
MEMORANDUM

TO: RANDY HILL, PUBLIC WORKS DIRECTOR
FROM: JON LUTZ, CITY ENGINEER
SUBJECT: 2012 CEDAR STREET UTILITY PROJECT
DATE: May 24th, 2012

INTRODUCTION:

The City of Muscatine received bids on the Cedar Street Utility Project on May, 23rd, 2012.

BACKGROUND:

The engineer's estimate was \$464,919.00. Bids were received as follows:

Company	Location	Base Bid	Alternate
1. Sulzberger Excavating	Muscatine, Iowa	\$399,865.95	\$399,746.70
2. Brandt Construction Co.	Milan, Illinois	\$400,787.40	\$381,599.40
3. Hagerty Earthworks, LLC	Muscatine, Iowa	\$430,230.40	\$430,230.40

RECOMMENDATION/RATIONALE:

I recommend City Council award the Cedar Street Utility Project with alternate bid items to Brandt Construction Co. at the June 7th regular meeting for \$381,599.40 and that contracts and bonds be prepared accordingly for Council approval on June 21st, 2012.

ADDITIONAL INFORMATION:

1. Bid Tabulation

BID TABULATION

CEDAR STREET UTILITY PROJECT

Bid Opening: May 23, 2012

				Engineer's Estimate		Sulzberger Excavating, INC.				Brandt Construction Co.			Hagerty Earthworks, LLC		
#	ITEM	QUANTITY	UNIT	Price/ Unit	Total	Price/ Unit	Total	Adjusted Total		Price/Unit	Total	Adjusted Total	Price/Unit	Total	Adjusted Total
General								Per Alternates				Per Alternates			Per Alternates
A1	Mobilization	1	LS	\$30,000.00	\$30,000.00	\$8,250.00	\$8,250.00	\$8,250.00		\$12,000.00	\$12,000.00	\$12,000.00	\$6,500.00	\$6,500.00	\$6,500.00
A2	Traffic Control	1	LS	\$3,000.00	\$3,000.00	\$1,000.00	\$1,000.00	\$1,000.00		\$1,800.00	\$1,800.00	\$1,800.00	\$1,600.00	\$1,600.00	\$1,600.00
A3	Grading	1	LS	\$45,000.00	\$45,000.00	\$37,500.00	\$37,500.00	\$37,500.00		\$19,000.00	\$19,000.00	\$19,000.00	\$37,500.00	\$37,500.00	\$37,500.00
A4	Urban Seeding	0.35	ACRE	\$2,000.00	\$700.00	\$1,980.00	\$693.00	\$693.00		\$2,010.00	\$703.50	\$703.50	\$1,800.00	\$630.00	\$630.00
A5	Rural Seeding	2.26	ACRE	\$2,000.00	\$4,520.00	\$1,980.00	\$4,474.80	\$4,474.80		\$1,565.00	\$3,536.90	\$3,536.90	\$1,800.00	\$4,068.00	\$4,068.00
A6	Silt Fence	1131	LF	\$3.00	\$3,393.00	\$3.25	\$3,675.75	\$3,675.75		\$2.00	\$2,262.00	\$2,262.00	\$3.00	\$3,393.00	\$3,393.00
A7	TV inspection	1	LS	\$4,700.00	\$4,700.00	\$2,850.00	\$2,850.00	\$2,850.00		\$2,450.00	\$2,450.00	\$2,450.00	\$2,500.00	\$2,500.00	\$2,500.00
A8	Construction Survey	1	LS	\$12,000.00	\$12,000.00	\$4,650.00	\$4,650.00	\$4,650.00		\$4,700.00	\$4,700.00	\$4,700.00	\$10,850.00	\$10,850.00	\$10,850.00
A9	Pavement Removal	118	SY	\$10.00	\$1,180.00	\$10.00	\$1,180.00	\$1,180.00		\$12.00	\$1,416.00	\$1,416.00	\$20.00	\$2,360.00	\$2,360.00
A10	7" PCC Pavement Patch	118	SY	\$60.00	\$7,080.00	\$94.50	\$11,151.00	\$11,151.00		\$46.00	\$5,428.00	\$5,428.00	\$86.30	\$10,183.40	\$10,183.40
A11	6" Asphalt Millings Subbase	136	SY	\$5.00	\$680.00	\$7.00	\$952.00	\$952.00		\$11.00	\$1,496.00	\$1,496.00	\$8.50	\$884.00	\$884.00
