



Legislation Details (With Text)

**File #:** 71320      **Version:** 1      **Name:** Authorizing the Mayor and the City Clerk to execute an Amendment to the contract between Madison and MSA Professionals, Inc. for additional design engineering services for the Atwood Avenue Reconstruction Project.

**Type:** Resolution      **Status:** Passed

**File created:** 5/5/2022      **In control:** Engineering Division

**On agenda:** 5/24/2022      **Final action:** 5/24/2022

**Enactment date:** 5/31/2022      **Enactment #:** RES-22-00387

**Title:** Authorizing the Mayor and the City Clerk to execute an Amendment to the contract between Madison and MSA Professionals, Inc. for additional design engineering services for the Atwood Avenue Reconstruction Project. (15th AD)

**Sponsors:** BOARD OF PUBLIC WORKS

**Indexes:**

**Code sections:**

**Attachments:**

Date	Ver.	Action By	Action	Result
5/24/2022	1	COMMON COUNCIL	Adopt	Pass
5/11/2022	1	BOARD OF PUBLIC WORKS	RECOMMEND TO COUNCIL TO ADOPT - REPORT OF OFFICER	Pass
5/5/2022	1	Engineering Division	Refer	

**Fiscal Note**

The proposed resolution approves an amendment to the contract between Madison and MSA Professionals, Inc. for additional design engineering services for the Atwood Avenue Reconstruction Program at an estimated cost of \$160,000. Funds are available in the following accounts:

- 11127-402-170 Street Account - \$132,500
- 11127-86-179 Water Account - \$7,500
- 11127-402-17 Structure Account - \$20,000

Approximately \$30,000 of the work identified in this contract amendment will occur in 2023 and the amount will be included in the 2023 Capital Budget Request.

**Title**

Authorizing the Mayor and the City Clerk to execute an Amendment to the contract between Madison and MSA Professionals, Inc. for additional design engineering services for the Atwood Avenue Reconstruction Project. (15<sup>th</sup> AD)

**Body**

The City is proposing to reconstruct Atwood Ave. from Fair Oaks Ave. to Cottage Grove Rd. in 2023. The City entered into an agreement with MSA Professionals, Inc. for design services (Original: RES-16-000375). Geometry was approved for the project by Common Council (RES-18-00533). City Engineering & City Traffic Engineering were authorized to proceed with final design for reconstruction of the street.

The Interim Engineering Manager recommends that additional design services be undertaken by MSA Professionals, Inc. They are:

1. Project Administration & Coordination
  - A. Administration
    1. Monthly Invoices
      1. Review and prepare invoices including monthly progress report to the City
    2. Monthly Spreadsheets
      1. Update contract hours spreadsheet monthly in support of monthly invoice
  - B. Project Management
    1. Scheduling
      1. Initial setup and monthly review of personnel scheduling for office wide scheduling system.
      2. Design Team Meetings and Coordination
  - C. Construction Administration
    1. Review and Respond to Contractor Requests for Information
2. Special Provision Modifications and Supplemental Details
  - A. Reports
    1. Stormwater Report for WisDOT Projects
      1. No updates to the storm water report are anticipated or included.
    2. Design Study Report
      1. Update Design Study Report based on geometry and report template updates
  - B. Environment Documentation
    1. Environmental Documentation Report.
      1. Update document based on project changes and document version updates
    2. Historical and Archaeological Surveys and Studies
      1. Complete a Section 106 memo to update the approved Section 106 for the updated path alignment option.
3. Agency coordination
  - A. Updates to the following agencies is included:
    1. WDNR
    2. Tribal Notifications
    3. City Parks - Section 4f Concurrence
4. Utility Coordination
  - A. Utility Notifications for schedule updates and conflict resolution is included.
  - B. Attendance at One (1) Utility Meeting is included in this contract amendment.
    1. IF AUTHORIZED, Post PS&E Utility Relocation coordination. Includes weekly coordination with private utilities from August 1, 2022 PS&E to a March 1, 2023 anticipated construction start date.
  - C. WPDES Storm Water Discharge Permit work is not included.
5. Public Involvement
  - A. Informational Meetings
    1. Attendance at One (1) Virtual Public Involvement Meeting is included in this contract amendment.
6. Road Plans
  - A. Road Plans
    1. Alignment (Horizontal and Vertical)
      1. Update horizontal and vertical alignments for bike path from Welch Avenue through Olbrich Park to the Starkweather Creek.
      2. Update ADA handicap ramps that were previous completed along the east side of Atwood Avenue between Dennett Drive and Cottage Grove

