SOUTH DAKOTA BOARD OF REGENTS

Budget and Finance

AGENDA ITEM: 7 – E
DATE: December 13-14, 2023

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SUBJECT

SDSU Transient Animal Facility Preliminary Facility Statement (PFS)

CONTROLLING STATUTE, RULE, OR POLICY

SDCL § 5-14-1 – Classification of Capital Improvements
SDCL § 5-14-2 – Supervision by Bureau of Administration of Capital Improvement Projects – Payment of Appropriated Funds
SDCL § 5-14-3 – Preparation of Plans and Specifications for Capital Improvements – State Building Committees – Approval by Board or Commission in Charge of Institution
BOR Policy 6.4 – Capital Improvements
BOR Policy 6.6 – Maintenance and Repair

BACKGROUND / DISCUSSION

South Dakota State University requests approval of this Preliminary Facility Statement to engage a design-build team to complete planning and construction of a new Transient Animal Facility.

The Transient Animal Facility will be used for teaching and extension/outreach purposes. Numerous Animal Science courses utilize livestock for their labs, and while some of this need can be met using the university's livestock units, it also requires outside sources to provide an adequate quantity and variety of animal stock for instruction. This maximizes teaching opportunities, especially for terminal livestock. Due to the transient use of external livestock, it is not feasible to house them in the university's permanent units. Even if adequate space were available at permanent livestock units, transient animals present biosecurity risks that could compromise the university's herds.

IMPACT AND RECOMMENDATIONS

Undergraduate enrollment in the Animal Science Department has averaged 452 students over the past five years, with an additional 113 students pursuing an Animal Science minor. These students, on average, take at least two courses that heavily rely on transient animals

(Continued)

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DRAFT MOTION 20231213_7-E:

I move to approve SDSU's Preliminary Facility Statement to complete planning and construction of a new Transient Animal Facility using insurance proceeds and other funds, and to exempt the project from the remainder of the Board's Capital Improvements Policy.

in the curriculum. Additionally, the curriculum of Agriscience, Ag Communications, Ag Education, and Agricultural Leadership majors include two courses that rely on transient beef, sheep, and swine. These programs combined had an additional 387 students in Fall 2022.

Extension and outreach clientele to be served include those interested in beef cattle marketing based on carcass traits (Beef 2020 programs). This program has been offered on campus for many years, with 172 participants in the past seven years. It is recognized for its hands-on approach of "gate to plate" and uses a variety of live beef cattle. Youth from across South Dakota, Minnesota, and up to 10 other states participate in programs focused on livestock evaluation. In the past four years, over 450 participated in summer livestock judging camps. Annually, over 500 youth from South Dakota and Minnesota participate in 4-H and FFA Livestock Judging contests that are held on campus. All these programs rely on university facilities to house transient animals.

FUNDING

The project would be funded by insurance proceeds, College of Agriculture, Food, and Environmental Sciences and Ag Experiment Station funds.

ATTACHMENTS

Attachment I – SDSU Preliminary Facility Statement for Transient Animal Facility

PRELIMINARY FACILITY STATEMENT
FOR
SOUTH DAKOTA STATE UNIVERSITY
TRANSIENT ANIMAL FACILITY
New Construction; Brookings, SD

DATE: October 13th, 2023

SDSU requests approval of this Preliminary Facility Statement to engage a design-build team to complete planning and construction of a new Transient Animal Facility. The University requests exemption of the project from the remainder of the capital improvement process, due to the limited scope and program of this facility. The project was approved by the South Dakota State Legislature in 2023 as part of House Bill 1032.

1. GENERAL PROGRAMMATIC NEEDS TO BE ADDRESSED:

The Transient Animal Facility will be used for teaching and extension/outreach purposes. Numerous Animal Science courses utilize livestock for their labs, and while some of this need can be met using the university's livestock units, it also requires outside sources to provide an adequate quantity and variety of animal stock for instruction. This maximizes teaching opportunities, especially for terminal livestock. Due to the transient use of external livestock, it is not feasible to house them in the university's permanent units. Even if adequate space were available at permanent livestock units, transient animals present biosecurity risks that could compromise the university's herds.

