

**STEM Innovation Learning Center  
Construction Authorization**

**Recommendation**

It is recommended that the Board of Governors authorize the President or his designee, to award contracts for the design and construction of the STEM Innovation Learning Center contingent upon State of Michigan approval of appropriation of requested capital funds. In June 2017, the Board authorized \$2M in spending for planning and design activities. It is further recommended that the Board of Governors authorize additional spending of up to \$38M for a total project cost of \$40M to design and construct the facility. The project will be funded 1.) \$14.75M by State of Michigan appropriation and 2.) \$25.25M by University bond funds.

**Background and Project Description**

In July 2017, the Governor approved the STEM Innovation Learning Center project for planning. The capital request was specifically for the construction of a Science, Technology, Engineering and Math (STEM) Innovation Learning Center in the form of comprehensive renovation of the existing underutilized Science and Engineering Library. In anticipation of that approval, the Board of Governors authorized spending of up to \$2M for planning and design activities to prepare the required program and schematic design submittal that would be required by the State of Michigan.

In January 2018, the University hired a design consultant to undertake the programming and schematic design of the project. During this work it was determined that the project's total cost would exceed the initial \$29.5M budget and that a revised budget of \$40M was required. This increase is due to escalation of construction costs in the Metropolitan Detroit area, the inclusion of more fume hood intense classroom laboratories than previously planned, and the desire to include advanced technology to facilitate Wayne State faculty to employing leading edge pedagogies. As of this writing, the Program Statement and Schematic Design Submittal for this project has been submitted by the State Department of Technology, Management and Budget to the Joint Capital Outlay Subcommittee for review and recommendation to the Governor for construction appropriation. It is anticipated that this appropriation, if approved, will be received by the University in July 2018.

Wayne State has experienced unprecedented growth in STEM student enrollment and graduation rates since 2010, and this project provides a great investment opportunity to create an enhanced instructional environment for our undergraduate STEM students. Planned space components include 1.) General purpose classrooms and instructional laboratories that are rich with technology to permit the transformation of traditional lecture-driven instruction to collaborative, hands-on, real life, team and project based learning, 2.) Maker/hacker labs that will give students interdisciplinary exposure to skill set development that is not possible in most instructional settings, 3.) Student gathering

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spaces to study, engage in interdisciplinary discussion, or have a conversation with the faculty instructor, and 4.) Specific office space dedicated to STEM outreach to K-12. The project will include considerable upgrades to the building systems and building envelope to bring the 1970 Science and Engineering Library into service for this center while taking advantage of the sound structure of the building and excellent location.

All contracts for the project will be awarded in accordance with University policies and procedures.

Although the Science and Engineering Library is underutilized, it is not vacant. There are functions that need to be relocated. These functions are being evaluated and downsized. They will be relocated and accommodated outside the budget for this project. These include publication storage, three computer classrooms, and a STEM Commons demonstration project.

**Project Budget**

<b>Funding Sources</b>	
State of Michigan appropriation	\$14,750,000
Bond Series 2018	\$25,250,000
<b>TOTAL Sources</b>	<b>\$40,000,000</b>
<b>Expenditures Plan</b>	
Design and Relocation Fees	\$3,200,000
Construction	\$28,000,000
Furniture, Fixtures, Equipment	\$4,500,000
Project Management Fees	\$1,500,000
Contingency	\$2,800,000
<b>TOTAL Expenditures</b>	<b>\$40,000,000</b>