

THREE PARTY DESIGN ENGINEERING SERVICES CONTRACT  
SIGNATURE PAGES

ENGINEERING SERVICES CONTRACT

BETWEEN THE WISCONSIN DEPARTMENT OF TRANSPORTATION,

CITY OF RACINE (MUNICIPALITY)

AND EMCS, INC. (CONSULTANT) FOR

Project ID 2703-05-03  
City of Racine  
Spring Street (CTH C)  
Fairway Dr to STH 38  
Racine County

This CONTRACT made and entered into by and between the DEPARTMENT, MUNICIPALITY and the CONSULTANT provides for those SERVICES described in the Scope of Services and Special Provisions and is generally for the purpose of providing the SERVICES solicited by the MUNICIPALITY in Request for Qualifications Spring Street from Fairway Dr to STH 38, dated January 24, 2025 for design engineering and PS&E services This Qualification Based Selection was made based on the CONSULTANT'S Notice of Interest response and any interviews conducted.

The DEPARTMENT and MUNICIPALITY deem it advisable to engage the CONSULTANT to provide certain engineering SERVICES and has authority to contract for these SERVICES under sec. 84.01(13), Wis. Stats.

The DEPARTMENT REPRESENTATIVE is: Michael Baird; Local Program Project Manager; 141 NW Barstow St, Waukesha, WI 53188; Michael.Baird@dot.wi.gov; and (262) 548-5918.

The MUNICIPALITY REPRESENTATIVE is: Ara Molitor; City Engineer; 730 Washington Avenue, Racine, WI 53403; ara.molitor@cityofracine.org; and (262) 636-9487.

The CONSULTANT REPRESENTATIVE is: Katie Nakles; Project Manager; 1300 W Canal St, Suite 200, Milwaukee, WI 53233; knakles@emcsinc.com; and (414) 347-1607.

The CONSULTANT SERVICES will be performed for the DEPARTMENT's Southeast Region office located in Waukesha, WI and will be completed by May 31, 2028. Deliver PROJECT DOCUMENTS to the Office of the City Engineer, 730 Washington Avenue, Racine, WI 53403, unless other directions are given by the DEPARTMENT.

Compensation for all SERVICES provided by the CONSULTANT under the terms of the CONTRACT will be from the:

☒ DEPARTMENT ☐ MUNICIPALITY

*EMCS, Inc.*

For all contract services, actual costs to the CONSULTANT up to \$346,315.20, plus a fixed fee of \$24,441.45, not to exceed \$370,756.65.

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*Chronicle Heritage*

For archaeological and historic surveys subcontracted to Chronicle Heritage, the CONSULTANT'S actual cost to Chronicle Heritage based on Chronicle Heritage's actual cost up to \$4,352.92 plus fixed fee of \$343.09, not to exceed \$4,696.01.

*Gestra Engineering, Inc.*

For geotechnical engineering services subcontracted to Gestra Engineering, Inc., the CONSULTANT'S actual cost to Gestra Engineering, Inc. not to exceed \$14,655.00 for units delivered based on rates in the table below.

Item Description	Quantity	Unit Type	Unit Cost Rate	Totals
Attenuator Truck	2	Daily	\$1,400.00	\$2,800.00
Daily Drilling Rate	2	Daily	\$2,600.00	\$5,200.00
Restoration	11	Pavement	\$70.00	\$770.00
Borehole Abandonment	100	Per Foot	\$8.50	\$850.00
Moisture Content	24	Each	\$10.00	\$240.00
LOI	1	Each	\$35.00	\$35.00
Atterberg Tests	2	Each	\$90.00	\$180.00
Administrator	2	Hourly	\$70.00	\$140.00
Staff Engineer	34	Hourly	\$110.00	\$3,740.00
Senior Engineer	4	Hourly	\$175.00	\$700.00

*Gewalt Hamilton Associates, Inc*

For intersection turning movement count services subcontracted to Gewalt Hamilton Associates, Inc., the CONSULTANT'S actual cost to Gewalt Hamilton Associates, Inc. not to exceed \$1,755.00 for units delivered based on rates in the table below.

