



AGENDA

IDAHO WATER RESOURCE BOARD

Special Board Meeting No. 9-23

Tuesday, November 28, 2023

Noon (MT) / 11:00 a.m. (PT)

Water Center

Conference Rooms 602 C & D

322 E. Front St.

BOISE

Brad Little

Governor

Jeff Raybould

Chairman

St. Anthony

At Large

Jo Ann Cole-Hansen

Vice Chair

Lewiston

At Large

Dean Stevenson

Secretary

Paul

District 3

Dale Van Stone

Hope

District 1

Albert Barker

Boise

District 2

Brian Olmstead

Twin Falls

At Large

Marcus Gibbs

Grace

District 4

Patrick McMahon

Sun Valley

At Large

Livestream available at <https://www.youtube.com/@iwrp>

1. Roll Call
2. Mountain Home Air Force Base Water Resilience Project Design Build Contract*
3. Non-Action Items for Discussion
4. Next Meeting & Adjourn

* Action Item: A vote regarding this item may be made at this meeting. Identifying an item as an action item on the agenda does not require a vote to be taken on the item. **Americans with Disabilities:** If you require special accommodations to attend, participate in, or understand the meeting, please make advance arrangements by contacting Department staff by email jennifer.strange@idwr.idaho.gov or by phone at (208) 287-4800.

Memorandum

To: Idaho Water Resource Board
From: Mike Morrison
Date: November 27th, 2023
Re: Mountain Home Air Force Base Water Resilience Project: Request for IMCO contract approval and request for approval of funds



REQUIRED ACTION: The Board will consider approval of a fixed-price Design-Build contract with IMCO construction and will consider a resolution approving up to \$30,000,000 funding for the project.

Project Update

Design-Build Contract with IMCO Construction: Staff has concluded contract negotiations with IMCO Construction to design, build, and test a water transmission system that will deliver water to Mountain Home AFB from CJ Strike Reservoir. IMCO's fixed-price bid of \$26,439,000 bid was significantly below the Engineer's \$38,481,750 estimate or either of the other two bids submitted for this project. Staff believes IMCO to be well qualified to do this work.

Highlights of IMCO's Proposal: IMCO's proposal includes innovative strategies that may obviate the need for some long lead-time electrical equipment. In the event that these strategies are not acceptable to Idaho Power Company, IMCO has agreed to absorb any differential costs needed to complete the project.

IMCO proposes using a Concrete Masonry Unit pumphouse structure that should meet the Air Force's Anti-Terrorism requirements; however, doors and other openings in the structure may be vulnerable to blast. IMCO has agreed to revisit their design and modify it to assure that it meets the Air Force's Anti-Terrorism requirements at no additional cost to the Board.

IMCO's exceptionally low trench costs were obtained assuming the shallowest trenches allowable by code. In some places, such as Bureau of Land Management lands, required burial depths may be as shallow as two and a half feet. The requirements referenced in the Board's MOA with the Air Force only require a two-foot burial depth. In the event that the Air Force requires deeper burial depths for acceptance, the Board may need to approve a contract amendment and additional money to deepen selected portions of the trench.

Request for Funding: In September, 2022 the Board approved \$5,000,000 for this project. Staff requests that the Board approve an additional \$30,000,000.

Resolution: Staff requests that the Board consider approval of the attached fixed-price Design-Build contract with IMCO Construction. Staff also requests that the Board authorize expenditure of up to

\$30,000,000 (\$35,000,000 total) from ARPA funds allocated to the Board to defray construction and related costs.

