

Stantec Consulting Services Inc. 7000 Yellowtail Rd, Chevenne, WY 82009

Date: June 15, 2021 File: 227701134

Attention:

Mr. Richard Krulish Cherry Creek Project Water Authority 5242 Old Schoolhouse Road Parker, CO 80134

Dear Mr. Krulish,

Reference: Walker Reservoir Bid Recommendation

As your aware, Bids were opened for the Walker Reservoir Project at 3:00 pm on June 7th, 2021. A summary of results is provided below:

Table 1: Walker Reservoir Bid Summary

Contractor:	Zak Dirt	HEI Civil	HPM	American Civil				
			Contracting	Constructors				
Base Bid	\$11,736,385.00	\$10,759,515.00	\$10,694,949.00	\$12,198,218.00				
Alternates	\$793,010.00	\$1,065,245.00	\$881,270.00	\$982,649.00				
Total	\$12,529,395	\$11,824,760.00	\$11,576,219.00	\$13,180,867.00				

We completed a detailed review of the apparent low Bid from HPM Contracting (HPM) and found it to be generally responsible and responsive to the Bidding Documents. We note the following regarding HPM's Bid:

- The written unit price for Alternate 2 is incorrect.
- Suppliers were not listed in detail equal to other Bids.
 - o Sub-Contractors were listed on the form provided with the Bidding Documents.
- HPM's price for Site Reclamation was 78% lower than the average of other Bids, and 81% lower than the Engineer's estimate.
 - We requested and received their Basis of Bid for this item (attached), and recommend it be attached by exhibit to the Agreement.

We also reiterate our previous concerns and dissatisfaction with HPM contacting Douglas County regarding active permits during Bidding. However, we do not consider any of the above issues grounds for dismissal and recommend awarding the Walker Reservoir Project, including all Alternates, to HPM. As discussed, Bid alternates may be selected at the discretion of the Cherry Creek Project Water Authority and as budget allows.

We have attached the complete tabulation of all Bids for your reference. Please note that the average of all Bids received was \$12,079,557.75, and the final Engineer's Opinion of Costs was \$12,093,252.00.

June 15, 2021 Mr. Richard Krulish Page 2 of 2

Walker Reservoir Bids Reference:

As always, feel free to contact me at any time to discuss our recommendation.

Regards,

Stantec Consulting Services Inc.

