

THE UNIVERSITY OF MICHIGAN
REGENTS COMMUNICATION

ACTION REQUEST

Subject: Carl A. Gerstacker Building
Herbert H. Dow Building
Center for Ultrafast Optical Science Expansion

Action

Requested: Approval to Proceed with Project

Background:

The College of Engineering's Gerard Mourou Center for Ultrafast Optical Science (CUOS) is an interdisciplinary research center founded by the National Science Foundation more than 25 years ago. CUOS has received a National Science Foundation (NSF) long-term cooperative agreement award for a new zettawatt-equivalent ultrashort pulse laser system (ZEUS). The ZEUS laser will have the highest peak power in the United States and will be among the world's most powerful lasers. The facility will be a NSF user facility and open to other universities and researchers to conduct experiments. This project will renovate approximately 14,000 gross square feet of space in the Carl A. Gerstacker Building for the installation of the new ZEUS laser system. The ZEUS system will be integrated with the College of Engineering's existing Hercules laser system. To provide the needed space, a renovation of approximately 10,000 gross square feet of space in the Herbert H. Dow Building is planned that will provide space for the relocation of two Materials Science and Engineering laboratories from Gerstacker into Dow. The scope of this project includes the architectural, electrical, and mechanical work necessary to accomplish these improvements. Installation of the laser system equipment will be performed by College of Engineering following substantial completion of this renovation project. There will be no impact on parking from this project.

The estimated cost of the project is \$9,400,000. Funding will be provided from College of Engineering resources. The construction cash flow may be provided, all or in part, by bond proceeds or increasing the commercial paper issuance under the commercial paper program, secured by a pledge of General Revenues, and authorized by the Board of Regents. The architectural firm of Integrated Design Solutions will design the project. The project is expected to provide an average of 16 on-site construction jobs. Construction is scheduled to be completed in the winter of 2022.

We recommend that the Board of Regents approve the Carl A. Gerstacker Building Center for Ultrafast Optical Science Expansion project as described, and authorize awarding construction contracts providing that bids are within the approved budget.

Respectfully submitted,



Kevin P. Hegarty
Executive Vice President and
Chief Financial Officer