BEFORE THE IDAHO WATER RESOURCE BOARD

IN THE MATTER OF THE CONSTRUCTION OF A
WATER PIPELINE TO THE MOUNTAIN HOME AIR
FORCE BASE

RESOLUTION TO APPROVE CONTRACTING
WITH IMCO CONSTRUCTION AND TO
AUTHORIZE FUNDS FROM THE ARPA STATE
FISCAL RECOVERY FUND AND PROVIDE
SIGNATORY AUTHORITY

1 WHEREAS, Mountain Home Air Force Base (MHAFB), an active-duty United States Air Force base,
2 derives its municipal water supplies exclusively from ground water pumped from the Mountain Home
3 Plateau aquifer in Elmore county; and
4

5 WHEREAS, ground water levels in the Mountain Home Plateau aquifer are in decline, the area
6 surrounding MHAFB has been designated as a ground water management area, and there are concerns
7 about the possible contamination of the Mountain Home Plateau aquifer that supply MHAFB; and
8

9 WHEREAS, the Air Force is contemplating increase in the base's population, and ground water
10 supplies are presently inadequate to meet future long-term needs of MHAFB; and
11

12 WHEREAS, the Idaho Water Resource Board (IWRB) is a constitutional agency of the State of
13 Idaho, organized, existing, and operating pursuant to Article XV, Section 7 of the Idaho Constitution and
14 Idaho Code § 42-1732 through § 42-1780, which has authority to construct and operate water projects
15 and to acquire, purchase, lease, or exchange land, rights, water rights, or other property related to water
16 projects; and
17

18 WHEREAS, House Bill 479, passed in March 2014, provided \$4 million to the IWRB for the
19 acquisition of senior priority Snake River water rights, to supply the MHAFB with a reliable supply of
20 surface water; and
21

22 WHEREAS, the IWRB has secured right-of-way easements from the Bureau of Land Management
23 that define the water transmission system's pipeline alignment; and
24

25 WHEREAS, the American Rescue Plan Act (ARPA), Pub. L. 117-2 subtitle M (2021), appropriated
26 \$219,800,000,000 to the Coronavirus State and Local Fiscal Recovery Fund (SLFRF) for making payments
27 to the States to mitigate the fiscal effects stemming from the public health emergency with response to
28 the Coronavirus disease; and
29

30 WHEREAS, the SLFRF funds may be used to, among other things, make necessary investments in
31 water, sewer, or broadband infrastructure. Pub L. 117-2 sec. 602(c)(1)(D), 42 U.S.C. § 802(c)(D); and
32

33 WHEREAS, eligible uses of the SLFRF include projects that would be eligible to receive financial
34 assistance through the Drinking Water State Revolving Fund (DWSRF), 40 CFR 35.3520; and
35
36
37

38 WHEREAS, the DWSRF may be used for the rehabilitation of wells or development of eligible
39 sources to replace contaminated water sources, 40 CFR 3520(b)(2)(iii); and
40

41 WHEREAS, the SLFRF funds may also be used for projects that meet the requirements of the
42 DWSRF and also support drinking water needs for a reasonable amount of increased population growth,
43 31 CFR § 35.6(e)(1)(v); and
44

45 WHEREAS, in 2022 the Idaho Legislature passed House Bill 769 in which it expressed its intent to
46 set aside approximately \$250,000,000 of ARPA funding to support projects managed by the IWRB,
47 including construction of a water delivery pipeline project, which includes a pipeline, pumpstation, and
48 other appurtenances, for MHAFB; and
49

50 WHEREAS, House Bill 769 appropriated \$100,000,000 from the ARPA State Fiscal Recovery Fund
51 for Fiscal Year 2023 to support projects managed by the IWRB, including for the construction of a water
52 delivery pipeline project for MHAFB, and Senate Bill 1181 appropriated an additional \$50,000,000 from
53 the same fund for the same purpose for Fiscal Year 2024; and
54

55 WHEREAS, on September 16, 2022 the Board authorized expenditure of \$5,000,000 from the
56 ARPA State Fiscal Recovery Fund for the development and construction of a water delivery pipeline project
57 for Mountain Home Air Force Base, Board Resolution 28-2022; and
58