Pamela Massaro, PE

Principal Cell: 612-968-9608

pamela.massaro@stantec.com

Tanuel A. K. Marsan

Attachments: Walker Bid Tabulation, HPM Reclamation Basis of Bid

ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST WALKER RESERVOIR PROJECT CHERRY CREEK PROJECT WATER AUTHORITY March 26, 2021		Zak's Dirt			HEI Civil			HPM Contracting				American Civil Constructors										
Item No. Description	Unit Es	stimated Quantity	Unit Price (USD per Unit)	Subtotal by Item (USD)	Item No. Description	Estimated Quantity	Unit Price (USD per Unit)	Subtotal by Item (USD)	Item No.		Unit Price USD per Unit)	Subtotal by Item (USD)	Item No.	Estimated Quantity	Unit Price (USD per Unit)	Subtotal by Item (USD)	Item No.	Estimated Quantity	Unit Price (USD per Unit)	Subtotal by Item (USD)	Unit Ave	Subtotal Ave
1 Mobilization	LS	uantity 1	\$1,099,387	\$1,099,387	1 Mobilization	Quantity	\$944,000,00	\$944,000.00	1	,	61.066.700.00	\$1,066,700,00	1	Quantity	\$1,069,400,00	\$1,069,400.00	1	Quantity	\$1,200,000.00	\$1,200,000,00	\$1,070,025.00	\$1,070,025.00
2 Sedimentation Control	LS	1	\$215,000	\$215,000	2 Bonds and Insurance	1	\$102,000.00	\$102,000.00	2	1	\$64,000.00	\$64,000.00	2	1	\$320.820.00	\$320,820,00	2	1	\$350,000.00	\$350,000.00	\$209.205.00	\$209,205,00
3 Dewatering & Diversion	LS	1	\$235,000	\$235,000	3 Construction Surverying	1	\$107,000.00	\$107,000.00	3	1	\$87,500.00	\$87,500.00	3	1	\$50,000.00	\$50,000.00	3	1	\$137,000.00	\$137,000.00	\$95,375.00	\$95,375.00
4 Topsoil Stripping and Stockpiling	CY	16,000	\$10.00	\$160,000	4 Grading, Erosion, and Sedimentation Control	1	\$105,000.00	\$105,000.00	4	1	\$89,250.00	\$89,250.00	4	1	\$534,700.00	\$534,700.00	4	1	\$65,000.00	\$65,000.00	\$198,487.50	\$198,487.50
5 Topsoil Placement	CY	16,000	\$12.00	\$192,000	5 Dewatering and Diversion	1	\$205,000.00	\$205,000.00	5	1	\$115,600.00	\$115,600.00	5	1	\$212,000.00	\$212,000.00	5	1	\$285,000.00	\$285,000.00	\$204,400.00	\$204,400.00
6 Demolition	LS	1	\$25,000	\$25,000	6 Topsoil Stripping and Stockpiling	16,000	\$2.60	\$41,600.00	6	16,000	\$3.80	\$60,800.00	6	16,000	\$4.50	\$72,000.00	6	16,000	\$3.70	\$59,200.00	\$3.65	\$58,400.00
7 Culverts	EA	3	\$9.000	\$27,000	7 Topsoil Placement	16,000	\$4.30	\$68.800.00	7	16,000	\$2.85	\$45,600.00	7	16,000	\$2.30	\$36,800.00	7	16.000	\$3,45	\$55,200,00	\$3.23	\$51,600,00
8 General Excavation	CY 5	584,300	\$2.80	\$1,636,040	8 Demolition	1	\$55,000.00	\$55,000.00	8	1	\$326,600.00	\$326,600.00	8	1	\$22,619.00	\$22,619.00	8	1	\$11,000.00	\$11,000.00	\$103,804.75	\$103,804.75
9 Rock Excavation	CY	200	\$70.00	\$14,000	9 Culverts	6	\$3,225.00	\$19,350.00	9	6	\$2,125.00	\$12,750.00	9	6	\$6,000.00	\$36,000.00	9	6	\$5,200.00	\$31,200.00	\$4,137.50	\$24,825.00
10 General Embankment Fill	CY 1	134,300	\$5.50	\$738,650	10 General Excavation	475,000	\$4.80	\$2,280,000.00	10	475,000	\$3.48	\$1,653,000.00	10	475,000	\$2.85	\$1,353,750.00	10	475,000	\$5.98	\$2,840,500.00	\$4.28	\$2,031,812.50
