

THE UNIVERSITY OF MICHIGAN
REGENTS COMMUNICATION

ITEM FOR INFORMATION

Subject: Plant Extension

Background and Summary:

Construction activities on University of Michigan projects continued as shown on the attached schedules during the month of May 2017.

The projects listed below have been completed, except for specific items, and will no longer be included in this report.

- College of Pharmacy Building Electrical Substation Replacement
- Glen Avenue Parking Structure Elevator Replacement and Improvements
- Michigan Medicine University Hospital South Air Handling Unit Upgrades

Respectfully submitted,



Kevin P. Hegarty
Executive Vice President and
Chief Financial Officer

June 2017
Attachment

PROJECTS IN PLANNING

Status as of May 19, 2017

June 2017

| <u>Project</u> | <u>Proposed Project Budget</u> | <u>Source of Funds</u> |
|--|------------------------------------|---|
| <u>Ann Arbor</u> | | |
| <u>ARCHITECT APPOINTED</u> | | |
| Central Power Plant Expansion Black & Veatch | \$ 80,000,000 | Utility resources |
| W.K. Kellogg Institute and Dental Building Expansion and Renovation SmithGroupJJR | \$ 140,000,000 | FY17 Capital Outlay Request to the State of Michigan, Office of the Provost resources, School of Dentistry resources, and investment proceeds |
| Edward Henry Kraus Building Renovation and Addition Ballinger | \$ 120,000,000 | Office of the Provost resources |
| Alexander G. Ruthven Museums Building Renovation and Addition Stecker Labau Arneill McManus Collaborative | \$ 150,000,000 | Investment proceeds |
| Glenn E. Schembechler Hall Football Performance Center Kohn Pedersen Fox | \$ 14,800,000 | Athletic Department resources and gifts |
| <u>WORKING DRAWINGS IN PREPARATION</u> | | |
| George Granger Brown Memorial Laboratories First and Third Floor Laboratory Renovations Fishbeck, Thompson, Carr & Huber | \$ 1,600,000 | College of Engineering resources |

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June 2017

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|---|------------------------------------|--|
| <u>WORKING DRAWINGS IN PREPARATION</u> | | |
| Central Power Plant 13,200 Volt Switchgear Upgrade Black & Veatch | \$ 23,000,000 | Utility resources |
| Central Power Plant Basement Drain Line Replacement Fishbeck, Thompson, Carr & Huber | \$ 1,900,000 | Utility resources |
| Central Power Plant Fire Protection System for Steam Turbines UM-AEC | \$ 1,900,000 | Utility resources |
| East Hall Exterior Repairs Simpson Gumpertz & Heger | \$ 1,600,000 | General Fund resources |
| Literature, Science, and the Arts Building First Floor Renovation and Addition SmithGroupJJR | \$ 35,000,000 | College of Literature, Science and the Arts resources |
| Medical Science Unit II Clinical Simulation Suite and Classrooms UM-AEC | \$ 4,750,000 | Medical School resources |
| Michigan Medicine Arbor Lakes Building 2 Office Renovation Ann Arbor Architects Collaborative | \$ 1,420,000 | Health System resources |

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|---|------------------------------------|-------------------------|
| <u>WORKING DRAWINGS IN PREPARATION</u> | | |
| Michigan Medicine C.S. Mott Children's and Von Voigtlander Women's Hospitals Central Sterile Processing Department Renovations Niagara Murano | \$ 1,100,000 | Health System resources |
| Michigan Medicine C.S. Mott Children's and Von Voigtlander Women's Hospitals Domestic Hot Water Heaters and Booster Systems Replacement MA Engineering | \$ 1,800,000 | Health System resources |
| Michigan Medicine C.S. Mott Children's and Von Voigtlander Women's Hospitals Fetal Diagnostic Center Expansion Niagara Murano | \$ 2,000,000 | Health System resources |
| Michigan Medicine University Hospital Central Sterile Processing Lift Replacement Integrated Design Solutions | \$ 1,200,000 | Health System resources |
| Michigan Medicine University Hospital Magnetic Resonance Imaging Equipment Replacement Integrated Design Solutions | \$ 4,900,000 | Health System resources |
| Michigan Medicine University Hospital South Central Sterile Processing Department Scope Reprocessing Center Ann Arbor Architects Collaborative | \$ 5,100,000 | Health System resources |
| Michigan Medicine University Hospital South Roof Replacement Niagara Murano | \$ 2,700,000 | Health System resources |