2. ANALYSIS OF THE STUDENT BODY OR CONSTITUENTS TO BE SERVED:

Undergraduate enrollment in the Animal Science Department has averaged 452 students over the past five years, with an additional 113 students pursuing an Animal Science minor. These students, on average, take at least two courses that heavily rely on transient animals in the curriculum. Additionally, the curriculum of Agriscience, Ag Communications, Ag Education, and Agricultural Leadership majors include two courses that rely on transient beef, sheep, and swine. These programs combined had an additional 387 students in Fall 2022.

Extension and outreach clientele to be served include those interested in beef cattle marketing based on carcass traits (Beef 2020 programs). This program has been offered on campus for many years, with 172 participants in the past seven years. It is recognized for its hands-on approach of "gate to plate" and uses a variety of live beef cattle. Youth from across South Dakota, Minnesota, and up to 10 other states participate in programs focused on livestock evaluation. In the past four years, over 450 participated in summer livestock judging camps. Annually, over 500 youth from South Dakota and Minnesota participate in 4-H and FFA Livestock Judging contests that are held on campus. All these programs rely on university facilities to house transient animals.

3. ADDITIONAL SERVICES TO BE OFFERED:

SDSU hosts “Little International”, considered the largest student-run livestock exposition in the country. The transient animal facility would support two aspects of the continued excellence of Little I: 1) Little I hosts a Livestock Judging Contest, which typically attracts 300-400 youth from four to five states, and 2) Little I includes an exhibition of beef, dairy, horse, sheep, swine, and meat goats. The livestock associated with this event are often brought in from outside sources, and a Transient Animal Facility provides a safe and controlled environment to manage this process.

4. COMPLIANCE WITH COMPREHENSIVE CAMPUS PLAN:

The upgraded facility aligns with the university’s strategic plan, enhancing teaching, research, and outreach capabilities of the university. It further supports SDSU’s ability to provide contemporary educational opportunities and to attract renowned faculty in their fields of study. The facility would replace existing buildings at the West Horse Unit and Beef Breeding Unit that were destroyed in the May 12th, 2022 windstorm.

5. ANALYSIS OF NEEDS ASSESSMENT BASED ON THE FACILITIES UTILIZATION REPORT:

Not applicable

6. LOCATION:

The Transient Animal Facility will be located on the west side of the SDSU campus in Brookings, SD. The site currently forms part of the West Horse Unit and is used to house horses. The existing facilities were destroyed in the May 12th windstorm, and temporary shelters are currently in place. The site includes appropriate utilities and road access to support the Transient Animal Facility.

7. REALLOCATION OF OLD SPACE, IF ANY:

The May 12th storm destroyed the monoslope structure that was used for sheltering horses. The new facility will be constructed on the same footprint with all new construction, but no existing facilities other than penning and waterers will be used.

8. PROPOSED FUNDING SOURCE/SOURCES:

The project would be funded by insurance proceeds, College of Agriculture, Food, and Environmental Sciences and Ag Experiment Station funds.

9. BUDGET FOR DEVELOPMENT OF A FACILITY PROGRAM PLAN:

The University would engage a design-build team to construct and plan the facility. The design-build delivery method for project procurement aligns with the limited scope of this project. This method of delivery would also provide timely and cost-effective design and construction services. The cost for preliminary planning services to complete a schematic design is estimated to be $20,000.

10. BUILDING DESIGN CONCEPTS AND ELEMENTS INCLUDED:

The design concept includes a partially open monoslope structure consisting of five 20’x30’ partially open bays with two additional 20’x30’ enclosed bays. The overall structure is estimated to be 8,400 gross square feet. The structure would be planned to accommodate the multiple types of animals expected to be housed in the facility throughout an academic year.