

2024 AGENDA ITEM

Committee of the Whole Meeting date: July 16, 2024

Council Meeting date: August 5, 2024

ITEM: Fireman's Park stormwater project

SUBMITTED BY: Matt Amundson, City Administrator

DETAILED DESCRIPTION OF SUBJECT MATTER:

The previously discussed project to remove the storm pipe that runs through Fireman's Park needs to be designed. I've asked Jason Lietha to prepare a task order to complete the needed design work, permitting and bidding of the project.

It is important to note that this work will not significantly reduce flood impacts to the park or adjacent areas. By removing the pipe we can improve the quality of the stormwater and mitigate some impacts of potential future flooding. The intent is to complete the design in 2024, bid early in 2025 with an anticipated 2025 construction project.

LIST ALL SUPPORTING DOCUMENTATION ATTACHED:

Task Order 2024-03

ACTION REQUESTED OF COUNCIL:

Discuss and review proposal from Ruekert-Mielke related to design of stormwater improvements to Fireman's Park for a possible 2025 construction project

TASK ORDER 2024-03
2024 Fireman's Park Culvert Removal Design and Bidding

This is Task Order No. 2024-03, consisting of 5 pages

Task Order

In accordance with paragraph 1.1 of the Master Professional Service Agreement between the City of Columbus (Owner) and Ruekert and Mielke, Inc. (Engineer) for Professional Services – Task Order Edition dated March 20, 2019 (“Agreement”), Owner and Engineer agree as follows:

1. Specific Project Data

The Owner has experienced flooding in Fireman's Park and surrounding areas for many years. The Second Ward Creek upstream of Fireman's Park is an open channel. The Second Ward Creek in Firemans Park is a 750 lineal foot 48-inch CMP storm water pipe. In 2019, a downstream section of the pipe by the deer pen / aquatic center had failed and collapsed. The Owner contracted with Columbia County to remove the pipe and restore the open ditch through that section. This was done under emergency conditions to ensure the creek could safely pass storm water through the park without backing up. The 750-foot section is the only remaining section of pipe that remains today.

The Second Ward Creek has been studied several times with recommendations through the years beginning with a study in 2011 to review drainage issues as a result of the 2008 flooding. Some improvements were recommended and made following the reports to help with known flooding issues. In 2016 FEMA and Wisconsin Department of Natural Resources (WDNR) revised the FIRM mapping and effectively updated the extents of the flood plain for the Second Ward Creek and Crawfish River. As a result of the changes, a specific study was conducted by the Owner to review the options specifically for the pipe removal in Fireman's Park. That study recommended removal of the aging culvert.

In 2021, after additional flooding events occurred in the Second Ward Creek, an update was completed to review changes to the creek. These included an increase of the culvert under STH 89 along with downstream impacts of this change on the tributary for Second Ward Creek. As a follow-up to the 2021 study, options for bypassing the city with flood waters were also reviewed to mitigate or reduce flooding risk.

In 2022, the Comprehensive Storm Water Study was completed for the entire city that looked at all projects associated with storm water. One of the recommended projects for Second Ward Creek was to remove the 48-inch pipe and the study included an updated cost.

This task order will begin the planning, design, permitting and bidding phase to remove the 48-inch CMP in Fireman's Park. Construction related services will be by a separate task order.

2. Services of Engineer

A. PHASE 1 – Data Collection and Planning

Data Collection

- 1) Site investigation to confirm site conditions and determine project limits.
- 2) Photograph project locations for permit requirements.
- 3) Diggers Hotline request to locate all utilities, including measure downs for inverts.
- 4) Site survey to supplement existing information.
- 5) Wetland delineation and stream habitat assessment.

Planning

- 1) Preapplication meeting for WDNR and United States Army Corps of Engineers (USACE) Permit with stakeholders.
- 2) One public informational meeting.
- 3) Development of final project scope with staff.

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- 4) Confirm and update HEC RAS model for Second Ward Creek required for permitting.
- 5) Park planning consultant coordination.
- 6) Endangered Resource Review and Information for Planning and Consultation (IPaC) Review.

B. PHASE 2 – Design and Permitting

Design

- 1) Project administration.
- 2) Hydraulic modeling update.
 - a. Review upstream and downstream impacts.
- 3) Plan development.
 - a. Design and prepare storm sewer plan and profiles.
 - b. Design and prepare erosion control drawings and notes.
 - c. Prepare existing and new ditch cross sections.
 - d. Landscape design.
 - e. Bypass pumping plan.
 - f. Prepare cover, project overview, typical sections, and details.
 - g. Quantities and opinion of probable construction cost.
 - h. Storm water / drainage analysis and design report.
- 4) Specification development.
 - a. Specifications – legal and procedural.
 - b. Specifications – technical.
 - c. Complete project manual for bidding.
- 5) 30/60/90 meetings with Columbus for review.
- 6) QA/QC.