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|---|------------------------------------|--|
| <u>WORKING DRAWINGS IN PREPARATION</u> | | |
| Michigan Union Renovation Integrated Design Solutions, in association with Workshop architects as the design architect and Hartman-Cox as the historic preservation specialists | \$ 85,200,000 | Student Life Student Fee for Facility Renewal and investment proceeds |
| North Campus Recreation Building Renovation Integrated Design Solutions in association with RDG Planning and Design | \$ 17,400,000 | Student Life Student Fee for Facility Renewal |
| North Campus Research Complex Buildings 20 and 25 Laboratory Renovation SmithGroupJJR | \$ 78,500,000 | Medical School resources |
| Bennie Oosterbaan Field House Football Performance Center and Infrastructure Improvements Kohn Pedersen Fox Associates in association with HNTB | \$ 21,000,000 | Athletic Department resources and gifts |
| Parking Lot NC92 Reconstruction and Ring Road Modifications Fishbeck, Thompson, Carr & Huber | \$ 4,900,000 | Logistics, Transportation & Parking resources and Medical School resources |
| Robotics Laboratory Harley Ellis Devereaux | \$ 75,000,000 | College of Engineering resources, gifts, and a lump sum contribution by Ford Motor Company |
| William Monroe Trotter Multicultural Center Hanbury | \$ 10,000,000 | Investment proceeds |

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|---|------------------------------------|--|
| <u>WORKING DRAWINGS IN PREPARATION</u> | | |
| West Hall Renovations for the Department of Naval Architecture and Marine Engineering Harley Ellis Devereaux | \$ 2,200,000 | College of Engineering resources and gifts |
| <u>Dearborn</u> | | |
| <u>WORKING DRAWINGS IN PREPARATION</u> | | |
| Engineering Lab Building Replacement SmithGroupJJR | \$ 90,000,000 | FY17 Capital Outlay Request to the State of Michigan and University of Michigan-Dearborn resources |
| Mardigian Library Galleries Center Quinn Evans Architects | \$ 1,600,000 | University of Michigan-Dearborn resources and gifts |
| <u>Flint</u> | | |
| <u>ARCHITECT APPOINTED</u> | | |
| William R. Murchie Science Building Expansion Harley Ellis Devereaux | \$ 39,000,000 | FY17 Capital Outlay Request to the State of Michigan and University of Michigan-Flint resources |

ACTIVE CONSTRUCTION PROJECTS

Status as of May 19, 2017

June 2017

| <u>Project</u> | <u>Project Budget</u> | <u>Date Construction Started</u> | <u>Original Completion Date</u> | <u>Current Completion Date</u> | <u>Source of Funds</u> |
|---|-----------------------|----------------------------------|---------------------------------|--------------------------------|--|
| <u>Ann Arbor</u> | | | | | |
| Art and Architecture Building A. Alfred Taubman Wing Project Integrated Design Solutions in collaboration with Preston Scott Cohen | \$ 28,500,000 | Nov-15 | Dec-17 | Dec-17 | Gifts, investment proceeds, and A. Alfred Taubman College of Architecture and Urban Planning resources |
| Biological Science Building SmithGroupJJR | \$ 261,000,000 | May-15 | Sep-18 | Sep-18 | College of Literature, Science and the Arts resources and Office of the Provost resources |
| George Granger Brown Memorial Laboratories Laboratory Renovation UM-AEC | \$ 1,200,000 | Feb-17 | Jun-17 | Jun-17 | College of Engineering resources |
| Joseph Aldrich and Marguerite Knowlton Bursley Hall Window Replacement UM-AEC | \$ 4,900,000 | Dec-16 | Dec-17 | Dec-17 | Housing resources |
| Central Power Plant Boilers 3 and 4 Efficiency and Reliability Improvements Affiliated Engineers | \$ 3,250,000 | Sep-16 | Dec-17 | Dec-17 | Utility resources |
| Central Power Plant Chimney Stack Refurbishment Gerard Chimney and Simpson Gumpertz and Heger | \$ 1,200,000 | Jun-16 | Dec-17 | Dec-17 | Utility resources |

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|---|------------------------------|---|--|---------------------------------------|---|
| Chemistry Building and Willard H. Dow Laboratory Renovations for the Department of Chemistry Fishbeck, Thompson, Carr & Huber | \$ 2,700,000 | Jun-16 | Jun-17 | Jun-17 | College of Literature, Science and the Arts resources |
| College of Pharmacy Building Electrical Substation Replacement SmithGroupJJR | \$ 1,600,000 | Nov-15 | Sep-17 | May-17 | Investment proceeds |
| Glen Avenue Parking Structure Elevator Replacement and Improvements UM-AEC | \$ 3,000,000 | Aug-14 | Dec-15 | Apr-17 | Parking resources |
| Institute for Social Research Wing Two Elevators Replacement UM-AEC | \$ 1,400,000 | Oct-16 | Dec-17 | Dec-17 | General Fund resources |
| Law Quad Infrastructure Improvements Beckett and Raeder | \$ 6,200,000 | Apr-17 | Dec-17 | Dec-17 | Utility resources and investment proceeds |
| Walter E. Lay Automotive Engineering Laboratory Dynamometer Installation MA Engineering | \$ 1,150,000 | Jun-16 | Dec-16 | Jun-17 | College of Engineering resources |
| Walter E. Lay Automotive Engineering Laboratory Infrastructure and Interior Improvements Ann Arbor Architects Collaborative | \$ 2,900,000 | Jan-16 | Dec-17 | Dec-17 | College of Engineering resources |
| Michigan Medicine Brighton Health Center South HKS Architects | \$ 175,000,000 | Sep-16 | Sep-18 | Sep-18 | Health System resources |