11 Structure Backfill	CY	7,000	\$14.00	\$98,000	11 Rock Excavation	200	\$55.00	\$11,000.00	11	200	\$53.00	\$10,600.00	11	200	\$54.00	\$10,800.00	11	200	\$75.45	\$15,090.00	\$59.36	\$11,872.50
12 Supply Pipelines	LF	435	\$195	\$84,825	12 General Embankment Fill	57,000	\$6.00	\$342,000.00	12	57,000	\$4.65	\$265,050.00	12	57,000	\$1.65	\$94,050.00	12	57,000	\$1.46	\$83,220.00	\$3.44	\$196,080.00
13 Slurry Wall Pipeline Crossings	EA	3	\$15,000	\$45,000	13 Structure Backfill	1,900	\$69.00	\$131,100.00	13	1,900	\$70.25	\$133,475.00	13	1,900	\$77.00	\$146,300.00	13	1,900	\$103.12	\$195,928.00	\$79.84	\$151,700.75
14 Inlet Spillway-Grouted Riprap		2,650	\$240	\$636,000	14 Reservoir Supply Pipelines	435	\$425.00	\$184,875.00	14	435	\$379.00	\$164,865.00	14	435	\$422.00	\$183,570.00	14	435	\$357.00	\$155,295.00	\$395.75	\$172,151.25
15 Inlet Spillway-Concrete Header	CY	33	\$1,000	\$33,000	15 Slurry Wall Pipeline Crossings	2	\$24,000.00	\$48,000.00	15	2	\$18,125.00	\$36,250.00	15	2	\$35,000.00	\$70,000.00	15	6	\$13,800.00	\$82,800.00	\$22,731.25	\$59,262.50
16 Inlet Spillway-Turf Reinforceme	nt Mats SY	8,600	\$4.50	\$38,700	16 Foundation Surface Preparation	1,300	\$135.00	\$175,500.00	16	1,300	\$114.00	\$148,200.00	16	1,300	\$22.00	\$28,600.00	16	1,300	\$53.00	\$68,900.00	\$81.00	\$105,300.00
17 Rock Trenches	LF	375	\$660	\$247,525	17 Pump Excavation and Backfill	1	\$525,000.00	\$525,000.00	17	1	\$412,375.00	\$412,375.00	17	1	\$466,000.00	\$466,000.00	17	1	\$1,256,000.00	\$1,256,000.00	\$664,843.75	\$664,843.75
18 Foundation Surface Preparation	SY	1,300	\$25.00	\$32,500	18 Pump Station-Intake Structure	1	\$45,000.00	\$45,000.00	18	1	\$66,995.00	\$66,995.00	18	1	\$27,000.00	\$27,000.00	18	1	\$26,500.00	\$26,500.00	\$41,373.75	\$41,373.75
19 Pump Station-Intake Structure	LS	1	\$160,000.00	\$160,000	19 Pump Station-Intake Conduit	175	\$1,970.00	\$344,750.00	19	175	\$982.00	\$171,850.00	19	175	\$1,260.00	\$220,500.00	19	175	\$1,025.00	\$179,375.00	\$1,309.25	\$229,118.75
20 Pump Station-Intake Conduit	LF	175	\$2,150.00	\$376,250	20 Pump Station-Tower Concrete	515	\$1,150.00	\$592,250.00	20	515	\$1,666.00	\$857,990.00	20	515	\$1,390.00	\$715,850.00	20	515	\$1,300.00	\$669,500.00	\$1,376.50	\$708,897.50
21 Pump Station-Tower Concrete	CY	515	\$1,750.00	\$901,250	21 Pump Station-Mechanical	1	\$625,000.00	\$625,000.00	21	1	\$452,595.00	\$452,595.00	21	1	\$595,000.00	\$595,000.00	21	1	\$614,000.00	\$614,000.00	\$571,648.75	\$571,648.75
22 Pump Station-Mechanical	LS	1	\$475,000	\$475,000	22 Pump Station-Building	1	\$275,000.00	\$275,000.00	22	1	\$418,215.00	\$418,215.00	22	1	\$210,000.00	\$210,000.00	22	1	\$345,000.00	\$345,000.00	\$312,053.75	\$312,053.75
23 Pump Station-Building	LS	1	\$270,000	\$270,000	23 Pump Station-Electrical and Instrumentation	1	\$430,000.00	\$430,000.00	23	1	\$444,515.00	\$444,515.00	23	1	\$386,000.00	\$386,000.00	23	1	\$394,000.00	\$394,000.00	\$413,628.75	\$413,628.75
Pump Station-Electrical and													24	665	\$186.00	\$123,690.00	24					