Item Description	Quantity	Unit Type	Unit Cost Rate	Totals
Turning Movement Counts	13	Hours	\$135.00	\$1,755.00

Compensation for all SERVICES provided by the CONSULTANT under the terms of the CONTRACT shall be for an amount not to exceed \$391,862.66.

The CONSULTANT does and will comply with the laws and regulations relating to the profession of engineering and will provide the desired engineering SERVICES.

This CONTRACT incorporates and the parties agree to all of the standard provisions of the Three Party Design Engineering Services Contract, dated July 1, 2015 and referenced in Procedure 8-15-1 of the State of Wisconsin Department of Transportation Facilities Development Manual. CONSULTANT acknowledges receipt of a copy of these standard provisions.

This CONTRACT incorporates all of the MANUALS defined in the CONTRACT.

The parties also agree to all of the Special Provisions which are annexed and made a part of this CONTRACT, consisting of 19 pages.

Nothing in this CONTRACT accords any third part beneficiary rights whatsoever on any non-party that may be enforced by any non-party to this contract.

THREE PARTY DESIGN ENGINEERING SERVICES CONTRACT  
SIGNATURE PAGES

For the CONSULTANT

By: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

For the DEPARTMENT

By: \_\_\_\_\_

Contract Manager, WisDOT

Date: \_\_\_\_\_

For the MUNICIPALITY

By: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

For the MUNICIPALITY \_\_\_\_\_

By: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

For the MUNICIPALITY

By: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

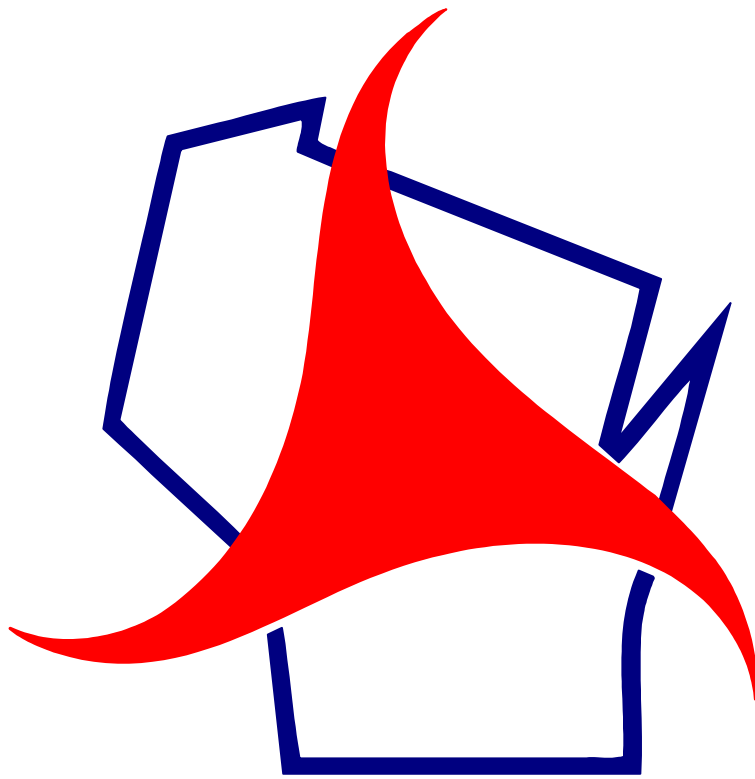
For the MUNICIPALITY \_\_\_\_\_

By: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

## Three-Party Design Contract Special Provisions



*January 03, 2017*

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## **VI. SPECIAL PROVISIONS**

This scope document applies to ID 2703-05-03 for Spring Street (CTH C) from Fairway Drive to 303 feet west of STH 38 in the City of Racine, Racine County, excluding the segment of roadway from Valley View Drive to 173-feet east of Colonial Drive East. This scope includes efforts through final PS&E deliverables.

The project is a STP-Urban project administered by the City of Racine through the WisDOT Local Program. The anticipated improvement is a mill and overlay with signal replacement at the intersection of Osborne Blvd. Alternatives analysis for the typical section of the roadway would be included. The improvement type is Resurfacing (code: RESUR), Improvement Strategy is Rehabilitation, utilize S-2 design criteria. Anticipated funding is 80% federal and 20% local.

