EXHIBIT 6
DATE Feb 18, 09
HB 467

Department: 5102 COMMISSIONER OF HIGHER ED
Version: 2011-5102-B-50

Project Title: Science & Instructional Tech Center, MSU-Billings
Brief Description of Project:
Renovate/construct the Science & Instructional Technology Center

Statewide Priority:
Agency Priority: 5
Est. Completion Date: 08/30/2011

Cap. Proj. Bien: 2011
Cap. Proj. Request No: 1691
Version: 2011-5102-B-50

● Approved
○ Disapproved

Agency No: 5102 **Agency Name:** COMMISSIONER OF HIGHER ED
Program No: 01 **Program Name:** ADMINISTRATION PROGRAM

THIS PROJECT:
- ☐ Is an Original Facility
- ☑ Improves an Existing Facility
- ☐ Replaces an Existing Facility

Major Maintenance Class:
☐ Class I ☑ Class II ☐ Class III

LOCATION:
- ☑ Site on Owned Property
- ☐ Site to be Selected
- ☐ Site Already Selected
- ☑ Outside of 100 Year Flood Plain
- ☑ Utilities Already Available
- ☑ Access Already Available

ESTIMATED COST OF PROJECT:

1. Land Acquisition:	$0	9. Contingency:	$0
2. Site Investigation:	$5,000	10. A&E Supervisory Fee:	$0
3. Consultant Services:	$825,000	11. Construction Mgmt:	$0
4. Construction Costs:	$10,130,000	12. Commissioning:	$50,000
5. Site Development:	$75,000	13. Construction Testing:	$30,000
6. Utilities:	$75,000	14. Percent for the Arts:	$60,000
7. Telecomm. Systems:	$250,000	15. Other:	$0
8. Furnishings & Equipment	$500,000	**Total Estimated Cost:**	**$12,000,000**

PROJECT FUNDING:

Fund	Amount	Cash/ Bonded	Bill Number
05007	$12,000,000	C	HB 0005
Total Funding:	**$12,000,000**		

DESCRIPTION OF FACILITY:
General Description:

Built in 1947 the Science is in dire need of updating to meet the demands of today's curriculum. The project either renovates the existing 50 KSF building with a 20 KSF addition or replaces the entire complex.

Impact on Existing Facilities:

A new Science Building rather than the proposed renovation/addition could provide the Campus with a home for the College of Allied Health and avoids the necessity of temporary accommodations for the Sciences'.

Functional Space Requirements:

The Science Building is the home for all the Sciences' undergraduate, graduate, and research studies and its' faculty. Last year it's 14 classrooms and labs supported a consistent 10-12% of our student FTE throughput: Fall 360, Spring 374 and Summer 73

The proposed 20 KSF addition for the labs will provide a safe learning environment for our students. The sciences' pose some of the greatest risks to their health and safety while hazardous and radioactive materials demand the latest environmental safeguards.

Additionally, the 50 KSF renovation will address much needed deferrred maintenance while allowing us to reconfigure to optimize available space and co-locate our IT resources in one central location with the next generation high speed bandwidth infrastructure to support the sciences and their research; and provide walk-in technology support for students, faculty and staff.

EXPLANATION OF PROBLEM BEING ADDRESSED:

a. Renovation eliminates 20% of deferred maintenance within the campus' academic facilities.
b. Brings building into compliance with today's Health and Life Safety codes as well as ADA.
c. Provides redundant infrastructure to support failed system rollover and disaster recovery.
d. As the Campus' major consumer of energy per square foot, the opportunities to provide significant Energy Savings and Sustainability from a recent Energy Audit are:

1. Converts 1947 steam Boiler to hot water high efficiency boilers (saves 1,350 MCF)
2. Replaces constant volume A/C with variable frequency drives (saves 30 MWH & 500 MCF)
3. Provides programmable DDC systems for temperature setbacks (saves 20 MWH & 270 MCF)
4. Replaces lighting with high efficiency T5 fixtures and occupancy sensors (saves 50-60 MWH)
5. Installs variable volume controls for laboratory exhaust systems (saves 30 MWH & 200 MCF)

ALTERNATIVES CONSIDERED:

1. Continue to defer repairs, needed upgrades and code/life safety deficiencies ($0)
2. Construct a 75 KSF facility tailored to meet our growing Science & IT needs ($24.4M)
3. Construct a 63 KSF facility for the Sciences and renovate the existing 50 KSF building for IT and the College of Allied Health ($24M)
4. Construct a 20 KSF addition for the Science Labs and renovate the existing 50 KSF building for Science classrooms, offices and IT ($12M)

Biennium: 2011 **Version Type:** B **Version Seq. No:** 50

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Biennium: 2011

FTE	Personal Services	Operating Costs	Maintenance Expenses	Total Costs
0.00	$0	$0	$0	**$0**

Fund Type	Amount	Percent
01 GENERAL FUND	$0	

Biennium: 2013

FTE	Personal Services	Operating Costs	Maintenance Expenses	Total Costs
1.30	$130,000	$244,000	$392,000	**$766,000**

Fund Type	Amount	Percent
01 GENERAL FUND	$766,000	100.00%

Biennium: 2015

FTE	Personal Services	Operating Costs	Maintenance Expenses	Total Costs
1.30	$147,000	$275,000	$443,000	**$865,000**

Fund Type	Amount	Percent
01 GENERAL FUND	$865,000	100.00%

Rationale for Selection of Particular Alternative:

Alternative (4) was selected as it fits within the MSU LRBP budget. However, alternative (2) or (3) have more potential to address a greater number of our needs.

GENERAL NARRATIVE:

The scope of this project includes renovating the existing laboratories into much needed code/ADA compliant general-purpose classrooms, space for adaptive learning, integrated technology learning, multi-media center, replacement facilities for the central computing area within McMullen Hall and reliable emergency back-up power. A 20KSF addition will provide wet and dry science laboratories, accommodating a cadaver lab and nursing facilities (to be used in conjunction with our neighboring medical complex). The structure is sound, however the building has not been remodeled or refinished since the 70's. The heating, plumbing, and electrical systems have far exceeded their useful lives. Portions of the building are not accessible.