A12	Concrete Barrier Rail	200	LF	\$15.00	\$3,000.00	\$11.00	\$2,200.00	\$2,200.00		\$22.00	\$4,400.00	\$4,400.00	\$15.00	\$3,000.00	\$3,000.00
Section A Subtotal:					\$115,253.00		\$78,576.55	\$78,576.55		\$59,192.40	\$59,192.40		\$83,468.40	\$83,468.40	
Water Distribution															
B1	10" DIWM Class 52	1968	LF	\$75.00	\$147,600.00	\$57.10	\$112,372.80	\$112,372.80		\$74.25	\$146,124.00	\$0.00	\$65.00	\$127,920.00	\$127,920.00
B2	8" DIWM Class 52	96	LF	\$80.00	\$7,680.00	\$79.00	\$7,584.00	\$7,584.00		\$75.00	\$7,200.00	\$7,200.00	\$56.00	\$5,376.00	\$5,376.00
B3	6" DIWM Class 52	18	LF	\$80.00	\$1,440.00	\$103.00	\$1,854.00	\$1,854.00		\$84.50	\$1,521.00	\$1,521.00	\$48.50	\$873.00	\$873.00
B4	10" line Stop	1	EA	\$5,000.00	\$5,000.00	\$8,000.00	\$8,000.00	\$8,000.00		\$10,500.00	\$10,500.00	\$10,500.00	\$9,500.00	\$9,500.00	\$9,500.00
B5	10" Gate Valve	1	EA	\$4,000.00	\$4,000.00	\$1,950.00	\$1,950.00	\$1,950.00		\$2,800.00	\$2,800.00	\$2,800.00	\$4,000.00	\$4,000.00	\$4,000.00
B6	10" Plug & Thrust Block	2	EA	\$2,500.00	\$5,000.00	\$750.00	\$1,500.00	\$1,500.00		\$450.00	\$900.00	\$900.00	\$800.00	\$1,600.00	\$1,600.00
B7	10"x10" Tapping Valve & Sleeve	2	EA	\$5,000.00	\$10,000.00	\$4,080.00	\$8,160.00	\$8,160.00		\$4,900.00	\$9,800.00	\$9,800.00	\$5,500.00	\$11,000.00	\$11,000.00
B8	8" Line Stop	1	EA	\$3,000.00	\$3,000.00	\$4,550.00	\$4,550.00	\$4,550.00		\$5,850.00	\$5,850.00	\$5,850.00	\$5,800.00	\$5,800.00	\$5,800.00
B9	8" Gate Valve	1	EA	\$2,500.00	\$2,500.00	\$1,425.00	\$1,425.00	\$1,425.00		\$1,550.00	\$1,550.00	\$1,550.00	\$3,500.00	\$3,500.00	\$3,500.00
B10	6" Valve & Hydrant Assembly	4	EA	\$3,500.00	\$14,000.00	\$3,985.00	\$15,940.00	\$15,940.00		\$4,700.00	\$18,800.00	\$18,800.00	\$3,950.00	\$15,800.00	\$15,800.00
B11	2" Copper Service Reconnection	1	EA	\$2,000.00	\$2,000.00	\$2,250.00	\$2,250.00	\$2,250.00		\$2,445.00	\$2,445.00	\$2,445.00	\$2,425.00	\$2,425.00	\$2,425.00
B12	1" Copper Service Reconnection	1	EA	\$1,000.00	\$1,000.00	\$1,895.00	\$1,895.00	\$1,895.00		\$1,200.00	\$1,200.00	\$1,200.00	\$1,625.00	\$1,625.00	\$1,625.00
Section B Subtotal:					\$203,220.00		\$167,480.80	\$167,480.80		\$208,690.00	\$62,566.00		\$189,419.00	\$189,419.00	
Storm Sewer															
C1	SW401 Manhole 5' Dia	3	EA	\$3,500.00	\$10,500.00	\$5,080.00	\$15,240.00	\$15,240.00		\$2,900.00	\$8,700.00	\$8,700.00	\$4,850.00	\$14,550.00	\$14,550.00
C2	SW401 Manhole 6' Dia	1	EA	\$4,500.00	\$4,500.00	\$4,915.00	\$4,915.00	\$4,915.00		\$3,400.00	\$3,400.00	\$3,400.00	\$4,950.00	\$4,950.00	\$4,950.00
C3	SW507 Inlet	1	EA	\$2,800.00	\$2,800.00	\$2,980.00	\$2,980.00	\$2,980.00		\$2,350.00	\$2,350.00	\$2,350.00	\$2,850.00	\$2,850.00	\$2,850.00
C4	SW508 Inlet	5	EA	\$3,200.00	\$16,000.00	\$3,040.00	\$15,200.00	\$15,200.00		\$2,300.00	\$11,500.00	\$11,500.00	\$2,910.00	\$14,550.00	\$14,550.00
C5	SW510 Inlet	1	EA	\$4,000.00	\$4,000.00	\$4,280.00	\$4,280.00	\$4,280.00		\$4,150.00	\$4,150.00	\$4,150.00	\$5,050.00	\$5,050.00	\$5,050.00
