3,000.00	\$285,000.00	\$2,250.00	\$213,750.00	\$2,850.00	\$270,750.00	\$2,725.00	\$258,875.00
1.16	PRECAST WINGWALL FOOTING	193.33 LF	\$525.00	\$101,498.25	\$400.00	\$77,332.00	\$450.00	\$86,988.50	\$500.00	\$96,665.00
1.17	DEWATERING	134.54 LF	\$800.00	\$107,632.00	\$730.00	\$98,214.20	\$550.00	\$73,997.00	\$650.00	\$87,451.00
1.18	PRECAST WINGWALL	1 LS	\$75,000.00	\$75,000.00	\$10,000.00	\$10,000.00	\$140,000.00	\$140,000.00	\$115,000.00	\$115,000.00
1.19	BENTONITE WATERPROOFING MEMBRANE	1435.6 SF	\$100.00	\$143,560.00	\$115.00	\$165,094.00	\$115.00	\$165,094.00	\$135.00	\$193,808.00
1.20	BITUMINOUS WATERPROOFING MEMBRANE	1900 SF	\$2.00	\$3,800.00	\$6.00	\$11,400.00	\$5.00	\$9,500.00	\$3.00	\$5,700.00
1.21	EXCAVATION, CLASS 10, ROADWAY AND BORROW	5800 SF	\$2.00	\$11,600.00	\$4.00	\$23,200.00	\$5.00	\$29,000.00	\$6.00	\$34,800.00
2.01	TOPSOIL, STRIP, SALVAGE AND SPREAD	201 CY	\$15.00	\$3,015.00	\$36.00	\$7,236.00	\$36.00	\$7,236.00	\$36.00	\$7,236.00
2.02	REMOVAL OF LIGHT POLES	260 CY	\$15.00	\$3,900.00	\$35.00	\$9,100.00	\$35.00	\$9,100.00	\$35.00	\$9,100.00
2.03	STRUCTURAL CONCRETE COATING	1 EACH	\$500.00	\$500.00	\$825.00	\$825.00	\$850.00	\$850.00	\$825.00	\$825.00
2.04	ORNAMENTAL METAL RAILING	385 SY	\$65.00	\$25,025.00	\$63.00	\$24,255.00	\$30.00	\$11,550.00	\$63.00	\$24,255.00
2.05	APRONS, CONCRETE, 24 IN. DIA.	100 LF	\$300.00	\$30,000.00	\$465.00	\$46,500.00	\$500.00	\$50,000.00	\$525.00	\$52,500.00
2.06	MANHOLE, SANITARY SEWER, SW-301, 48 IN.	1 EACH	\$12,200.00	\$12,200.00	\$3,600.00	\$3,600.00	\$3,800.00	\$3,800.00	\$3,600.00	\$3,600.00
2.07	CONNECTION TO EXISTING INTAKE	3 EACH	\$4,000.00	\$12,000.00	\$5,800.00	\$17,400.00	\$6,000.00	\$18,000.00	\$5,800.00	\$17,400.00
2.08	STORM SEWER GRAVITY MAIN, TRENCHED, POLYVINYL CHLORIDE PIPE (PVC), 8IN (CLASS IV), 12 IN.	1 EACH	\$1,200.00	\$1,200.00	\$3,800.00	\$3,800.00	\$4,000.00	\$4,000.00	\$3,800.00	\$3,800.00
2.09	STORM SEWER GRAVITY MAIN, TRENCHED, REINFORCED CONCRETE PIPE (RCP), 3000D (CLASS IV), 18 IN.	21 LF	\$72.00	\$1,512.00	\$168.00	\$3,528.00	\$180.00	\$3,780.00	\$168.00	\$3,528.00
2.10	STORM SEWER GRAVITY MAIN, TRENCHED, REINFORCED CONCRETE PIPE (RCP), 3000D (CLASS IV), 24 IN.	106.2 LF	\$78.00	\$8,283.60	\$166.00	\$17,629.20	\$175.00	\$18,585.00	\$166.00	\$17,629.20
2.11	STORM SEWER GRAVITY MAIN, TRENCHED, REINFORCED CONCRETE PIPE (RCP), 3000D (CLASS IV), 18 IN.	20 LF	\$90.00	\$1,800.00	\$192.00	\$3,840.00	\$200.00	\$4,000.00	\$192.00	\$3,840.00
2.12	STORM SEWER GRAVITY MAIN, TRENCHED, REINFORCED CONCRETE PIPE (RCP), 3000D (CLASS IV), 24 IN.	122.4 LF	\$140.00	\$17,136.00	\$147.00	\$17,992.80	\$155.00	\$18,972.00	\$147.00	\$17,992.80
2.13	STORM SEWER GRAVITY MAIN WITH CASING PIPE, TRENCHED, REINFORCED CONCRETE PIPE (RCP), 3000D (CLASS IV), 12 IN.	10 LF	\$350.00	\$3,500.00	\$279.00	\$2,790.00	\$300.00	\$3,000.00	\$279.00	\$2,790.00
