

EXHIBIT A

Included below as Exhibit A are background information, the project summary and scope, and other related project costs for the East Medical Center Drive Bridge Rehabilitation and Widening Project.

Background

The East Medical Center Drive Bridge carries a four-lane road over the Amtrak Michigan line and is the primary access to the University of Michigan Medical Center. The bridge was constructed in 1982 and is now being inspected every twelve months due to its deteriorating condition. It is the City's intent to rehabilitate the Bridge in order to return it to a State of Good Repair and prolong its life span. The University of Michigan is also interested in rehabilitation and widening the bridge in order to improve traffic flow into and out of the Medical Center.

Project Summary and Scope

The project, which extends along East Medical Center Drive from Fuller Road to Cancer Center Drive; includes the following elements (funding sources in parenthesis):

- Rehabilitation of the bridge (50% Street, Bridge, and Sidewalk Millage; 50% UM)
- Widening of the bridge (100% UM)
- Widening East Medical Center Drive to the south of West Medical Center Drive on UM property (100% UM)

The overall project cost split based on the detail above results in roughly 59% funding and 41% City funding based on estimates. However, Exhibit B details cost sharing split by pay item category which will be used for final invoicing.

The construction of the project is scheduled over two years:

- Stages 1 to 4: March 1- December 1, 2024; bridge rehabilitation and widening, related road work, utility relocation including all electrical and lighting work, cold milling, resurfacing, pavement marking and signing. The bridge is scheduled to be fully open to traffic by December 1, 2023.
- Stage 5: May - July 2025; Final restoration and epoxy overlay on the bridge.

The main goal of the project will be to execute improvements to all of the infrastructure and utilities described above simultaneously, under a single contract, in order to reduce the cost and impact associated with these improvements.

The University of Michigan has committed to provide partial funding and technical support for the City-managed project to be awarded through City procurement. Work will be executed by the selected contractor both within the City of Ann Arbor right-of-way and on U-M property.

The work scope includes the following improvements, which are sorted in Exhibit B (Construction Bid Items) Shared (U-M 50%/City AA 50%), U-M, City of Ann Arbor Work Scope:

Shared U-M/City of Ann Arbor Work Scope

- Rehabilitation of the Bridge
 - Remove, repair and replace steel beams
 - Replacement of Concrete Deck
 - Replacement of Pier Caps

- Sheet piling
- Utility relocation of electrical and lighting work
 - Installation of 12 new ducts underneath the bridge for UM/ City/ ATT
 - Installation of handholes as needed per the plans
- Road resurfacing
 - Provide full road pavement and base aggregate removal and replacement where needed
 - Provide pavement marking and reinstall any impacted traffic signs.
- Remove, salvage, and reinstall or replace incidental items as needed to facilitate shared construction, including but not limited to the following:
 - Temporary traffic control signs, barricades and miscellaneous other associated-temporary measures
 - Curb and gutter, sidewalk, and other hardscapes

U-M Work Scope

- Widening of the bridge
 - Widen abutments, slope restoration near abutments
 - Installation of micropiles at Piers
 - Additional concrete deck
- Widening East Medical Center Drive to the south of West Medical Center Drive on UM property
- Utility relocation of UM – owned fiber
- Remove, salvage, and reinstall or replace incidental items as needed to facilitate construction of U-M scope, including but not limited to the following:
 - Benches, garbage cans, bike racks
 - Landscaping, trees, lawn and irrigation systems.
 - Curb and gutter, Sidewalk, brick pavers, other hardscapes
 - Signs, bus stops/shelters

City of Ann Arbor Work Scope

- Utility relocation of City – owned fiber
- Connect new City owned lights to City network
- Remove, salvage, and reinstall or replace incidental items as needed to facilitate construction of City scope, including but not limited to the following:
 - Benches, garbage cans, bike racks
 - Landscaping, trees, lawn and irrigation systems.
 - Curb and gutter, Sidewalk, brick pavers, other hardscapes
 - Signs, bus stops/shelters

Other Related Project Costs

Additional project related costs are split proportionally between U-M and City of Ann Arbor based on scope of work. Cost share splits (%) and assumptions are identified in Exhibit B Total Project Cost Breakdown spreadsheet. These include the following types of project related activities and associated costs:

- Related Construction Costs
 - Construction Contingency (10%)
- Project Management and Construction Engineering Costs and Contingency

- Main Project Management, office and technical support
- Construction Testing
- Code Inspection
- Site Construction Staking and As-built Field Grades
- Site Construction Observation
- Project Field Support Costs
 - Not included in cost sharing, UM and City will pay for these costs internally for their own field support staff.