Water Main Replacement FY-17 (US 50 Hwy.-Blackwell to Smart & Smart to Harris) (#5201204)

				1]] [1	Redford	1	Blue Nile	1	linaweaver					1	Emery	
			Engineer						Radmacher Brothers		Holthouse		Wiedenmann		Construction		Contractors		constructioin		Orr Wyatt		Pyramid		Sapp &	
			Estimate		Miles Exc. Inc.		Triple C Underground		Excavating Co. Inc		Construction LLC		Inc		Inc.		Inc		inc		Streetscapes		Excavation		Sons, Inc.	
Item Code Item Description	UofM	Quantity	Unit Price	Extension	Unit Price	Extension	Unit Price		Unit Price	Extension	Unit Price	Extension	Unit Price	Extension	Unit Price	Extension	Unit Price	Extension	Unit Price	Extension	Unit Price	Extension	Unit Price	Extension	Unit Price Ex	xtension
				\$1,162,920.63		\$623,225.18		\$636,860.50		\$684,161.80		\$704,172.75		\$716,974.85		\$756,105.55		\$806,221.70		\$825,507.00		\$918,467.85		\$959,197.00		\$0.00
1 Mobilization	LS	1	\$89,350.83	\$89,350.83	\$7,106.54	\$7,106.54	\$25,000.00	\$25,000.00	\$84,830.00	\$84,830.00	\$20,000.00	\$20,000.00	\$13,900.00	\$13,900.00	\$25,000.00	\$25,000.00	\$37,239.55	\$37,239.55	\$40,000.00	\$40,000.00	\$36,200.00	\$36,200.00		\$75,000.00		
2 Demolition, Clearing, Grubbing and Removal	LS	1	\$89,350.83	\$89,350.83	\$32,588.69	\$32,588.69	\$16,500.00	\$16,500.00	\$19,772.00	\$19,772.00	\$10,000.00	\$10,000.00	\$40,000.00	\$40,000.00	\$25,000.00	\$25,000.00	\$26,797.18	\$26,797.18	\$24,000.00	\$24,000.00	\$17,100.00	\$17,100.00	\$25,000.00	\$25,000.00		
3 Field Survey	LS	1	\$18,043.22	\$18,043.22	\$4,010.10	\$4,010.10	\$4,000.00	\$4,000.00	\$4,000.00	\$4,000.00	\$6,500.00	\$6,500.00	\$6,500.00	\$6,500.00	\$10,000.00	\$10,000.00	\$4,243.68	\$4,243.68	\$10,000.00	\$10,000.00	\$6,400.00	\$6,400.00	\$4,000.00	\$4,000.00		
4 Water Main - 16" PVC	Ln Ft	2833	\$100.00	\$283,300.00	\$49.15	\$139,241.95	\$50.00	\$141,650.00	\$49.65	\$140,658.45		\$155,815.00	\$64.00	\$181,312.00	\$65.00	\$184,145.00	\$69.58	\$197,120.14	\$70.00	\$198,310.00	\$77.80	\$220,407.40	\$76.00	\$215,308.00		
5 Water Main - 12" PVC	Ln Ft	5870	\$80.00			\$214,548.50		\$234,800.00		\$183,731.00		\$246,540.00	\$39.00	\$228,930.00	1.5	\$316,980.00				\$293,500.00	\$51.30	\$301,131.00		\$375,680.00		
6 Water Service Llines	Ln Ft	50	\$50.00	1 /		\$1,211.50	\$20.00	1 /	1	\$2,902.50	\$24.00		\$42.00	\$2,100.00	\$18.00	1	1	\$3,279.50	\$40.00	\$2,000.00	\$26.70	\$1,335.00	\$50.00	1 /		
7 Water Meter Relocation with Reuse of Existing Water Meter	Ea	5	\$600.00	\$3,000.00		\$4,908.60	\$800.00	\$4,000.00	\$490.10		\$500.00		\$900.00	\$4,500.00	\$300.00		\$336.13	\$1,680.65	\$1,500.00	\$7,500.00	\$1,605.00	\$8,025.00	\$1,050.00			
8 Water Service - Re-Connections	Ea	5	\$400.00	\$2,000.00	1 /	\$5,028.55	\$400.00	\$2,000.00	\$903.55	1 /	\$1,500.00	1 /	\$650.00	\$3,250.00	\$150.00	1	1	\$2,650.10	\$1,200.00	\$6,000.00	\$1,070.00	\$5,350.00		1 / 1 / 1 /		
9 Water Line Valve - 16" Butterfly Valve	Ea	4	\$2,500.00	\$10,000.00	1.7	\$15,118.28	\$3,500.00	\$14,000.00	1.7	\$13,852.00	\$3,500.00		\$3,600.00	\$14,400.00	\$2,900.00	\$11,600.00	\$4,467.04	\$17,868.16	\$4,000.00	+	\$5,560.00	\$22,240.00		\$18,800.00		