- Road.
    - 3. Update Madison Metro bus bumpouts (3) and associated grading and drainage.
    - 4. Raised crosswalks at two (2) intersections, Margaret Street and Olbrich Avenue and associated grading.
    - 5. Revise entrances as Lakeside Avenue, boat launch, and the bier garden park entrances from intersection openings to driveways.
  - 2. Drainage/Storm Sewer
    - 1. Update storm inlet locations based on revised curb and gutter between
    - 2. Dennett Drive and Cottage Grove Road
      - a. - IF AUTHORIZED, updates to storm sewer main trunkline between Walter Street and the outfall to Lake Monona based on City of Madison Watershed Study are not included.
  - 3. Cross Sections
    - 1. Cross Section updates initiate a migration from Civil 3D 2016 to Civil 3D 2018 or newer.
      - a. The migration is due to Autodesk no longer supporting licensing for 2016 and changes in the software impact both the corridor and cross sections as new features and functions have been added within the tool that alter the original file/design if/when opened in the newer versions.
    - 2. Update cross sections for bike path alignment through Olbrich Park
    - 3. Update cross sections for shifted curb and gutter and added multi-use path between Dennett Drive and Cottage Grove Road along the southeast side of Atwood Avenue.
  - 4. Traffic Control and Construction Staging Plans
    - a. Changes to traffic control staging plans and predeveloped concepts are not anticipated or included.
  - 5. Cost Estimates
    - a. Update Miscellaneous Quantities for Corresponding Design Changes
    - b. Review and Update Cost Estimate for PrePSE
  - 6. Update to Pavement Marking Plans, Permanent Signing Plans, Paving Grades, Curb Ramp Details, Landscaping, and Erosion Control Plans for bike path through Olbrich Park and for multiuse path between Dennett Drive and Cottage Grove Road.
- B. PS&E
- 1. Update Special Provisions with new template for 2023 Standard Specs including updated standard special bid items.
7. Special Requirement for Design
- A. Lighting and Signal Plans updates to be provided by City of Madison Traffic Engineering including:
- 1. Updates to City Fiber
  - 2. City of Monona LED lighting requested updates
  - 3. Olbrich Park path lighting Updates
- B. Water Utility Updates
- 1. Water Utility Scope includes removal of approximately 90% of the previously designed water main facilities.
  - 2. Updated and removal of plan sheets no longer needed.
  - 3. Update water main quantities, specifications, and estimate based updates.
  - 4. The scope of the water main changes does not include impacts to other utilities such as but not limited to the sanitary sewer or other associated staging. If the water main updates impact other items not listed in this scope of services, those additional

- changes will additional services.
5. Changes to sanitary sewer are anticipated to include revisions to the sanitary sewer between Fair Oaks and Oakridge Avenue. No other sanitary sewer changes are anticipated or included.
- C. Traffic signals are not anticipated or included.
8. Structure
    - A. Update final structure plans to meet current Bridge Manual standards for structures B-13-0254, B-13-0864, and R-13-0336. There are no changes to the type or scope of work for these structures unless noted otherwise in this amendment. There will be no updates to preliminary plan documents or the hydraulic analysis previously submitted to the WisDOT Bureau of Structures.
    - B. A concrete curb will be added to the outside edges of the concrete deck on structure B-13-0864. The clear width between rails will remain 17 feet, and the clear width between curbs will be slightly less than 17 feet. The rails will be attached to the prefabricated steel truss as previously detailed. The truss manufacturer will provide details for the concrete deck and curb.
    - C. Update special provisions (if needed) and estimates for structure bid items.
    - D. New load road rating calculations are not included. The Bureau of Structures previously prepared a load rating for structure B-13-0254.
    - E. Update specification for limestone riprap as provided by the City of Madison.
    - F. Update specification for concrete staining as provided by the City of Madison.
    - G. IF AUTHORIZED, lengthen the large block gravity wall, structure R-13-0336
      1. Shift the starting station of the retaining wall approximately 10-20 feet west of the previous termination point.
      2. There will be no updates to preliminary plan documents previously submitted the WisDOT Bureau of Structures.
      3. The wall extension will have similar design parameters to the rest of the previously designed wall. The extension will be the same height or shorter than the previously designed wall. The external stability, global stability, and settlement previously determined by a geotechnical engineer will be used for the wall extension. No additional calculations or geotechnical coordination or analysis are included.
  9. TRANSPORTATION PROJECT PLAT (TPP)
    - A. IF AUTHORIZED, Provide an 8.5x11 right of way exhibit and legal description for additional right of way needed to encompass the length of large block gravity wall, including permanent monumentation. The City of Madison will provide all warranty deeds necessary and filing with the City Register of Deeds.

NOW THEREFORE BE IT RESOLVED that the Mayor and City Clerk are hereby authorized to execute an Amendment to the contract between the City of Madison and MSA Professionals, Inc. for additional design engineering services for the Atwood Avenue Reconstruction Project.