### *SCOPE OF SERVICES*

#### **A. DESIGN REPORTS**

(1) Design Study Report

Prepare a Modernization and Rehabilitation Design Study Report (DSR). Submit the report to the MUNICIPALITY for recommendation of approval, and to the DEPARTMENT for concurrence.

The DSR includes associated supplementary reports:

- Encroachment Report: Prepare an encroachment report for the PROJECT only in areas of anticipated real estate acquisition. Submit to the MUNICIPALITY for approval.
- Complete Streets/Due Consideration for Bicycle and Pedestrian Accommodations Report
- Curb ramp infeasibility report (if needed)
- Design Justification (if needed)

(2) Transportation Management Plan (TMP)

Perform traffic analysis to determine anticipated delays for the selected construction staging approach.

Prepare a Type 2 Transportation Management Plan (TMP) at 60% and 90% according to the MANUAL, for review by the DEPARTMENT.

(3) Drainage Design/Stormwater Report

Prepare a limited Drainage Design Report, using the first two sheets of the DEPARTMENT'S Stormwater Spreadsheet, at the 60% and 90% stages and submit the report for DEPARTMENT approval.

Design of solutions to address increased runoff is not included and is considered extra services. TSS analysis efforts are not included and are considered extra services.

(4) Pavement Design Report

Prepare an abbreviated pavement design report including structural design. Life Cycle Cost Analysis is not included and is considered extra services. Submit to the MUNICIPALITY for approval.

## **B. ENVIRONMENTAL DOCUMENTATION**

Execute a disclosure statement as required by 40 CFR 1506.5(c).

(1) Prepare a CEC Environmental document for the PROJECT as specified in the MANUAL and Chapter TRANS 400, Wisconsin Administrative Code. Furnish the required number to the DEPARTMENT for approval.

Prepare an environmental document that evaluates reasonable alternatives to the PROJECT and consider other reasonable actions or activities that may achieve the same or similar goals of the proposed highway PROJECT, including other or additional transportation alternatives and intermodal opportunities and the alternative of taking no action. Evaluate alternative courses of action based upon a balanced consideration of the environment, public comments, and the need for safe and efficient transportation consistent with local, state, and national environmental goals. Prepare environmental documents that are concise and emphasize significant environmental issues and plausible alternatives. Comply with requirements specified in the MANUAL and TRANS 400, Wisconsin Administrative Code. In the event of a conflict between the MANUAL and TRANS 400, Wisconsin Administrative Code, the administrative rule supersedes.

(2) Agricultural Impact Notice:



An Agricultural Impact Notice is not anticipated and, if required, would be considered extra services.

(3) Section 4(f) Evaluation:

A section 4(f) evaluation is not anticipated and, if required, would be considered extra services.

(4) Section 6(f) Evaluation:

A section 6(f) evaluation is not anticipated and, if required, would be considered extra services.

(5) Historical and Archaeological Surveys and Studies:

- (a) Identify the Area of Potential Effect for the PROJECT. Conduct a reconnaissance survey as specified in the MANUAL. Submit the results of the archaeological and historical reconnaissance and evaluation studies to the region project manager. Obtain recommendations from SHPO, the historian and the Project Manager regarding historical/architectural reconnaissance surveys. Obtain recommendations from the archaeologist, Bureau of Environment and the Project Manager prior to conducting evaluation studies when further work is needed.
- (b) Prepare a report as required in the "Guidelines for Preparation of Formal Report on Archaeological Materials or Sites" in accordance with the MANUAL. Document the results of the reconnaissance survey for architecture/history using the "Architecture/History Survey Form".
- (c) Conduct further study(ies), in accordance with the MANUAL, to document the eligibility of site(s) for inclusion in the National Register of Historic Places.
- (d) Prepare and submit the Section 106 Review form to the DEPARTMENT for review and approval.

(6) Noise Analysis:

A noise analysis is not anticipated and, if required, would be considered extra services.

(7) Air Quality:

- (a) If this PROJECT is located in a nonattainment area for ozone (O<sub>3</sub>) or particulate matter (PM), or is part of the federal Congestion Mitigation and Air Quality (CMAQ) program, certain restrictions may apply. Appropriate sections of the Clean Air Act should be consulted.

