

**THE UNIVERSITY OF WYOMING
BOARD OF TRUSTEES MEETING
Wednesday, February 15, 2017
Laramie, Wyoming**

Revised February 13, 2017

AGENDA ITEM TITLE:

Engineering Education and Research Building – Guaranteed Maximum Price, Mai

CHECK THE APPROPRIATE BOX(ES):

- Work Session
- Education Session
- Information Item
- Other Specify: Committee of the Whole (Items for Approval)

BACKGROUND AND POLICY CONTEXT OF ISSUE:

The Engineering Education and Research Building (EERB) will deliver new spaces necessary to support the University of Wyoming’s goal of developing the College of Engineering and Applied Science (CEAS) into a Tier 1 (top quartile) education and research program. The mission of the College of Engineering and Applied Sciences (CEAS) is to provide excellent teaching, research, and service in chosen fields of engineering and applied science. The College emphasizes connectivity with society, an attitude of life-long learning, and provides its graduates with the essential problem-solving and collaborative skills needed to address the frontier challenges facing Wyoming and the world.

Three primary drivers guide design of the EERB: 1) innovation sparked by collaboration; 2) enhanced educational experiences for undergraduate and graduate students; and 3) laboratory spaces to promote project-based (versus department-based) research and that are flexible and easily reprogrammed. In accordance with these drivers, the EERB program contains plans for the following spaces: Student Innovation Center; machine shop; Vibration Controlled laboratory; Student Entrepreneurship Center; active learning classrooms (2); Advanced Combustion laboratory; Drilling and Completion Simulation Center; Water laboratory; Hydrocarbons laboratory; Materials laboratory; general (unassigned) wet laboratories (2); Computational laboratory; Bioengineering laboratory; general (unassigned) dry laboratory; Dean’s offices; board room; collaboration and student spaces; offices; meeting rooms; mechanical, electrical, and related support spaces. The site for the Engineering Education & Research Building is the block immediately north of Lewis Street between 11th and 12th Streets. The new building will consist of approximately 116,000 gross square feet of space.

GE Johnson Construction Wyoming has been working with Malone Belton Abel, P.C. of Sheridan, Wyoming in association with GSG Architecture. P.C. of Casper, Wyoming, Zimmer Gunsul Frasca Architects LLP (ZGF) of Seattle, Washington, as well as other contracted engineering design consultants and representatives from UW Operations to develop the Guaranteed Maximum Price (GMP) for consideration by the Board of Trustees at the February meeting. The GMP proposed by GE Johnson Construction Wyoming is \$69,014,882.00. The GMP encompasses previous Bid Package #1 (mobilization, site work and foundations), Bid Package #2 (steel reinforcing and embeds) and Bid Package #3, that includes all remaining construction work to complete the project.

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The total budget (“all in”) for this project is \$105,358,910.00. The project will be funded through \$1,100,154.00 Grant Funding for planning, \$3,328,756.00 from private donations, and \$100,930,000.00 from State Appropriations.

PRIOR RELATED BOARD DISCUSSIONS/ACTIONS:

- July 2011 – Board of Trustees approved the FY 2013-2014 Capital Construction Request for the University of Wyoming, which included planning funds for the Engineering Building Addition and Renovation (now named EERB).
- May 2012 – Board of Trustees was briefed on the Engineering Complex - Engineering Building Addition and Renovation (now named EERB) and the Energy Engineering Research Facility (now named the High Bay Research Facility).
- January 2013 – Board of Trustees approved the architect/engineering firm of Malone Belton Abel, P.C., Laramie, Wyoming, in association with GSG Architecture, P.C., Casper, Wyoming and Zimmer Gunsul Frasca Architects, LLP (ZGF), Seattle, WA for the Engineering Building Expansion and Renovation (now named EERB) and the Energy Engineering Research Facility (now named the High Bay Research Facility) projects.
- January 2015 – Board of Trustees approved the Construction-Manager-at-Risk firm of GE Johnson Construction Wyoming, Jackson, WY for the Engineering Building Expansion and Renovation (now named EERB).
- November 2015 – Board of Trustees approved the Schematic Design for the Engineering Education and Research Building.
- February 2016 – Board of Trustees approved the Revised Exterior Design for the Engineering Education and Research Building.
- May 2016 – Board of Trustees approved the Construction Contract with Wyoming Earthmoving Corporation of Rozet, Wyoming to complete site clearing and demolition work for the EERB project site.

WHY THIS ITEM IS BEFORE THE BOARD:

Authorization is required from the Board of Trustees to approve the Guaranteed Maximum Price and remaining construction contracting for this project.

ACTION REQUIRED AT THIS BOARD MEETING:

Authorization to amend the Construction Manager-at-Risk agreement between the University of Wyoming and GE Johnson Construction Wyoming of Casper, Wyoming. The amendment will establish a Guaranteed Maximum Price (GMP) of \$69,014,882.00 for the construction of the Engineering Education and Research Building.

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PROPOSED MOTION

I move to authorize amending the agreement between the University of Wyoming and GE Johnson Construction of Wyoming to establish a Guaranteed Maximum Price of \$69,014,882.00.

PRESIDENT'S RECOMMENDATION:

It is recommended that the Board of Trustees of the University of Wyoming approve the Guaranteed Maximum Price (GMP) of \$69,014,882.00 and authorize the remaining construction contracting of the Engineering Education and Research Building with the Construction Manager-at-Risk, GE Johnson Construction Wyoming of Casper, Wyoming.