

## MEMORANDUM

**TO:** Programs, Projects and Operations Subcommittee

**SUBJECT:** Review and Recommendation on Chalco Hills Recreation Area Road and Trail Rehabilitation and Improvements

**DATE:** February 4, 2009

**FROM:** Jerry Herbster, Park Superintendent

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The following projects have been scheduled for the spring of 2009:

1. Walking trail next to boulevard entrance road, from Giles Road to the four way stop (safety issue, as walkers were using the current road way).
2. Blacktop road surface replacement on west loop drive (only section that has not been replaced).
3. Concrete surface on trail over the dam (replace only blacktop surface remaining on trail system).
4. Replace retaining wall at NRC building with sidewalk (safety and maintenance issue).

At the beginning of this project the engineer firm, Sides & Associates, was contacted and retained to do the engineering, as they have done most of the work in the past for the District in this area.

The project was properly advertised in January 2009 and bids were received. The bids for the project were opened on February 3, 2009 at 10:00 a.m. at the District Headquarters located at 8901 S. 154<sup>th</sup> Street, Omaha, NE. There were 8 bids received, and the bids were divided into two categories, as per the engineering firms request; one for the concrete work and one for the asphalt work. The lowest and best bid for the concrete work was Tab Construction for \$105,064.50. The lowest and best bid for the asphalt work was Western Engineering for \$117,752.97. The total project lowest and best bids are \$222,817.40. The engineering estimate for this project was \$236,101.21. There is currently money in the budget for this project.

- **It is staff's recommendation that the bids of \$105,064.50 by Tab Construction and bid of \$117,752.97 by Western Engineering for the total of \$222,817.40 be accepted and awarded.**

PLANS FOR CONSTRUCTION

# 2009 CHALCO HILLS RECREATION AREA IMPROVEMENTS



LOCATION MAP

**PAPPIO-MISSOURI RIVER  
NATURAL  
RESOURCES  
DISTRICT**  
8001 G. SKAN DR.  
OMAHA, NE 68138-0621

**BENCHMARKS**

BENCHMARK	NORTH COORDINATES	EAST COORDINATES	ELEVATION
PTD-13A	565,846.7	2,820,142.8	1146.89
PTD-14A	566,076.4	2,819,299.3	1121.57

**GENERAL NOTES**

- ALL MATERIALS AND WORK SHALL CONFORM TO APPLICABLE SECTIONS AND SUBSECTIONS OF THE CITY OF OMAHA 2003.1 AND 2003.2 AND EDITION OF "STANDARD SPECIFICATIONS FOR PUBLIC WORKS" AND/OR TRACT CONSTRUCTION DRAWINGS.
- THE UTILITIES SHOWN ON THE PLANS ARE FOR THE CONTRACTOR'S CONFORMANCE. HOWEVER, THE LOCATIONS OF ALL UTILITIES FACILITIES MAY NOT BE KNOWN AND INDICATED ON THIS PLAN WILL BE LOCATED AND MAINTAINED BY THE UTILITIES AT THE REQUEST OF THE CONTRACTOR.
- NO EXCAVATION WILL BE PERMITTED IN THE AREA OF UNDERGROUND UTILITY FACILITIES OF ALL PARTIES. WHEN EXCAVATING, CARE SHALL BE TAKEN TO AVOID ANY POSSIBILITY OF DAMAGE TO EXISTING UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES.
- THE CONTRACTOR SHALL DEPOSE OF ALL UNDESIRABLE MATERIALS ENCOUNTERED IN THE COURSE OF CONSTRUCTION TO AN APPROPRIATE DISPOSAL SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES.
- THE CONTRACTOR SHALL FURNISH AND MAINTAIN ALL NECESSARY SIGNAGE, WARNING SIGNS, LIGHTS AND FLAGGING FOR THE TRAFFIC SIGNALING, STAKEOUT, SPACIFICATION, METHODS AND MATERIALS MANUAL OF THE CITY OF OMAHA AS DIRECTED BY THE ENGINEER. SIGNAGE AND FLAGGING WILL BE THE RESPONSIBILITY OF THE OWNER.
- THE CONTRACTOR SHALL MAINTAIN ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES.
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**INDEX OF SHEETS**