NOTE: On May 21, 2012, United States Environmental Protection Agency (EPA) published in the Federal Register the final rule for Air Quality Designations for the 2008 Ozone National Ambient Air Quality Standards (pages 30088–30169). On June 11, 2012, EPA also published in the Federal Register the final rule for Air Quality Designations for the 2008 Ozone National Ambient Air Quality Standards for Several Counties in Illinois, Indiana, and Wisconsin; Corrections to Inadvertent Errors in Prior Designations (pages 34221–34228). These documents designate the following areas in Wisconsin as not attaining the 2008 8-hour ozone standard:

Kenosha County (part)                      Nonattainment (Marginal)

Pleasant Prairie Township and Somers Township:

<http://www.gpo.gov/fdsys/pkg/FR-2012-06-11/pdf/2012-14097.pdf>

Sheboygan County                      Nonattainment (Marginal)

<http://www.gpo.gov/fdsys/pkg/FR-2012-05-21/pdf/2012-11618.pdf>

NOTE: On November 13, 2009, EPA published in the Federal Register the final rule for Air Quality Designations for the 2006 24-Hour Fine Particle (PM<sub>2.5</sub>) National Ambient Air Quality Standards (pages 58688–58781). EPA designated three Wisconsin counties as not attaining the 2006 24-hour PM<sub>2.5</sub> standard. In April 2014, EPA redesignated the three-county area in southeastern Wisconsin as attaining the 2006 24-hour standard for fine particulate matter, or PM<sub>2.5</sub>. As a result of this action, all counties in Wisconsin now meet the National Ambient Air Quality Standards (NAAQS) for particle pollution.

Milwaukee County                      Maintenance

Racine County                      Maintenance

Waukesha County                      Maintenance

Some of these counties are likely to be designated by USDOT as transportation management areas. The Secretary of USDOT is required to designate all urbanized areas over 200,000 population as transportation management areas, and additional areas upon the request of the Governor and the metropolitan planning organization designated for such area or the affected local officials. On April 16, 1992, the Milwaukee and Madison urbanized areas were designated as transportation management areas by FHWA.

Computer modeling of air analysis is not anticipated and, if required, would be considered extra services.

- (8) Hazardous Materials/Contamination Assessments
  - (a) The CONSULTANT shall conduct a Phase I investigation for the intersection of Spring St and Osborne Blvd in accordance with the MANUAL, . A Phase I investigation is not anticipated for the remainder of the PROJECT and would be considered extra services.

### **C. AGENCY COORDINATION**

- (1) Section 401 and 402 Certifications:

Evaluate the effects of the PROJECT on water quality, in accordance with the provisions of the Clean Water Act and Chapter TRANS 400, Wisconsin Administrative Code and the MANUAL; and prepare the necessary application. The application for the permit shall be submitted at the Draft PS&E phase of the project.
- (2) Section 404 Permits:

SEWRPC will review the intersection for presence of wetlands and provide wetland delineation, surveyed points of wetland boundaries, and the wetland report. Wetlands are anticipated within the project limits.

The CONSULTANT shall evaluate the potential for discharge of fill materials into the waters of the United States, in accordance with the provisions of the Clean Water Act and Chapter TRANS 400, Wisconsin Administrative Code and the procedures as set forth in the MANUAL, and shall prepare the necessary permit application.
- (3) Section 9 and 10 permits are not anticipated and, if required, would be considered extra services.
- (4) Coordinate with agencies as set forth in the MANUALS, including:

- WI Department of Natural Resources (WDNR)
- US Fish and Wildlife Service (USFWS)
- Native American Tribes
- Federal Aviation Administration (FAA) and WisDOT Bureau of Aeronautics (BOA)
- Wisconsin State Historic Preservation Office (via Section 106)
- City of Racine Transit Services (RYDE)
- Racine Water Utility
- Racines Wastewater Utility

#### ***D. RAILROAD/ UTILITY INVOLVEMENTS***

(1) Railroad Negotiations/Agreements

Railroad coordination is not anticipated and, if required, would be considered extra services.

(2) Utility Coordination

Perform all utility coordination in accordance with:

- a) The MANUAL
- b) Non-TRANS 220
- c) The WisDOT “Guide to Utility Coordination”
- d) The “Local Project Utility Coordination Task” as agreed upon 2/18/2025.