C6	Raise Manhole 5' Dia	1	EA	\$2,000.00	\$2,000.00	\$1,150.00	\$1,150.00	\$1,150.00		\$1,950.00	\$1,950.00	\$1,950.00	\$3,400.00	\$3,400.00	\$3,400.00
C7	15" RCP 2000D	550	LF	\$30.00	\$16,500.00	\$42.00	\$23,100.00	\$23,100.00		\$37.00	\$20,350.00	\$20,350.00	\$46.00	\$25,300.00	\$25,300.00
C8	15" RCP Apron	4	EA	\$850.00	\$3,400.00	\$1,045.00	\$4,180.00	\$4,180.00		\$665.00	\$2,660.00	\$2,660.00	\$1,300.00	\$5,200.00	\$5,200.00
C9	18" RCP 2000D	498	LF	\$42.00	\$20,916.00	\$45.50	\$22,659.00	\$22,659.00		\$39.00	\$19,422.00	\$19,422.00	\$48.50	\$24,153.00	\$24,153.00
C10	24" RCP 2000D	53	LF	\$60.00	\$3,180.00	\$64.25	\$3,405.25	\$0.00		\$55.00	\$2,915.00	\$2,915.00	\$53.00	\$2,809.00	\$2,809.00
C11	24" RCP Apron	1	EA	\$1,400.00	\$1,400.00	\$1,525.00	\$1,525.00	\$1,525.00		\$755.00	\$755.00	\$755.00	\$1,672.00	\$1,672.00	\$1,672.00
C12	30" RCP 2000D	591	LF	\$70.00	\$41,370.00	\$63.85	\$37,735.35	\$37,735.35		\$80.00	\$35,460.00	\$35,460.00	\$61.00	\$36,051.00	\$36,051.00
C13	30" HDPE	98	LF	\$85.00	\$8,330.00	\$70.50	\$6,909.00	\$6,909.00		\$101.00	\$9,898.00	\$9,898.00	\$61.00	\$5,978.00	\$5,978.00
C14	30" RCP Apron	1	EA	\$1,500.00	\$1,500.00	\$2,200.00	\$2,200.00	\$2,200.00		\$1,000.00	\$1,000.00	\$1,000.00	\$2,050.00	\$2,050.00	\$2,050.00
C15	Remove & Mortar 24" CMP	1	EA	\$3,000.00	\$3,000.00	\$1,500.00	\$1,500.00	\$1,500.00		\$1,900.00	\$1,900.00	\$1,900.00	\$1,100.00	\$1,100.00	\$1,100.00
C16	18" Driveway Culvert	1	EA	\$1,000.00	\$1,000.00	\$1,550.00	\$1,550.00	\$1,550.00		\$1,655.00	\$1,655.00	\$1,655.00	\$1,850.00	\$1,850.00	\$1,850.00
C17	Class E Revetment Stone	110	TON	\$55.00	\$6,050.00	\$48.00	\$5,280.00	\$5,280.00		\$44.00	\$4,840.00	\$4,840.00	\$53.00	\$5,830.00	\$5,830.00
Section C Subtotal:					\$146,446.00		\$153,808.60	\$150,403.35		\$132,905.00	\$132,905.00		\$157,343.00	\$157,343.00	
Alternates															
D1	15" HDPE/A2000 PVC	267	LF	\$27.00	\$7,209.00	\$47.50	\$12,682.50	\$0.00		\$39.25	\$10,479.75	\$0.00	\$46.00	\$12,282.00	\$0.00
D2	18" HDPE/A2000 PVC	400	LF	\$38.00	\$15,200.00	\$49.75	\$19,900.00	\$0.00		\$43.00	\$17,200.00	\$0.00	\$48.50	\$19,400.00	\$0.00
D3	24" HDPE/A2000 PVC	53	LF	\$50.00	\$2,650.00	\$62.00	\$3,286.00	\$3,286.00		\$81.00	\$4,333.00	\$0.00	\$53.00	\$2,809.00	\$0.00
D4	30" HDPE/A2000 PVC	497	LF	\$60.00	\$29,820.00	\$67.00	\$33,299.00	\$0.00		\$66.00	\$32,802.00	\$0.00	\$61.00	\$30,317.00	\$0.00
D5	Nyloplast 30" Manhole	1	EA	\$1,300.00	\$1,300.00	\$4,915.00	\$4,915.00	\$0.00		\$2,800.00	\$2,800.00	\$0.00	\$5,000.00	\$5,000.00	\$0.00
D6	10" HDPE DR9 Water Main	1968	LF	\$85.00	\$167,280.00	\$60.00	\$118,080.00	\$0.00		\$64.50	\$126,936.00	\$126,936.00	\$65.00	\$127,920.00	\$0.00
Section D Subtotal:								\$3,286.00			\$126,936.00	\$126,936.00			\$0.00
Base Bid					\$464,919.00		\$399,865.95			\$400,787.40			\$430,230.40		
Bid With Lower Alternates								\$399,746.70	>>>>LOW BID>>>>	\$381,599.40					\$430,230.40