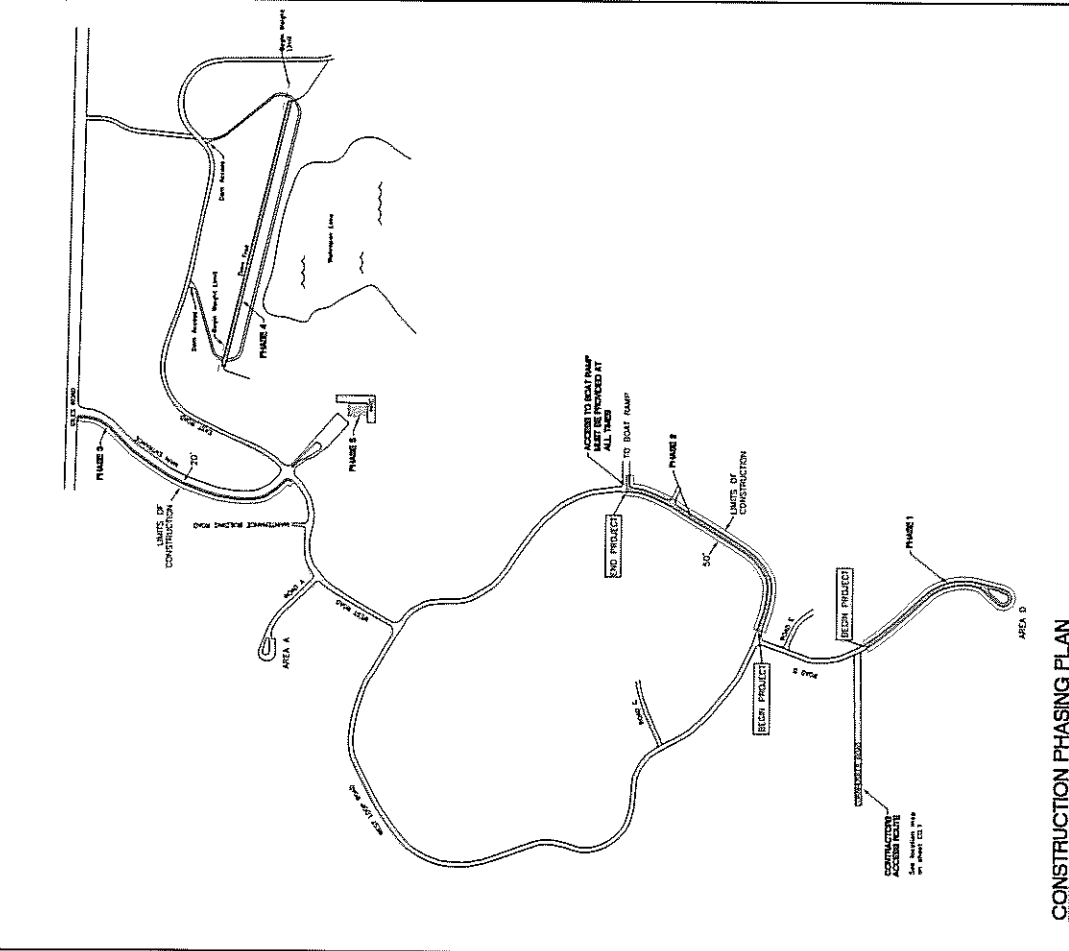
NO.	TITLE PAGE
CS.1	TYPICAL SECTIONS, DETAILS, PHASING, AND QUANTITIES
CS.2	ROSEBARD TRAIL CONSTRUCTION PLAN/PROFILE STA. 100+00 TO 110+42
CS.3	DAM TRAIL CONSTRUCTION PLAN/PROFILE STA. 500+00 TO 510+20
CS.4	SIDEWALK CONSTRUCTION AT THE IRC
CS.5	X 10+41.1 DAM TRAIL CROSS SECTIONS
ALTERNATE 1	LOOP ROAD RECONSTRUCTION PLAN/PROFILE STA. 62+58 TO 78+00
ALTERNATE 2	ROAD TO RECONSTRUCTION PLAN/PROFILE STA. 7+68 TO 18+29

**RUSSELL W. PAPPIO**  
STATE ENGINEER  
LICENSE NO. 1-10186

**SIDES & ASSOCIATES**  
P.E. Engineering & Surveying, Inc. Company  
1227 North 18th Street Omaha, NE 68114  
Phone 572-2225 Fax 572-0223

DESIGNED BY:	MIN	DATE:	JUN. 2009	DRAWN BY:	MIN	DATE:	JUN. 2009
CHECKED BY:	DFW	DATE:	JUN. 2009	SURVEYED:	SESS	DATE:	JUN. 2009
APPROVED BY:		DATE:		FIELD BOOK NO.			