(3) The MUNICIPALITY will provide the CONSULTANT with a list of known utilities on the PROJECT and a list of contact personnel for utility coordination. This list is not warranted to be complete, but is furnished to assist the CONSULTANT. Verify and update the list.

(4) Confer as needed with all utility facility owners in the project vicinity to establish mutual understanding on design features of the project affecting utility facilities, and shall keep the MUNICIPALITY informed of all such coordination activities. Provide the MUNICIPALITY with plans and information that will allow it to meet its planned utility coordination schedule.

(5) Utility Negotiations/Agreements will be completed by the MUNICIPALITY.

(6)

## **E. PUBLIC INVOLVEMENT**

- (1) Maintain a log of public and agency involvement activities.
- (2) Assist the MUNICIPALITY in answering all questions received from the general public.
- (3) Public Involvement Meetings (PIMs):
  - (a) Conduct two public involvement meetings and explain to the public concepts and probable impacts of this PROJECT. Two staff from the CONSULTANT will attend each PIM.
  - (b) Prepare all exhibits and supplementary handout material and provide the equipment necessary to conduct the public involvement meetings. Open house PIMs are anticipated; preparation of presentations is not anticipated and, if required, would be considered extra services.
  - (c) Prepare a summary report after the public involvement meetings.
  - (d) Discuss with the MUNICIPALITY the comments received and recommend the possible disposition of these comments and suggestions after the public involvement meetings.
  - (e) Make all the necessary arrangements for scheduling the public involvement meetings and provide notices for the MUNICIPALITY'S use.
  - (f) Provide the MUNICIPALITY with copies of all public involvement correspondence and file notes.
  - (g) Coordinate meeting schedules with the MUNICIPALITY'S representative.
- (4) Project Mailings:
  - (a) Identify and update a database of the key stakeholder groups including officials, property owners, and physical site addresses that may be impacted by the PROJECT. This list will be used to generate invitations to the PIMs and ultimately for notification of construction activities. The total entries in the project mailing list are anticipated to be approximately 120.
  - (b) Maintain the project stakeholder database and update it on a regular basis.
  - (c) Prior to each PIM, prepare and send a PIM invite to the project mailing list.

- (d) Mail initial project notification letters to property owners directly adjacent to the PROJECT to notify the owners of the PROJECT and upcoming field data collection for environmental purposes, soil borings, traffic counts, survey and other design purposes. Reference to statutory rights of entry will be included.
- (5) Other Meetings
  - (a) Attend up to two (2) meetings with local business owners or property owners. Two staff from the CONSULTANT will attend each meeting.

## **F. MEETINGS**

- (1) Hold 30%, 60%, and 90% Design Review Meetings with the MUNICIPALITY and DEPARTMENT staff. Two staff from the CONSULTANT will attend each review meeting. Meetings are expected to be virtual.
- (3) Conduct field reviews at the following stages: project inception, 30% design, 60% design, and 90% design. Two staff from the CONSULTANT will attend each field review.
- (4) Conduct one (2) coordination meetings with utilities having facilities on the PROJECT. Two staff from the CONSULTANT will attend each utility meeting.
- (5) Coordinate with Racine County Department of Public works for proposed county roadway work in the section from Valley View Drive to 173-feet east of Colonial Drive East.

## **H. SURVEYS**

- 1) Perform surveys referenced to Wisconsin Coordinate Reference System (WISCRS) NAD 83, (2011) adjustment, NAVD 88(2012) adjustment, Racine County Zone, and Geoid 18, in US Survey Feet.
  - a. Set horizontal and vertical project control in accordance with the MANUAL.
- 2) The limits/extents of the horizontal and vertical control survey are 3 FENO 1000 monuments to be placed along Spring Street between Fairway Drive and STH 38.
- 3) File Diggers Hotline locate requests for underground utility facilities within the project limits. Promptly survey marked facilities. Facilities include but are not limited to: Gas, Telephone, Communications, Cable TV, Fiber Optic, Electric,

Water, Oil, Petroleum, Sanitary Sewer, Sanitary Force Mains, Steam, and Storm Sewer. Compare marked and surveyed facilities to utility system maps to identify discrepancies and work with utility owner to rectify. For any member facility owners that did not mark their utility facilities, submit 1 No-Show Relocate ticket specifying which member facility owners that were notified failed to mark their facilities on the specified job site. The CONSULTANT shall re-mobilize up to 1 time to survey utilities not marked in the original locate request.