10 Water Line Valve- 12" Butterfly Valve	Ea	7	\$1,500.00	\$10,500.00		\$17,230.50	\$3,000.00	\$21,000.00		\$13,356.00	\$3,000.00		\$2,100.00	\$14,700.00	\$1,700.00	\$11,900.00	\$2,345.19	\$16,416.33	\$2,500.00	\$17,500.00	\$4,060.00	\$28,420.00		\$17,150.00		
11 Air Release Valve Assembly	Ea	4	\$2,500.00	\$10,000.00		\$11,066.44		\$10,400.00	1 /	\$18,152.00	\$2,200.00		\$1,300.00	\$5,200.00	\$2,500.00	1	\$2,779.06	\$11,116.24	\$4,600.00	\$18,400.00	\$2,990.00	1 /	1.7	\$12,800.00		
12 Fire Hydrant Assembly	Ea	18	\$3,100.00	\$55,800.00	\$3,929.86	\$70,737.48	\$3,400.00	\$61,200.00	\$4,429.00	\$79,722.00		\$72,000.00	\$3,000.00	\$54,000.00	\$4,500.00	\$81,000.00	\$4,218.93	\$75,940.74	\$4,000.00	\$72,000.00	\$5,240.00	\$94,320.00	\$4,500.00	\$81,000.00		
13 Water Main - Bend (16 in.) (11.25 deg.)	Ea	5	\$950.00		\$1,097.76	1.7	\$900.00		\$1,089.00	1.7	\$1,600.00		\$1,600.00	\$8,000.00	\$580.00	+=/000000		\$5,029.00	\$1,200.00	\$6,000.00	\$1,710.00	\$8,550.00		1.1		
14 Water Main - Bend (16 in.) (22.5 deg.)	Ea	5	\$1,000.00	\$5,000.00	\$1,117.29	\$5,586.45	\$900.00	\$4,500.00	\$1,080.00	\$5,400.00	\$1,600.00	1 - /	\$1,900.00	\$9,500.00	\$580.00	\$2,900.00	\$1,005.80	\$5,029.00	\$1,200.00	\$6,000.00	\$1,820.00	\$9,100.00	\$1,050.00	1.17		
15 Water Main - Bend (12 in.) (11.25 deg.)	Ea	3	\$650.00		\$732.75	\$2,198.25	\$600.00	\$1,800.00	\$1,688.00	+0,00.000	\$1,450.00	1 /	\$1,000.00	\$3,000.00	\$350.00		\$409.85	\$1,229.55	\$750.00	\$2,250.00	+=/=====	\$3,540.00	\$750.00			
16 Water Main - Bend (12 in.) (22.5 deg.)	Ea	1	\$725.00	\$725.00	\$880.77	\$880.77	\$600.00	\$600.00	\$750.00	\$750.00	\$1,450.00	1 / 2 2 2 2	\$1,300.00	\$1,300.00	\$350.00	\$350.00	\$435.53	\$435.53	\$750.00	\$750.00	\$1,920.00	\$1,920.00	\$750.00	\$750.00		
17 Water Main - Bend (12 in.) (45 deg.)	Ea	2	\$800.00	\$1,600.00	\$818.14	\$1,636.28	\$600.00	\$1,200.00	\$768.00	\$1,536.00	\$1,450.00		\$1,800.00	\$3,600.00	\$390.00	\$780.00	\$446.70	\$893.40	\$750.00	\$1,500.00	\$1,280.00	\$2,560.00	\$775.00	\$1,550.00		
18 Water Main - Bend (12 in.) (90 deg.)	Ea	3	\$900.00	\$2,700.00	\$922.48	\$2,767.44	\$700.00	\$2,100.00	\$797.00	\$2,391.00	\$2,450.00	\$7,350.00	\$1,400.00	\$4,200.00	\$500.00	\$1,500.00	\$481.32	\$1,443.96	\$800.00	\$2,400.00	\$1,500.00	\$4,500.00	\$800.00	\$2,400.00		
19 Driveways - Gravel	Sq Yd	314	\$8.00	\$2,512.00	\$8.30	\$2,606.20	\$14.00	\$4,396.00	\$12.50	\$3,925.00	\$31.00		\$7.50	\$2,355.00	\$6.00	\$1,884.00	\$12.44	\$3,906.16	\$10.00	\$3,140.00	\$16.10	\$5,055.40	\$10.00	\$3,140.00		
20 Driveways - Concrete	Sq Yd	79	\$52.74	\$4,166.46	\$68.96	\$5,447.84	\$100.00	\$7,900.00	\$45.35	1 - 7	\$100.00	1 /2 2 2 2 2	\$120.00	\$9,480.00	\$110.00	\$8,690.00		\$6,881.69	\$85.00	1.7	\$106.90	\$8,445.10		\$6,715.00		