1/4 SECTION SHEET CO.1



**CONSTRUCTION PHASING PLAN**  
NO SCALE

NO.	DATE	REVISIONS



DECIDED BY:    /    /     
 DRAWN BY:    /    /     
 CHECKED BY:    /    /   

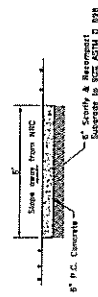
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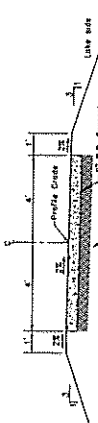
**SIDES & ASSOCIATES**  
 TRAFFIC ENGINEERING & SURVEYING, INC.  
 157 North 10th Street, Omaha, NE 68104  
 Phone: 402.421.2251 Fax: 402.421.2253

**TYPICALS, DETAILS, AND QUANTITIES**  
 2009 CHALCO HILLS RECREATION AREA IMPROVEMENTS

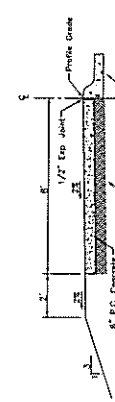
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 Sheet: C1.1



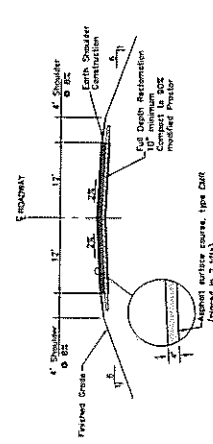
**TYPICAL NPC SIDEWALK**  
NO SCALE



**TYPICAL DAM TRAIL**  
NO SCALE

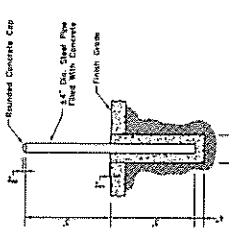


**TYPICAL BOULEVARD TRAIL**  
NO SCALE



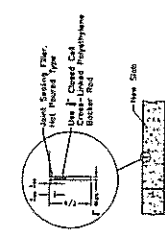
**TYPICAL ROADWAY RECONSTRUCTION DETAIL**  
NO SCALE

WEST LOOP ROAD STA. 62+50 - 76+80  
 ROAD D STA. 7+00 - 18+50

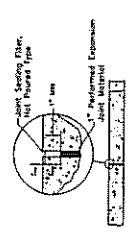


**BOLLARD**  
NO SCALE

NOTE:  
 1) Bollard reconstruction will be provided by the Owner. The bollard footing will be provided by the Contractor.  
 2) The Contractor shall coordinate bollard construction with the Owner before construction.  
 3) Components of the bollard footing shall be completed incidental to the bid items for which they are provided.



**SAWED CONTRACTION JOINT**  
NO SCALE



**EXPANSION JOINT**  
NO SCALE

ITEM	DESCRIPTION	QUANTITY	UNIT
1	REMOVE ASPHALT PAVEMENT (TRAIL)	1321	SY
2	REMOVE ASPHALT PAVEMENT	27	SY
3	REMOVE BRICK WALL	1	LS
4	GRADING	1	LS
5	CONSTRUCT 8" CONCRETE PAVEMENT	3302	SY
6	CRACK REPAIR	1	LS

ITEM	DESCRIPTION	QUANTITY	UNIT
1	FILL DEPTH RECLAMATION	7459	SY
2	APPLY 4" ASPHALT SURFACE	1095	TON
3	EARTH SHOULDER CONSTRUCTION	20	STA