- a. The limits /extents of the utility survey are right-of-way to right-of-way on Spring Street between 50' west of Fairway Drive to STH 38 and 100 feet down all sideroads.
- 4) System maps will be reviewed, and any missing utilities will be shown in an UTIL-APPROX.dwg file
- 5) Conduct full topographic and utility surveys for the preparation of existing planimetric mapping and Digital Terrain Model surface model.
  - a. The limits/extents of the topographic and utility surveys are right-of-way to right-of-way on Spring Street between 50' west of Fairway Drive to STH 38 and 100 feet down all sideroads. A 30' radius will be surveyed at all curb ramp locations.
- 6) Provide traffic control during survey operations in accordance with the Manual on Uniform Traffic Control Devices.
- 7) Locate and survey the necessary United States Public Land Survey System (USPLSS) section corners, quarter section corners, block corners and other corner monuments of record in platted areas for the preparation of acquisition plats, descriptions, or exhibits. It is estimated that 8 corners need to be located.
  - a. The limits/extents of the USPLSS corner and other corner monuments survey in the SE1/4 of Section 7, SW1/4 and SE1/4 of Section 8 in T03N, R23E
- 8) Locate and survey existing property monuments from prior plats and surveys of record to support the determination of existing property and R/W lines.
  - a. The limits/extents of the existing property monument survey is right-of-way to right-of-way on Spring Street from Fairway Drive to STH 38 and down side streets as needed to create the existing right-of-way
- 9) Locate borings within project limits
- 10) GoPro video in each direction of the project limits
- 11) Conduct surveys that provide information necessary for the preparation of plats and acquisition of rights of way, interests, and property. Provide right-of-way

monumentation information electronically in accordance with the MANUAL.

- 12) Upon request, field locate and temporarily mark the new right-of-way boundaries including all temporary and permanent easements in a manner which will facilitate the appraisal of all affected parcels and perform one survey effort for the re-staking parcels. Staking activities shall be coordinated with the MUNICIPALITY'S real estate section to provide at least two weeks lead time for the MUNICIPALITY to notify property owners. Coordinate with MUNICIPALITY Plat or Survey Coordinator to use proper control and datums/adjustments.
- 13) Final Monumentation of Right of Way & Permanent Easements
- 14) Monument the new and reestablished right-of-way and permanent easement points, as depicted on the transportation project plat(s) or traditional plat sheet(s) and set WisDOT R/W posts with R/W and Survey plaques at each location directed by the DEPARTMENT, prior to construction. Monumentation shall be set as soon as practicable after acquisition to facilitate the relocation of affected utilities.
- 15) Prepare and submit an as-staked document showing the location(s) and type of monument(s) that were set. The as-staked document will contain the signature and PLS stamp of the surveyor who was responsible for the staking along with the date when the work was completed. File a copy of the as-staked document at the appropriate County Surveyors office.

## ***I. SOILS AND SUBSURFACE INVESTIGATIONS***

- (1) Perform up to ten (10) borings of the existing pavement structure (including base courses and shoulders) and (1) borings of the existing ground where monotubes are proposed in order to determine quantities and qualities of materials available for project needs. The pavement borings will be performed at 10-foot depth, and the boring for the monotubes will be a 15- to 20-foot depth, depending on conditions. Concrete or asphalt will be used within pavement per the MUNICIPALITY's requirements.

Traffic control for borings is included.



All boreholes and monitoring wells shall be backfilled as per the April 20, 1992 guidelines titled "Wisconsin Department of Transportation Geotechnical Unit - Drilled Borehole and Monitoring Well Abandonment Procedures".

Record final borehole location, referenced to project stationing, offset and elevation datum. CONSULTANT shall provide final boring location GPS coordinates and provide a Google Earth image of project site showing coordinate correct as-drilled boring locations.

