

Memorandum

TO: Programs, Project and Operations Subcommittee

FROM: Jerry Herbster, Park Superintendent

SUBJECT: Bid Opening on Chalco Hills Recreation Area - Trail and Road Improvement Project

DATE: March 1, 2011

On March 1, 2011 bids were accepted and opened for the Chalco Hills Trail and Road Improvement Project. This project includes:

- Repair of trail from park boundary to Highway 50
- New walking and biking trail from the 4-way stop to the trail head at the Natural Resources Center
- New concrete road way at the shop exit road to the park
- A concrete bike rack parking pad at the Natural Resources Center building

The plans and specifications for this project were prepared by RW Engineering & Surveying. There were seven bids submitted, (see bid tab sheet). After review by RW Engineering & Surveying and the NRD staff, the lowest and best bid was determined to be, U.S. Asphalt Co., for the cost of \$95,017.20. Engineering estimated cost for this project was \$133,977.00.

- **It is Management's recommendation that the Subcommittee recommend to the Board of Directors that U.S. Asphalt Co. be awarded the bid of \$95,017.20 for the Chalco Hills Trail and Road Improvement Project.**

Probable Construction Cost
Chalco Hills Recreation Area
Improvements 2011
Project No.

Zone A		Engineer's Estimate		Daedalus Construction		Dostals Construction		Luxa Construction	
ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE		UNIT PRICE		UNIT PRICE	
1	MOBILIZATION	1.0	LS	\$2,500.00	\$1,500.00	\$500.00	\$18,650.00	\$18,650.00	
2	FULL DEPTH SAW CUT	80.0	LF	\$1,200.00	\$3.50	\$280.00	\$3.75	\$300.00	
3	PAVEMENT REMOVAL	1725.0	SY	\$9,487.50	\$8.00	\$13,800.00	\$4.50	\$7,762.50	\$5,606.25
4	FAULTY SUBGRADE - REMOVE & REPLACE	85.0	SY	\$1,700.00	\$20.00	\$1,700.00	\$8.00	\$680.00	
5	7" CONCRETE PAVEMENT	1700.0	SY	\$68,000.00	\$27.50	\$46,750.00	\$38.00	\$64,600.00	\$45,475.00
6	FINISH GRADING - SHOULDERS	1.0	LS	\$3,900.00	\$1,000.00	\$1,500.00	\$2,000.00	\$2,000.00	
				\$86,787.50	\$65,030.00	\$75,772.50		\$72,711.25	

Zone B		Engineer's Estimate		Daedalus Construction		Dostals Construction		Luxa Construction	
ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE		UNIT PRICE		UNIT PRICE	
1	GRADING	1.0	LS	\$2,500.00	\$1,300.00	\$8,000.00	\$2,250.00	\$2,250.00	
2	CONSTRUCT 15" HDPE CULVERT PIPE	24.0	LF	\$720.00	\$60.00	\$1,440.00	\$65.00	\$37.50	\$900.00
3	EXTEND 12" PVC PIPE	6.0	LF	\$300.00	\$55.00	\$330.00	\$40.00	\$72.50	\$435.00
4	6" CONCRETE BIKEWAY, TYPE L6	504.0	SY	\$17,640.00	\$27.00	\$13,608.00	\$32.00	\$16,128.00	\$12,852.00
5	INSTALL TRAIL STOP SIGN	2.0	EA	\$1,500.00	\$250.00	\$500.00	\$90.00	\$180.00	
6	PAVEMENT MARKINGS	1.0	LS	\$1,250.00	\$400.00	\$350.00	\$205.00	\$205.00	
				\$23,910.00	\$17,578.00	\$26,778.00		\$16,822.00	

Zone C		Engineer's Estimate		Daedalus Construction		Dostals Construction		Luxa Construction	
ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE		UNIT PRICE		UNIT PRICE	
1	CONCRETE SIDEWALK - 4" DEPTH	85.0	SF	\$680.00	\$7.00	\$595.00	\$3.00	\$255.00	
2	INSTALL BIKE RACK	1.0	EA	\$850.00	\$200.00	\$100.00	\$250.00	\$250.00	
				\$1,530.00	\$795.00	\$525.00		\$505.00	