Permitting

- 1) Prepare WDNR (Assumed Individual Chapter 30) and USACE (to be determined) waterway permit and submit required permit documents.
 - a. Items include:
 - i. NR347 checklist.
 - ii. Preliminary cultural assessment.
 - iii. Draft and final permit application.
- 2) Prepare WDNR Storm Water and Erosion Control Permits.
- 3) Prepare FEMA CLOMR.

C. PHASE 3 – Bidding

- 1) General coordination with City.
- 2) General coordination with potential bidders.
- 3) Addenda preparation
- 4) Attend bid opening.
- 5) Review bids and prepare bid tabulation.
- 6) Make formal award recommendation to client.

3. Owner's Responsibilities

Owner shall have those responsibilities as set forth in Section II of the Agreement, subject to the following:

- A. Owner shall confirm meeting dates and attendance.
- B. Provide approval of selected design and specifications.
- C. Provide timely review of plans.
- D. Sign and pay permit fees.

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4. Items Excluded and Assumptions

A. The following items are excluded from the Scope of Services.

- 1) Any scope that is not specifically listed above.
- 2) Follow-up site visits, meetings, and certifications not included in the above scope.
- 3) Creation or update of any park plan or bridge design.
- 4) Grant submission or finance support.
- 5) Contaminated site investigations, coordination, and/or remediation design.
- 6) Historical, environmental, archeological, or threatened and endangered species investigations, coordination, and/or mitigation activities other than planning Phase #6.
- 7) Alternatives analysis.
- 8) Environmental impact statements or site assessments.
- 9) Title searches, record drawings, boundary survey or property survey.
- 10) Real estate appraisal/acquisition.
- 11) Easement preparation or CSM.
- 12) Any construction related activities.
- 13) Hydrologic Modeling updates.
- 14) FEMA Letter of Map revision.
- 15) NR347 sampling requirements and associated permitting for dredging projects.
- 16) NR500 permitting – general solid waste management.
- 17) USACE Letter of Permission permitting.
- 18) Wetland specific permitting (assume all waterway disturbance) and associated WDNR wetland impact fees. Wetland or stream mitigation requirements.

B. Assumptions

- 1) Development of this task order is based on the assumption that the proposed alignment, cross-section, and materials will be accepted and approved via the WDNR and USACE.

5. Times for Rendering Services

A. Schedules are subject to change due to activities beyond the control of R/M.

The tentative schedule is as follows:

Authorization to Proceed	08/06/24
Planning	09/15/24
Preliminary Design	10/01/24
Final Design	12/01/24
Permitting	01/02/25
Bids Due on Project	02/15/25
Start Construction	04/15/25
Final Completion	06/15/25
Project Closeout	07/01/25

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6. Payments to Engineer

A. Owner shall pay Engineer for services rendered as follows:

<u>Category of Services</u>	<u>Compensation Method</u>	<u>Estimate of Compensation for Services</u>
Phase 1	Time and Materials Not to Exceed	\$19,500
Phase 2 – Design	Time and Materials Not to Exceed	\$42,400
Phase 2 – Permitting	Time and Materials Not to Exceed	\$18,500
Phase 3	Time and Materials Not to Exceed	\$4,000
	TOTAL =	\$84,400

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Between City of Columbus
and
Ruekert & Mielke, Inc.
Dated August 6, 2024

Terms and Conditions: Execution of this Task Order by Owner and Engineer shall make it subject to terms and conditions, (as modified above) set forth in the Master Engineering Agreement Amendment between Owner and Engineer, dated March 20, 2019, which are incorporated by this reference. Engineer is authorized to begin performance upon its receipt of a copy of this Task Order signed by Owner.

The Effective Date of this Task Order is August 6, 2024.

OWNER:

City of Columbus

ENGINEER:

Ruekert & Mielke, Inc.

Signature: _____

Name: _____

Title: _____

Date: _____

Signature: _____

Name: Jason P. Lietha, P.E.

Title: Vice President/Team Leader

Date: August 6, 2024

DESIGNATED REPRESENTATIVE FOR TASK ORDER

Name: _____

Title: _____

Address: _____

Email: _____

Phone: _____

Name: Heidi Jeninga, P.E.

Title: Project Engineer

Address: 4630 S. Biltmore Lane

Madison, WI 53718

Email: hjeninga@ruekert-mielke.com

Phone: 608-819-2600