59 WHEREAS, the Board has negotiated a \$26,439,000 contract with IMCO Construction to design,
60 build, and test a Water Transmission System consisting of an intake, pumping station, and pipeline that
61 will deliver water from CJ Strike Reservoir to a water treatment plant at Mountain Home AFB.
62

63 NOW THEREFORE BE IT RESOLVED that the IWRB approves of contracting with IMCO to design,
64 build, and test the Water Transmission System.
65

66 NOW THEREFORE BE IT RESOLVED that the IWRB authorizes expenditures of \$35,000,000,
67 including \$5,000,000 already approved by the Board, from the ARPA State Fiscal Recovery Fund for the
68 development and construction of the Mountain Home AFB Water Transmission System. Further
69 authorizations will be required upon determination of total development and construction costs.
70

71 NOW THEREFORE BE IT FURTHER RESOLVED that the IWRB authorizes its chairman, to execute
72 the necessary agreements or contracts for the purpose of this resolution.
73

DATED this 28th day of November, 2023.

JEFF RAYBOULD, Chairman
Idaho Water Resource Board

ATTEST _____
DEAN STEVENSON, Secretary

Resolution No. _____

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MHAFB Water Resilience Project



Design-Build Contract Approval and Funding Request

Dr. Mike Morrison, P.E.

Water Planning/Projects Bureau Engineer

Contract Approval and Funding Request

- Contract Overview
- Introductions
- IMCO's Proposal-Highlights
- Project Cost
- Schedule
- Request for Funding



Contract Overview: Fixed Price Design-Build Contract

- Fixed Price: \$26,439,000
- Design Builder: The IMCO team will design, build, and test will an intake, pumping station, and pipeline from CJ Strike Reservoir to a Water Treatment Plant, to be built by the Air Force, at MHAFB.