Probable Construction Cost  
2009 CHALCO HILLS RECREATION AREA IMPROVEMENTS

**BASE PLAN - Concrete Trails**

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	ENGINEER	UNIT PRICE	DOSTALS	UNIT PRICE	TAB Const.	UNIT PRICE	Swain
1	REMOVE ASPHALT PAVEMENT (TRAIL)	1321.0	SY	\$4.00	\$5,284.00	\$6.30	\$8,322.30	\$7.10	\$9,379.10	\$3.94	\$5,204.74
2	REMOVE CONCRETE PAVEMENT	87.0	SY	\$10.00	\$870.00	\$11.50	\$1,000.50	\$7.00	\$609.00	\$4.90	\$426.30
3	REMOVE BLOCK WALL	125.0	LF	\$20.00	\$2,500.00	\$16.00	\$2,000.00	\$6.00	\$750.00	\$8.51	\$1,063.75
4	GRADING	1.0	LS	\$2,000.00	\$2,000.00	\$8,000.00	\$8,000.00	\$4,250.00	\$4,250.00	\$1,500.00	\$1,500.00
5	CONSTRUCT 6" CONCRETE PAVEMENT	3392.0	SY	\$27.00	\$91,584.00	\$29.00	\$98,368.00	\$25.45	\$86,326.40	\$28.08	\$95,247.36
6	CRACK REPAIR	1.0	LS	\$750.00	\$750.00	\$500.00	\$500.00	\$3,750.00	\$3,750.00	\$2,000.00	\$2,000.00
<b>TOTAL BASE</b>							\$118,190.80		\$105,064.50		\$105,442.15

**CONCRETE**

**ALTERNATE 1 - Park Roadways**

1	FULL DEPTH RECLAMATION	7459.0	SY	\$2.00	\$14,918.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2	CONSTRUCT ASPHALT SURFACE	1595.0	TON	\$65.00	\$103,675.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
3	EARTH SHOULDER CONSTRUCTION	26.0	STA	\$125.00	\$3,250.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>TOTAL ALTERNATE</b>							\$0.00		\$0.00		\$0.00
<b>GRAND TOTAL</b>							\$118,190.80		\$105,064.50		\$105,442.15

Probable Construction Cost  
 2009 CHALCO HILLS RECREATION AREA IMPROVEMENTS

**BASE PLAN - Concrete Trails**

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	ENGINEER	ASPHALT					
						UNIT PRICE	US ASPH.	UNIT PRICE	WESTERN ENG.	UNIT PRICE	ASPHALT SOL.
1	REMOVE ASPHALT PAVEMENT (TRAIL)	1321.0	SY	\$4.00	\$5,284.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2	REMOVE CONCRETE PAVEMENT	87.0	SY	\$10.00	\$870.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
3	REMOVE BLOCK WALL	125.0	LF	\$20.00	\$2,500.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4	GRADING	1.0	LS	\$2,000.00	\$2,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
5	CONSTRUCT 6" CONCRETE PAVEMENT	3392.0	SY	\$27.00	\$91,584.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6	CRACK REPAIR	1.0	LS	\$750.00	\$750.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>TOTAL BASE</b>					<b>\$102,988.00</b>						

**ALTERNATE 1 - Park Roadways**

1	FULL DEPTH RECLAMATION	7459.0	SY	\$2.00	\$14,918.00	\$3.80	\$28,344.20	\$1.58	\$11,785.22	\$5.00	\$37,295.00
2	CONSTRUCT ASPHALT SURFACE	1595.0	TON	\$65.00	\$103,675.00	\$65.10	\$103,834.50	\$63.65	\$101,521.75	\$75.86	\$120,996.70
3	EARTH SHOULDER CONSTRUCTION	26.0	STA	\$125.00	\$3,250.00	\$323.86	\$8,420.36	\$171.00	\$4,446.00	\$385.00	\$10,010.00
<b>TOTAL ALTERNATE</b>					<b>\$121,843.00</b>		<b>\$140,599.06</b>		<b>\$117,752.97</b>		<b>\$168,301.70</b>
<b>GRAND TOTAL</b>					<b>\$224,831.00</b>				<b>\$117,752.97</b>		<b>\$168,301.70</b>