2.14	STORM SEWER GRAVITY MAIN WITH CASING PIPE, TRENCHED, REINFORCED CONCRETE PIPE (RCP), 3000D (CLASS IV), 24 IN.	10 LF	\$380.00	\$3,800.00	\$410.00	\$4,100.00	\$425.00	\$4,250.00	\$410.00	\$4,100.00
2.15	REMOVE STORM SEWER PIPE LESS THAN OR EQUAL TO 36 IN.	96 LF	\$25.00	\$2,400.00	\$60.00	\$5,760.00	\$64.00	\$6,144.00	\$60.00	\$5,760.00
2.16	STORM SEWER ABANDONMENT, FILL AND PLUG, LESS THAN OR EQUAL TO 36 IN. DIA.	99 LF	\$25.00	\$2,475.00	\$68.00	\$6,732.00	\$70.00	\$6,930.00	\$68.00	\$6,732.00
2.17	REVTMENT, CLASS E	10 TON	\$100.00	\$1,000.00	\$114.00	\$1,140.00	\$115.00	\$1,150.00	\$114.00	\$1,140.00
2.18	RECREATIONAL TRAIL, HOT MIX ASPHALT, 6 IN	340 SY	\$40.00	\$13,600.00	\$81.00	\$27,540.00	\$80.00	\$20,400.00	\$55.00	\$18,700.00
2.19	RECREATIONAL TRAIL, PORTLAND CEMENT CONCRETE, 6 IN.	220 SY	\$80.00	\$17,600.00	\$135.00	\$29,700.00	\$125.00	\$27,500.00	\$110.00	\$24,200.00
2.20	REMOVAL OF SIDEWALK	222 SY	\$10.00	\$2,220.00	\$22.00	\$4,884.00	\$15.00	\$3,330.00	\$14.00	\$3,108.00
2.21	CURB AND GUTTER, P.C. CONCRETE, 2.5 FT.	105 LF	\$35.00	\$3,675.00	\$48.00	\$5,040.00	\$48.00	\$5,040.00	\$48.00	\$5,040.00
2.22	PASSAGEWAY CURB	190 LF	\$310.00	\$58,900.00	\$700.00	\$133,000.00	\$850.00	\$161,500.00	\$500.00	\$95,000.00
2.23	TRENCH DRAIN	18 LF	\$250.00	\$4,500.00	\$275.00	\$4,950.00	\$275.00	\$4,950.00	\$275.00	\$4,950.00
2.24	LIMESTONE EDGER	166 LF	\$12.00	\$1,992.00	\$15.00	\$2,490.00	\$13.00	\$2,158.00	\$12.00	\$1,992.00
2.25	REMOVAL OF WATER MAIN	96 LF	\$25.00	\$2,400.00	\$91.00	\$8,736.00	\$95.00	\$9,120.00	\$91.00	\$8,736.00
2.26	TREE PROTECTION FENCE, 48 IN	375 LF	\$5.00	\$1,875.00	\$10.00	\$3,750.00	\$8.00	\$3,000.00	\$8.00	\$3,000.00
2.27	MASONRY VENEER	1 LS	\$235,000.00	\$235,000.00	\$235,000.00	\$235,000.00	\$235,000.00	\$235,000.00	\$235,000.00	\$235,000.00
2.28	PASSAGEWAY LIGHTING	1 LS	\$50,000.00	\$50,000.00	\$53,000.00	\$53,000.00	\$55,000.00	\$55,000.00	\$53,000.00	\$53,000.00
2.29	PASSAGEWAY ELECTRICAL	1 LS	\$25,000.00	\$25,000.00	\$18,000.00	\$18,000.00	\$18,000.00	\$18,000.00	\$17,500.00	\$17,500.00
2.30	STORMWATER POLLUTION PREVENTION	1 LS	\$10,000.00	\$10,000.00	\$5,000.00	\$5,000.00	\$4,500.00	\$4,500.00	\$4,000.00	\$4,000.00

ITEM	DESCRIPTION	QUANTITY	UNIT		UNIT		UNIT		UNIT	
			PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
2.31	SPECIAL COMPACTION OF SUBGRADE FOR RECREATIONAL TRAIL	560 SY	\$5.00	\$2,800.00	\$12.00	\$6,720.00	\$12.00	\$6,720.00	\$12.00	\$6,720.00
2.32	GRAFFITI SEALER	385 SY	\$25.00	\$9,625.00	\$31.00	\$11,935.00	\$15.00	\$5,775.00	\$31.00	\$11,935.00
2.33	MULCHING, BONDED FIBER MATRIX	0.25 ACRE	\$3,500.00	\$875.00	\$4,800.00	\$1,200.00	\$4,000.00	\$1,000.00	\$4,000.00	\$1,000.00
2.34	SEEDING AND FERTILIZING (URBAN)	0.25 ACRE	\$6,500.00	\$1,625.00	\$2,100.00	\$525.00	\$4,000.00	\$1,000.00	\$4,000.00	\$1,000.00