21 Driveways - Asphalt	Sq Yd	36	\$19.26	\$693.36	\$161.96	\$5,830.56	\$95.00	\$3,420.00	\$67.25	\$2,421.00	\$140.00	\$5,040.00	\$226.00	\$8,136.00	\$150.00	\$5,400.00	\$149.64	\$5,387.04	\$200.00	\$7,200.00	\$106.90	\$3,848.40	\$85.00	\$3,060.00		
22 Culvert - 15" CMP	Ln Ft	32	\$30.00		\$47.62	\$1,523.84	\$88.00	\$2,816.00	\$90.40	\$2,892.80	\$40.00	1 / 22 22	\$49.00	\$1,568.00	\$35.00	\$1,120.00	\$51.52	\$1,648.64	\$80.00	\$2,560.00	\$128.30	\$4,105.60	\$80.00	\$2,560.00		
23 Culvert - 36" CMP	Ln Ft	20	\$50.00	\$1,000.00	\$79.49	\$1,589.80	\$140.00	\$2,800.00	\$131.95	\$2,639.00	\$80.00		\$107.00	\$2,140.00	\$65.00		\$118.06	\$2,361.20	\$140.00	\$2,800.00	\$427.60	\$8,552.00	\$125.00	\$2,500.00		
24 Remove\Replace Barbed Wire Fence	Ln Ft	24	\$9.50	\$228.00	\$18.67	\$448.08	\$25.00	\$600.00	\$9.20	\$220.80	\$20.00		\$18.00	\$432.00	\$12.00	\$288.00	\$24.57	\$589.68	\$50.00	\$1,200.00	\$106.90	\$2,565.60	\$12.00			
25 Remove Barbed Wire Fence\Replace with 2-Strand Woven Wire Fence	Ln Ft	663	\$1.50	\$994.50	\$18.76	\$12,437.88	\$25.00	\$16,575.00	\$12.60	\$8,353.80		\$15,912.00	\$15.00	\$9,945.00	\$15.00	\$9,945.00	\$16.75	\$11,105.25	\$12.00	\$7,956.00	\$48.10	\$31,890.30		\$5,967.00		
26 Remove\Replace Wood Fence	Ln Ft	96	\$16.00	\$1,536.00	\$38.15	\$3,662.40	\$40.00	\$3,840.00	\$27.15	\$2,606.40	\$80.00	\$7,680.00	\$21.00	\$2,016.00	\$40.00	\$3,840.00	\$31.27	\$3,001.92	\$36.00	\$3,456.00	\$106.90	\$10,262.40	\$55.00	\$5,280.00		
27 Install Temporary Fence as Needed	Ln Ft	120	\$8.00	\$960.00	\$14.14	\$1,696.80	\$20.00	\$2,400.00	\$8.10	\$972.00	\$20.00	\$2,400.00	\$5.00	\$600.00	\$5.00	\$600.00	\$3.35	\$402.00	\$6.00	\$720.00	\$32.10	\$3,852.00	\$8.00	\$960.00		
28 Remove Barbed Wire Fence	Ln Ft	3341	\$0.85	\$2,839.85	\$2.26	\$7,550.66		\$13,364.00		\$12,027.60		\$10,023.00	\$1.00	\$3,341.00	\$0.25	\$835.25		\$7,450.43	\$1.00		\$5.30	\$17,707.30		\$3,341.00		
29 Pavement	Sq Yd	31	\$24.48	\$758.88	\$161.85	\$5,017.35	\$95.00	\$2,945.00	\$67.25	\$2,084.75	\$140.00	\$4,340.00	\$203.00	\$6,293.00	\$125.00	\$3,875.00	\$186.50	\$5,781.50	\$200.00	\$6,200.00	\$106.90	\$3,313.90	\$145.00	\$4,495.00		
30 Seeding	Ln Ft	8703	\$1.68	\$14,621.04	\$1.94	\$16,883.82	\$1.50	\$13,054.50	\$3.60	\$31,330.80		\$10,878.75	\$3.95	\$34,376.85	\$1.10	\$9,573.30	\$1.03	\$8,964.09	\$3.00	\$26,109.00	\$2.15	\$18,711.45	\$1.00	\$8,703.00		
31 Erosion Control	LS	1	\$35,740.33	\$35,740.33	\$12,953.67	\$12,953.67	\$5,000.00	\$5,000.00	\$15,750.00	\$15,750.00	\$16,500.00	\$16,500.00	\$36,000.00	\$36,000.00	\$18,000.00	\$18,000.00	\$52,677.51	\$52,677.51	\$15,000.00	\$15,000.00	\$8,550.00	\$8,550.00	\$50,000.00	\$50,000.00		
32 Traffic Control	LS	1	\$35,740.33	\$35,740.33	\$4,221.16	\$4,221.16	\$7,500.00	\$7,500.00	\$6,825.00	\$6,825.00	\$12,500.00	\$12,500.00	\$1,900.00	\$1,900.00	\$2,500.00	\$2,500.00	\$16,751.38	\$16,751.38	\$15,000.00	\$15,000.00	\$8,550.00	\$8,550.00	\$7,500.00	\$7,500.00		
				\$1,162,920.63		\$623,225.18		\$636,860.50		\$684,161.80		\$704,172.75		\$716,974.85		\$756,105.55		\$806,221.70		\$825,507.00		\$918,467.85		\$959,197.00		\$0.00