Zone D		Engineer's Estimate		Daedalus Construction		Dostals Construction		Luxa Construction	
ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE		UNIT PRICE		UNIT PRICE	
1	MOBILIZATION	1.0	LS	\$3,500.00	\$1,500.00	\$500.00	\$700.00	\$700.00	
2	EARTHWORK (EXCAVATION)	260.0	CY	\$2,080.00	\$8.00	\$2,080.00	\$17.60	\$4,576.00	
3	PAVEMENT REMOVAL	12.0	SY	\$480.00	\$9.00	\$108.00	\$30.00	\$360.00	\$39.00
4	CONSTRUCT AREA INLET, TYPE II	1.0	EA	\$3,000.00	\$1,850.00	\$3,400.00	\$2,435.00	\$2,435.00	
5	CONSTRUCT 36" R.C.P.	36.0	LF	\$1,980.00	\$62.00	\$2,232.00	\$110.00	\$3,960.00	\$2,880.00
6	CONSTRUCT 36" R.C. FLARED END SECTION	1.0	EA	\$1,450.00	\$800.00	\$800.00	\$1,170.00	\$1,170.00	
7	6" CONCRETE BIKEWAY, TYPE L6	12.0	SY	\$600.00	\$372.00	\$50.00	\$35.00	\$420.00	
8	GRADING	1.0	LS	\$2,500.00	\$1,300.00	\$1,500.00	\$1,635.00	\$1,635.00	
9	EROSION CONTROL BLANKET, TYPE C125	1120.0	SY	\$3,360.00	\$2.15	\$2,408.00	\$1.85	\$2,072.00	\$2,520.00
10	EROSION CONTROL BLANKET, TYPE P300	560.0	SY	\$2,800.00	\$4.10	\$2,296.00	\$3.60	\$2,016.00	\$2,520.00
				\$21,750.00	\$14,946.00	\$18,368.00		\$18,895.00	
				\$133,977.50	\$98,349.00	\$121,443.50		\$108,933.25	

LOW BID

Zone A			MFT Construction		TAB Construction		US Asphalt Company
ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	UNIT PRICE	UNIT PRICE	
1	MOBILIZATION	1.0	LS	\$1,725.00	\$5,645.00	\$606.00	\$606.00
2	FULL DEPTH SAW CUT	80.0	LF	\$4.42	\$3.20	\$256.00	\$204.00
3	PAVEMENT REMOVAL	1725.0	SY	\$5.04	\$8,694.00	\$5.70	\$4,657.50
4	FAULTY SUBGRADE - REMOVE & REPLACE	85.0	SY	\$19.92	\$1,693.20	\$17.80	\$548.25
5	7" CONCRETE PAVEMENT	1700.0	SY	\$28.96	\$49,232.00	\$31.90	\$50,490.00
6	FINISH GRADING - SHOULDERS	1.0	LS	\$4,744.40	\$1,425.00	\$1,335.00	\$1,335.00
				\$66,442.20	\$72,901.50		\$57,840.75

Zone B			MFT Construction		TAB Construction		US Asphalt Company
ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	UNIT PRICE	UNIT PRICE	
1	GRADING	1.0	LS	\$5,325.85	\$5,350.00	\$2,427.00	\$2,427.00
2	CONSTRUCT 15" HDPE CULVERT PIPE	24.0	LF	\$65.80	\$1,339.20	\$39.00	\$1,185.60
3	EXTEND 12" PVC PIPE	6.0	LF	\$81.47	\$488.82	\$64.00	\$384.00
4	6" CONCRETE BIKEWAY, TYPE L6	504.0	SY	\$26.46	\$13,335.84	\$28.00	\$14,112.00
5	INSTALL TRAIL STOP SIGN	2.0	EA	\$88.55	\$177.10	\$101.00	\$202.00
6	PAVEMENT MARKINGS	1.0	LS	\$216.20	\$235.00	\$235.00	\$263.00
				\$20,883.01	\$21,219.00		\$18,927.40

Zone C			MFT Construction		TAB Construction		US Asphalt Company
ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	UNIT PRICE	UNIT PRICE	
1	CONCRETE SIDEWALK - 4" DEPTH	85.0	SF	\$8.01	\$680.85	\$8.00	\$680.00
2	INSTALL BIKE RACK	1.0	EA	\$455.53	\$145.00	\$145.00	\$187.00
				\$1,136.38	\$825.00		\$718.25

Zone D			MFT Construction		TAB Construction		US Asphalt Company
ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	UNIT PRICE	UNIT PRICE	
1	MOBILIZATION	1.0	LS	\$1,495.00	\$1,495.00	\$1,065.00	\$606.00
2	EARTHWORK (EXCAVATION)	280.0	CY	\$16.96	\$4,409.60	\$8.30	\$2,158.00
3	PAVEMENT REMOVAL	12.0	SY	\$18.64	\$223.68	\$12.00	\$144.00
4	CONSTRUCT AREA INLET, TYPE II	1.0	EA	\$2,715.89	\$2,715.89	\$2,805.00	\$2,805.00
5	CONSTRUCT 36" R.C.P.	36.0	LF	\$96.64	\$3,479.04	\$85.00	\$3,060.00
6	CONSTRUCT 36" R.C. FLARED END SECTION	1.0	EA	\$482.45	\$482.45	\$985.00	\$985.00
7	6" CONCRETE BIKEWAY, TYPE L6	12.0	SY	\$63.54	\$762.48	\$45.00	\$540.00
8	GRADING	1.0	LS	\$4,744.40	\$4,744.40	\$8,450.00	\$2,794.00
9	EROSION CONTROL BLANKET, TYPE C125	1120.0	SY	\$1.19	\$1,332.80	\$2.15	\$2,408.00
10	EROSION CONTROL BLANKET, TYPE P300	560.0	SY	\$6.79	\$3,802.40	\$4.05	\$2,268.00
				\$23,447.74	\$23,883.00		\$17,530.80
				\$111,909.33	\$118,828.50		\$95,017.20