24 Instrumentation	LS	1	\$175,000	\$175,000	24 Delivery Pipeline	665	\$210.00	\$139,650.00	24	665	\$191.00	\$127,015.00	24	003		\$123,070.00	2-1	665	\$194.00	\$129,010.00	\$195.25	\$129,841.25
25 Delivery Pipeline	LF	665	\$125	\$83,125	25 Delivery Outlet Structure	1	\$125,000.00	\$125,000.00	25	1	\$53,675.00	\$53,675.00	25	1	\$54,000.00	\$54,000.00	25	1	\$26,500.00	\$26,500.00	\$64,793.75	\$64,793.75
26 Delivery Outlet Structure	LS	1	\$50,000	\$50,000	26 SCADA	1	\$42,000.00	\$42,000.00	26	1	\$51,680.00	\$51,680.00	26	1	\$37,000.00	\$37,000.00	26	1	\$36,000.00	\$36,000.00	\$41,670.00	\$41,670.00
27 SCADA	LS	1	\$125,000	\$125,000	27 Slurry Wall Work Pad	1	\$510,000.00	\$510,000.00	27	1	\$286,635.00	\$286,635.00	27	1	\$402,000.00	\$402,000.00	27	1	\$337,400.00	\$337,400.00	\$384,008.75	\$384,008.75
28 Slurry Wall		355,000	\$9.75	\$3,461,250	28 Slurry Wall	355,000	\$5.40	\$1,917,000.00	28	355,000	\$7.35	\$2,609,250.00	28	355,000	\$8.50	\$3,017,500.00	28	355,000	\$5.73	\$2,034,150.00	\$6.75	\$2,394,475.00
29 Slurry Wall-Testing/Commission	0	1	\$50,000	\$50,000	29 Slurry Wall-Testing/Commissioning	1 2 700	\$175,000.00	\$175,000.00	29	1 2.500	\$269,370.00	\$269,370.00	29	2.500	\$93,000.00	\$93,000.00	29	2.500	\$88,300.00	\$88,300.00	\$156,417.50	\$156,417.50
30 Access Road 31 Site Reclamation	SY 2	,500.00	\$15.50 \$370,000	\$38,750 \$370,000	30 Access Road 31 Site Reclamation	2,500	\$17.00 \$335,000.00	\$42,500.00 \$335,000.00	30	2,500	\$14.50 \$220,865.00	\$36,250.00 \$220,865.00	30	2,500	\$14.00 \$71,000.00	\$35,000.00 \$71,000.00	30	2,500	\$10.70 \$400,400.00	\$26,750.00 \$400,400.00	\$14.05 \$256,816.25	\$35,125.00 \$318,755.00
31 Site Reciamation	LS	1	\$370,000	\$3 /0,000	31 Site Reciamation	1	\$335,000.00 Subtotal	\$10,943,375.00	31	1	\$220,865.00 Subtotal	\$10,759,515.00	- 31	1	\$/1,000.00 Subtotal	\$10,694,949.00	- 31	1	Subtotal	\$12,198,218.00	\$256,816.25 Subtotal	\$11,149,014,25
1					A-1 Inlet Spillway-Grouted Riprap	2 (50		\$500,850.00	Α.1	2,650	\$255.00	\$675,750.00	A-1	2,650	\$230.00	\$609,500.00	A-1	2,650	\$283.00	\$749,950.00		\$634.012.50
			Total	\$12,093,252	A-1 Inlet Spillway-Grouted Riprap A-2 Inlet Spillway-Concrete Header	2,650	\$189.00 \$1,120.00	\$36,960.00	A-1 A-2	2,650	\$255.00 \$1,670.00	\$675,750.00	A-1 A-2	2,630	\$1,305.00	\$43,065.00	A-1 A-2	2,650	\$283.00 \$553.00	\$18,249.00	\$239.25 \$1,162.00	\$34,012.50
			Total	Ø12,093,232	A-3 Inlet Spillway-Concrete Header A-3 Inlet Spillway-Turf Reinforcement Mats	8,600		\$60,200.00	A-2 A-3	8,600	\$20.35	\$175,010.00	A-2 A-3	8.600	\$1,303.00	\$43,063.00	A-2 A-3	8.600	\$5.75	\$49,450.00	\$1,102.00	\$87,935.00
					A-4 Rock Trenches	375	\$520.00	\$195,000.00	A-3 A-4	375	\$425.00	\$159,375.00	A-3 A-4	375	\$431.00	\$161,625.00	A-3 A-4	375	\$440.00	\$165,000.00	\$454.00	\$170,250.00
						1	Subtotal	\$793,010.00			Subtotal	\$1,065,245.00			Subtotal	\$881,270.00			Subtotal	\$982,649.00	Subtotal	\$930,543.50
Grand Total				\$ 12,093,252.00																		
							TOTAL	\$11,736,385.00				\$11,824,760.00				\$11,576,219.00				\$13,180,867.00	Total	\$12,079,557.75