2.35	SODDING	62 SQ	\$62.00	\$3,844.00	\$50.00	\$3,100.00	\$100.00	\$6,200.00	\$100.00	\$6,200.00
2.36	WATERING FOR SOD, SPECIAL DITCH CONTROL, OR SLOPE PROTECTION	37.2 MGAL	\$60.00	\$2,232.00	\$100.00	\$3,720.00	\$65.00	\$2,418.00	\$60.00	\$2,232.00
2.37	FLOWERS, AS PER PLAN	1 LS	\$9,750.00	\$9,750.00	\$5,600.00	\$5,600.00	\$8,000.00	\$8,000.00	\$8,000.00	\$8,000.00
2.38	WATERING FOR PLANTS	27 MGAL	\$30.00	\$810.00	\$100.00	\$2,700.00	\$65.00	\$1,755.00	\$60.00	\$1,620.00
3.01	HANDHOLE AND JUNCTION BOX	2 EA	\$750.00	\$1,500.00	\$2,000.00	\$4,000.00	\$1,950.00	\$3,900.00	\$1,875.00	\$3,750.00
3.02	TRAFFIC CONTROL	1 LS	\$40,000.00	\$40,000.00	\$32,000.00	\$32,000.00	\$37,500.00	\$37,500.00	\$23,500.00	\$23,500.00
3.03	PORTABLE DYNAMIC MESSAGE SIGN (PDMS)	510 CDAY	\$100.00	\$51,000.00	\$30.00	\$15,300.00	\$35.00	\$17,850.00	\$45.00	\$22,950.00
3.04	COLORED CONCRETE CORNER PIER	4 EA	\$1,200.00	\$4,800.00	\$1,500.00	\$6,000.00	\$1,500.00	\$6,000.00	\$2,250.00	\$9,000.00
3.05	COLORED CONCRETE IN-LINE PIER	6 EA	\$1,200.00	\$7,200.00	\$1,500.00	\$9,000.00	\$1,500.00	\$9,000.00	\$2,250.00	\$13,500.00
3.06	REMOVAL OF CENTER MEDIAN	540 LF	\$100.00	\$54,000.00	\$27.00	\$14,580.00	\$65.00	\$35,100.00	\$27.00	\$14,580.00
3.07	RESTORATION OF MEDIAN, PLANTER	145 LF	\$300.00	\$43,500.00	\$450.00	\$65,250.00	\$250.00	\$36,250.00	\$325.00	\$47,125.00
3.08	RESTORATION OF MEDIAN, SOD	290 LF	\$250.00	\$72,500.00	\$235.00	\$68,150.00	\$165.00	\$47,850.00	\$195.00	\$56,550.00
3.09	3 INCH HDPE CONDUIT, BORED	550 LF	\$10.00	\$5,500.00	\$15.00	\$8,250.00	\$16.00	\$8,800.00	\$15.00	\$8,250.00
3.10	INSTALL 12 STRAND FIBER	1750 LF	\$2.00	\$3,500.00	\$3.50	\$6,125.00	\$3.75	\$6,562.50	\$3.50	\$6,125.00
3.11	INSTALL 36 STRAND FIBER	2770 LF	\$2.00	\$5,540.00	\$3.15	\$8,725.50	\$3.50	\$9,695.00	\$3.15	\$8,725.50
3.12	FENCE, TEMPORARY, CHAIN LINK, 72IN HEIGHT	470 LF	\$20.00	\$9,400.00	\$7.00	\$3,290.00	\$10.00	\$4,700.00	\$9.25	\$4,347.50
3.13	REMOVAL OF FENCE, TEMPORARY, CHAIN LINK, 72IN HEIGHT	470 LF	\$5.00	\$2,350.00	\$5.00	\$2,350.00	\$1.25	\$587.50	\$1.25	\$587.50
3.14	PEDESTRIAN TRAIL SIGNAGE	1 LS	\$5,000.00	\$5,000.00	\$2,500.00	\$2,500.00	\$2,750.00	\$2,750.00	\$2,000.00	\$2,000.00
3.15	TEMPORARY PAVEMENT, HMA, RECREATIONAL TRAIL	370 SY	\$50.00	\$18,500.00	\$70.00	\$25,900.00	\$45.00	\$16,650.00	\$38.00	\$14,060.00
3.16	REMOVAL OF TEMPORARY PAVEMENT, HMA, RECREATIONAL TRAIL	370 SY	\$25.00	\$9,250.00	\$20.00	\$7,400.00	\$30.00	\$11,100.00	\$25.00	\$9,250.00
3.17	TEMPORARY PAVEMENT, 4" HMA	120 TON	\$120.00	\$14,400.00	\$450.00	\$54,000.00	\$160.00	\$19,200.00	\$150.00	\$18,000.00
TOTAL CONSTRUCTION COST				\$2,500,000.00		\$2,545,825.70		\$2,704,838.75		\$2,715,024.25
PERCENT OF ENGINEER'S ESTIMATE						+1.83%		+8.19%		+8.60%
						Low				