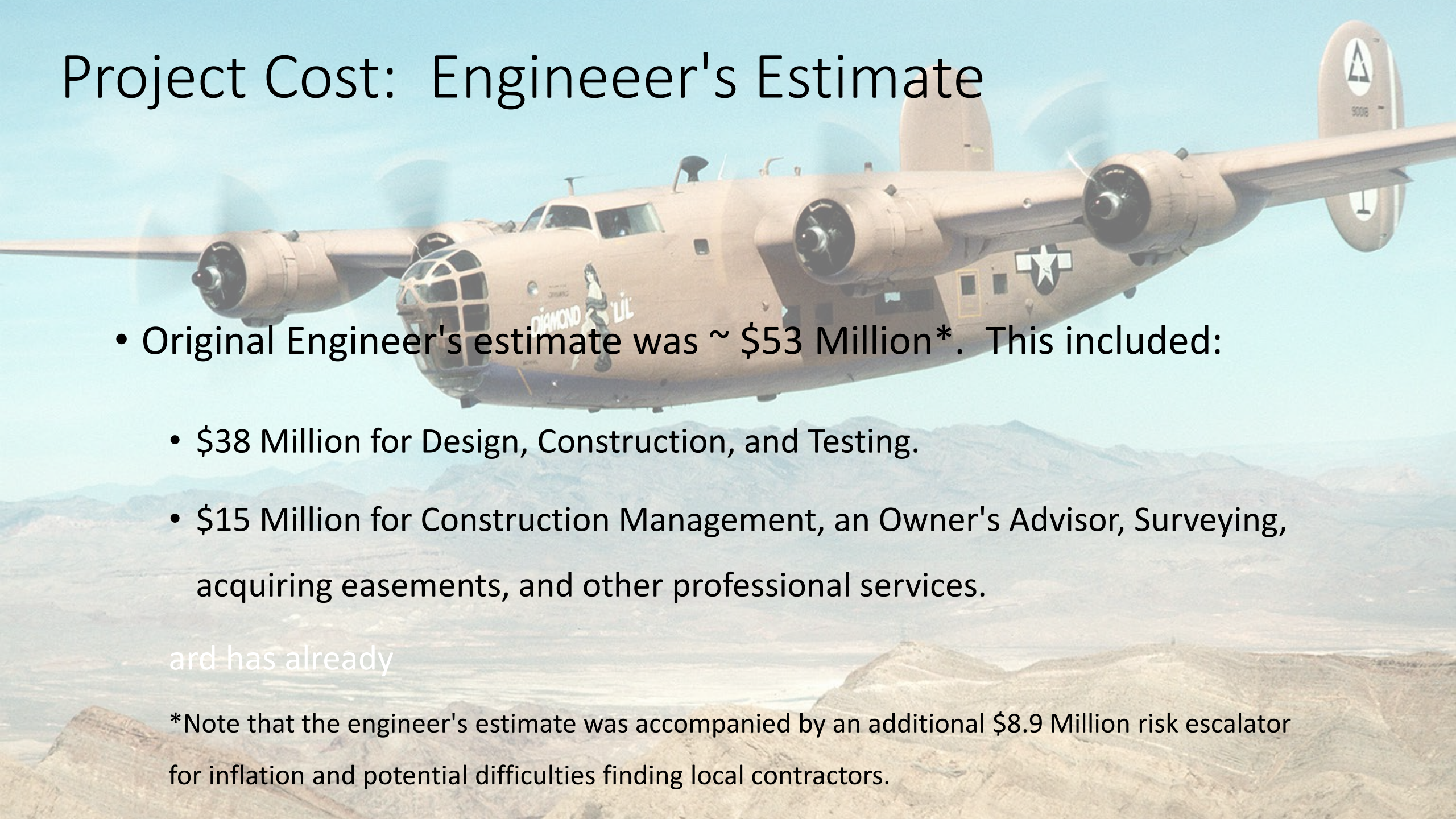


The IMCO Team: IMCO + Stantec

- Stantec will design the system
- IMCO will build it.
- One of three pre-qualified Design-Build teams to bid on this contract.
- Substantial experience with in-water projects of similar and larger scope.

03/02/2017 10:

Project Cost: Engineer's Estimate

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- A B-24 Liberator bomber aircraft is shown in flight against a clear blue sky. The aircraft is a four-engine, medium bomber with a high-wing configuration. It features a nose gun turret, a tail gun turret, and a central fuselage with a large bomb bay door. The aircraft is painted in a light tan color with dark markings. On the side of the fuselage, there is a graphic of a woman in a swimsuit and the text "DIAMOND LIL". The tail fin has a white triangle with a black border and the number "9008" below it. The aircraft is flying over a desert landscape with mountains in the background.
- Original Engineer's estimate was ~ \$53 Million*. This included:
 - \$38 Million for Design, Construction, and Testing.
 - \$15 Million for Construction Management, an Owner's Advisor, Surveying, acquiring easements, and other professional services.

ard has already

*Note that the engineer's estimate was accompanied by an additional \$8.9 Million risk escalator for inflation and potential difficulties finding local contractors.

IMCO's Proposal--Highlights

- Includes innovative strategies that may obviate the need for some long lead-time electrical items.
- Concrete Masonry Unit Pumphouse. May require some hardening to meet Anti-Terrorism Requirements.
- Low trench costs are attained by using the shallowest trenches allowable by code.

Schedule

1 Dec 2023: Contract Approved (Hard Date)

Jan 2024: Begin purchasing long lead-time items

May 2024: Complete Design package. Begin work outside canyon rim.

August 2024: Begin In-Canyon Work.

Oct 2024: Pipeline Construction Complete.

May 2025 In-Canyon (intake, pump station, penstock) complete

June 2025: Acceptance Testing Complete

July 2025: Hand-off to Air Force



Funding Request

- Board has already funded \$5,000,000 for this project.
- We are requesting an additional \$30,000,000.
- Total Requests to Date: \$35,000,000



Questions?