Pamela A. Massaro

From: Matt Adams <matt.adams@hpmcontracting.com>

Sent: Friday, June 11, 2021 1:59 PM **To:** Pamela A. Massaro; Marcus J. Krall

Cc: Richard Krulish
Subject: RE: Walker

[EXTERNAL EMAIL]

Good afternoon Pamela and Marcus,

I appreciate the phone call this afternoon. Per our discussion, and your request below, HPM is providing our basis of bid for Item 31 – Site Reclamation.

In accordance with Specification Section 01025 – Measurement and Payment, paragraph 31.b, it states that "the price shall include all labor, equipment, and material costs of reclaiming and revegetating all disturbed areas in accordance with the Specifications and Contract Documents." Our reading of this bid item includes items specific to reclaiming and revegetating, which includes seed and mulch application, in accordance with the Specifications and Contract Documents, for all disturbed areas. More specifically, we have included as part of this bid item:

- Revegetation including seeding and mulch, per the Specifications and Contract Documents, inclusive of the warranty period identified in the Specifications, for the entirety of the disturbed areas of the project
- Cultivation and planting of 200 sandbar willow stakes along Cherry Creek in the project area to enhance the riparian area in the area where the outlet would be placed

Please note that any other scopes of work that might be considered restoration, such as erosion control items (i.e. silt fence, logs, erosion mat, etc.), site grading restoration (i.e. finish grading, final contours), or riprap placement, rock placement, etc., were included in their respective bid items (i.e. erosion control, general excavation/embankment, and/or delivery pipeline/delivery outlet structure), based on our understanding of the bid items.

Something that was brought up during the call was our inclusion of conditions of the U.S. Fish and Wildlife Biological Opinion (FWS-NE 2019-109), referenced in Section 01035, Part 1.01 – Owner Supplied Permits, and included in the Appendix B USACE Nationwide Permit Verification NWO-2017-02322-DEN (page 17 of 34, dated June 25, 2019). This document appears to describe the impacts that this project would have on the surrounding habitat, and did not identify specific construction related conditions that would need to be followed. However, a previous opinion (NWO-2017-02322-DEN), dated March 20, 2019, described the following conditions:

- Revegetating all temporarily disturbed areas with native seed mixes to reduce erosion (riparian and upland seed mix lists provided in the Project BA). **THIS IS INCLUDED IN OUR BID**
- Planting 200 sandbar willow stakes along Cherry Creek in the project area to enhance the riparian area in the area where the outlet would be placed. **THIS IS INCLUDED IN OUR BID**
- Mature cottonwood tree and peachleaf willow would be planted to replace removed trees. WE DO NOT
 ANTICIPATE THE NEED TO DO THIS, BUT WOULD ADHERE TO THIS IF OUR MEANS/METHODS REQUIRED
- Installation of barrier fencing around the perimeter of the identified disturbance area. THIS IS INCLUDED IN OUR
 BID
- Trim willow in access area to allow vehicle access while retaining willow to promote regeneration of root structure following construction. **THIS IS INCLUDED IN OUR BID**
- Construction would occur during the hibernation period for Preble's. THIS IS UNDERSTOOD AND TAKEN INTO
 ACCOUNT
- Conduct weed control in the mitigation and enhancement area. THIS IS INCLUDED IN OUR BID
- Installation of erosion control measures. THIS IS INCLUDED IN OUR BID

In summary, HPM performed a detailed estimating analysis of the Walker Reservoir project, inclusive of permit related requirements, using good faith and standard estimating practices. We have revisited our estimate post bid and substantiated and confirmed that our bid is sound.

If you should have any further questions regarding our proposal, I am available at your convenience.

Thank you,



Matt Adams

Vice President
HPM, Inc.
p: 720-464-6736 m: 503-705-5471
a: 9781 S Meridian BLVD, Suite 120
Englewood, CO 80112
w:hpmcontracting.com
e: matt.adams@hpmcontracting.com



From: Pamela A. Massaro <pmassaro@wenck.com>

Sent: Friday, June 11, 2021 11:55 AM

To: Matt Adams <matt.adams@hpmcontracting.com>

Cc: Richard Krulish rkrulish@pinerywater.com; Marcus J. Krall mailto:krall@wenck.com

Subject: Walker

Please provide HPM's basis of Bid for Item 31-Site Reclamation before 9am Monday June 14.

Pakm

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