

**PHYSICAL EDUCATION CENTER
FROST ARENA HVAC REPLACEMENT
SOUTH DAKOTA STATE UNIVERSITY**

**CONSTRUCTION/BID DOCUMENTS FOR
BOR BUILDING COMMITTEE**

**OCTOBER 2013
OSE#R0313—01X**

South Dakota State University (SDSU) requests approval of the Construction/Bid documents as submitted by the Architect/Engineer, Farris Engineering.

This submittal is a result of the approved Facility Design Plan submitted to the Board of Regents in June 2013. SDSU requests Building Committee approval of the Construction/Bid documents; allowing OSE to proceed with the release of Construction/Bid documents for advertisement and bidding.

The Physical Education Complex Frost Arena HVAC Replacement is consistent with the program requirements and facility described in the Facility Design Plan. The following drawings are attached that illustrate the design:

- MH102 – Mechanical – Mezzanine Level Floor Plan (Existing)
- MH301 – Mechanical – Building Sections (New Layout)
- MD102 – Mechanical – Catwalk Level Plan (Demo Plan)

Approved **Facility Design Plan** dated June 2013 is as follows:

Facility Construction	\$1,569,440
Contingency	\$156,944
Total Construction Costs	\$1,726,384
Facility Design Costs	\$373,616
TOTAL PROJECT COST ESTIMATE	\$2,100,000

Approved Funding Sources:

HEFF M&R: \$2,100,000

Farris Engineering has developed a cost estimated based on the completed construction/bid documents. The estimate is as follows:

Final Design Estimate for Construction/Bid Documents

Facility Construction	\$1,523,735
Contingency	\$202,649
Total Construction Costs	\$1,726,384
Facility Design Costs	\$373,616
TOTAL PROJECT COST ESTIMATE	\$2,100,000

Two bid alternates have been identified within the scope of the project. These items shall be considered during bidding and added as project budget allows. These items include:

- 1) Add for removal and replacement of existing five exhaust fans located on the roof.
- 2) Add for removal and capping of existing outside and return air ductwork at each of the ten existing air handling units.