Probable Construction Cost  
 2009 CHALCO HILLS RECREATION AREA IMPROVEMENTS

**BASE PLAN - Concrete Trails**

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	ENGINEER	UNIT PRICE	Ronco	UNIT PRICE	Premier
1	REMOVE ASPHALT PAVEMENT (TRAIL)	1321.0	SY	\$4.00	\$5,284.00	\$66.00	\$87,186.00	\$6.57	\$8,678.97
2	REMOVE CONCRETE PAVEMENT	87.0	SY	\$10.00	\$870.00	\$41.00	\$3,567.00	\$6.00	\$522.00
3	REMOVE BLOCK WALL	125.0	LF	\$20.00	\$2,500.00	\$41.00	\$5,125.00	\$5.00	\$625.00
4	GRADING	1.0	LS	\$2,000.00	\$2,000.00	\$10,554.00	\$10,554.00	\$3,000.00	\$3,000.00
5	CONSTRUCT 6" CONCRETE PAVEMENT	3392.0	SY	\$27.00	\$91,584.00	\$34.00	\$115,328.00	\$22.50	\$76,320.00
6	CRACK REPAIR	1.0	LS	\$750.00	\$750.00	\$1,167.00	\$1,167.00	\$2,500.00	\$2,500.00
				<b>TOTAL BASE</b>	<b>\$102,988.00</b>		<b>\$222,927.00</b>		<b>\$91,645.97</b>

**ALTERNATE 1 - Park Roadways**

1	FULL DEPTH RECLAMATION	7459.0	SY	\$2.00	\$14,918.00	\$0.00	\$0.00	\$0.00	\$0.00
2	CONSTRUCT ASPHALT SURFACE	1595.0	TON	\$65.00	\$103,675.00	\$0.00	\$0.00	\$0.00	\$0.00
3	EARTH SHOULDER CONSTRUCTION	26.0	STA	\$125.00	\$3,250.00	\$0.00	\$0.00	\$0.00	\$0.00
				<b>TOTAL ALTERNATE</b>	<b>\$121,843.00</b>		<b>\$0.00</b>		<b>\$0.00</b>
				<b>GRAND TOTAL</b>	<b>\$224,831.00</b>		<b>\$222,927.00</b>		<b>\$91,645.97</b>





February 10, 2009

Jerry Herbster  
Park Superintendent  
Papio-Missouri River – NRD  
8901 South 154<sup>th</sup> Street  
Omaha, NE 68138

RE: 2009 Chalco Hills Recreation Area Improvements  
Review of Bids Received February 3, 2009

Dear Jerry,

We have reviewed the bids as received on February 3, 2009 for the above referenced project. The intent of the project was to get a Contractor to bid both the Base plan and Alternate plan. We ended up with two separate Contractors as shown below:

For the Base Plan, we recommend that the lowest and best bid be awarded to Tab Construction in the total base bid amount of \$105,064.50 (see page two for explanation for not recommending the low bid). The following BASE bids were received:

CONTRACTOR	TOTAL BID
Premier Development & Construction	91,645.97
Tab Construction	105,064.50
Swain Construction	105,442.15
Dostals Construction	118,190.80
Ronco Construction	222,927.00
Engineers Estimate	102,988.00

For the Alternate Plan, we recommend that the lowest and best bid be awarded to Western Engineering in the total base bid amount of \$117,752.97. The following ALTERNATE bids were received:

CONTRACTOR	TOTAL BID
Western Engineering	117,752.97
US Asphalt	140,599.06
Asphalt Solutions	168,301.70
Engineers Estimate	121,843.00

Total of bids \$222,817.47 – Engineers Estimate \$224,831.00. If you have any questions or comments, please give me a call.

Respectfully Submitted,  
R.W. Engineering & Surveying, Inc.  
dba SIDES & ASSOCIATES

Russell W. Falconer, PE  
*President*

Explanation for not recommending the low bid:

1. Proposal requirements include listing five similar projects in size and scope – Premier only list four projects and only one project is similar in size and scope.
2. Research into their one similar project resulted in a less than favorable response. The City of Omaha was not happy with their current work and level of participation. I am told things are improving.
3. Second low bid did list five similar projects and all are similar in size and scope. The second low bid Contractor has completed one phase of trail reconstruction at Chalco and the project went very well.
4. Premier is not a registered Contractor with the Nebraska Department of Revenue. This is a requirement of all Contractors.
5. Premier is not a registered Contractor with the Nebraska Department of Labor. This is a requirement of all Contractors.
6. We as the resident project representative were hired on a part time basis to provide construction inspection, a Contractor with limited experience on similar projects may require more oversight.
7. A testing lab will be hired for material verification and testing and that amount is paid for by the PMR-NRD. A Contractor with limited experience may require more frequent testing.