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|--|----|------------------------------|---|--|---------------------------------------|-------------------------------|
| Michigan Medicine Samuel and Jean Frankel Cardiovascular Center Electrophysiology Laboratory Replacement SmithGroupJJR | \$ | 4,200,000 | Feb-17 | Sep-17 | Sep-17 | Health System resources |
| Michigan Medicine C.S. Mott Children’s and Von Voigtlander Women’s Hospitals Medical Vacuum and Medical Air Front End System Harley Ellis Devereaux | \$ | 1,800,000 | Dec-16 | Jun-17 | Jun-17 | Health System resources |
| Michigan Medicine Multiple Buildings Pneumatic Tube System Communication Network Upgrade Berbiglia Associates | \$ | 1,200,000 | Jan-17 | Sep-17 | Sep-17 | Health System resources |
| Michigan Medicine North Campus Research Complex Buildings 30, 35, 36, and 60, University Hospital, and University Hospital South Clinical Pathology Laboratories Relocation and Renovation Tsoi/Kobus and Associates | \$ | 160,000,000 | Sep-16 | Sep-19 | Sep-19 | Health System resources |
| Michigan Medicine A. Alfred Taubman Health Care Center Central Cardiac Monitoring Niagara Murano | \$ | 5,000,000 | Jan-17 | Sep-17 | Sep-17 | Health System resources |
| Michigan Medicine University Hospital Fire Detection and Alarm System Update UM-AEC | \$ | 3,000,000 | May-16 | Jun-17 | Jun-17 | Health System resources |

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|--|----|-----------------------|----------------------------------|---------------------------------|--------------------------------|---------------------------------|
| Michigan Medicine University Hospital Radiation Oncology Linear Accelerator Replacement Integrated Design Solutions | \$ | 6,810,000 | Oct-16 | Jun-17 | Jun-17 | Health System resources |
| Michigan Medicine University Hospital South Air Handling Unit Upgrades Fishbeck Thompson Carr & Huber | \$ | 2,700,000 | Sep-16 | Jun-17 | May-17 | Health System resources |
| Michigan Medicine University Hospital South Faculty Office Renovations Tower Pinkster Titus Associates | \$ | 8,200,000 | Jan-17 | Sep-17 | Sep-17 | Health System resources |
| Michigan Medicine West Ann Arbor Health Center Project and Design Management and O X Studio | \$ | 46,000,000 | Jul-16 | Dec-17 | Dec-17 | Health System resources |
| North Campus Research Complex Buildings 40 and 50 Demolition SmithGroupJJR | \$ | 1,500,000 | Dec-16 | Jun-17 | Jun-17 | Medical School resources |
| North Campus Research Complex Building 80 North Cooling Tower Replacement Peter Basso and Associates | \$ | 3,000,000 | Nov-16 | Dec-17 | Dec-17 | Medical School resources |
| North Campus Research Complex Building 550 University Collections Relocation Renovations SmithGroupJJR | \$ | 3,800,000 | Oct-16 | Mar-17 | May-17 | Office of the Provost resources |
| William D. Revelli Band Rehearsal Hall Facility Improvements UM-AEC | \$ | 1,900,000 | Mar-17 | Dec-17 | Dec-17 | Investment proceeds |

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| Stephen M. Ross Athletic Campus Athletics South Competition and Performance Project TMP Architecture | \$ 168,000,000 | Dec-15 | Mar-18 | Mar-18 | Athletic Department resources and gifts |
| Space Research Laboratory Building Lobby Improvements Gensler | \$ 2,200,000 | Dec-16 | Dec-17 | Dec-17 | College of Engineering resources |
| Utility Tunnel Reinforcement Dental Building Area Commonwealth Associates | \$ 2,400,000 | Mar-16 | Dec-17 | Dec-17 | Utility resources |
| Weiser Hall Renovation Diamond Schmitt Architects | \$ 49,000,000 | Nov-15 | Sep-17 | Sep-17 | College of Literature, Science and the Arts resources and investment proceeds |
| Sam Wyly Hall Renovations for Executive Education and the William Davidson Institute UM-AEC | \$ 5,100,000 | Nov-16 | Dec-17 | Dec-17 | Stephen M Ross School of Business resources and William Davidson Institute resources |