- (2) Perform subsurface investigations to analyze project geotechnical concerns and provide full detailed recommendations. The soils shall be classified by pedological means to provide pavement design parameters.
- (3) Prepare a Soils Report in accordance with the current WisDOT Geotechnical Design MANUALS. Recommend additional subsurface SERVICES, if warranted.
- (4) Transmit to the MUNICIPALITY gINT software boring logs for all completed borings, using the DEPARTMENT'S gINT template (contact Dan Reid for the template, 608-246-7946). Send these to the following email location at the time of PSE submittal: [DOTDTSDGeotechnicalgINT@dot.wi.gov](mailto:DOTDTSDGeotechnicalgINT@dot.wi.gov).
- (5) Transmit to the MUNICIPALITY all soils laboratory testing summary and testing data sheets for tests performed on the soil and rock samples collected during the investigation. In addition, transmit the results of any field tests including vane shear tests, pressure meter tests and cone penetrometer tests. Send this in a .pdf format that references the DEPARTMENTS design project I.D., and send them to the followings email location at the time of PSE submittal: [DOTDTSDGeotechnicalSirLab@dot.wi.gov](mailto:DOTDTSDGeotechnicalSirLab@dot.wi.gov).
- (6) Transmit to the MUNICIPALITY all Soil Reports relating to structures, roadways, pavements and environment. Send this in a .pdf format that references the DEPARTMENTS design project I.D., and send them to the followings email location at the time of PSE submittal: [DOTDTSDGeotechnicalSirLab@dot.wi.gov](mailto:DOTDTSDGeotechnicalSirLab@dot.wi.gov)

## **J. ROAD PLANS**

- (1) Section II C (9) in the Standard Provision of the CONTRACT is amended to include the following plans:
  - Title Sheet
  - General Notes
  - Project Overview
  - Typical Sections

- Construction Details
  - Curb Ramp Details
  - Plan Details
  - Paving Grades
  - Erosion Control (staged)
  - Storm Sewer Plan (including profile views, if needed)
  - Signing Plans (removals, proposed, sign plate detail sheets)
  - Signal Plans (removals, proposed)
  - Lighting Plans (removals and proposed)
  - Pavement Marking Plan
  - Traffic Control Staging Plan
  - Alignment Plan
  - Survey Control
  - Right of Way Plat
  - Plan and Profile (includes removals)
- (2) The CONSULTANT will develop and submit 30%, 60%, 90%, and final PS&E deliverables.
- (3) The CONSULTANT will design a mill and overlay of the corridor, including curb ramp reconstruction, cost estimates, and safety and traffic assessments to improve safety and operations. Modifications may include a reduction of through lanes, addition of bicycle accommodations, modifications to existing on-street parking, and modifications to signal and lighting equipment locations.
- Drainage improvements would be limited to the replacement of deficient structures and pipes. The MUNICIPALITY will provide the CONSULTANT with locations of drainage structures and pipes that require replacement based on condition.
- (4) Traffic signal replacement will include monotube poles at Osborne Blvd.
- (5) Photometric analysis for lighting is not anticipated and, if required, would be considered extra services.

## **L. PLATS**

- (1) Prepare a Transportation Project Plat for up to 10 traditional plat sheets or 40 parcels for the PROJECT in accordance with the MANUALS and WisDOT Guide to Utility Coordination.
- (2) Provide coordinate information in Wisconsin Coordinate Reference System Coordinates (WISCRS) Racine County NAD 1983, (2011) adjustment, in US Survey Feet.
- (3) Prepare Transportation Project Plats sheets in accordance with the MANUALS using WISDOT-provided Civil 3D file templates and related CAD components.
- (4) Provide an electronic CSV file with unique point IDs of right of way points, permanent easement points, found monuments, alignment PI's and USPLSS corners on the project.
- (5) Provide an electronic report describing elements within the alignments and an electronic XML file, for each alignment.
- (6) Provide an electronic Coordinate Geometry (COGO) report of the exterior boundaries of the right of way as depicted on each TPP, right of way envelope or description, which specifies closure and precision of the traverse.
- (7) Submit a final full size, 22" x 34" portable document format (PDF), unless otherwise specified by the MUNICIPALITY, in accordance with the MANUALS upon final approval of the MUNICIPALITY.
- (8) Provide the MUNICIPALITY with a utility exhibit in PDF format depicting utility facilities and interests in accordance with the MANUALS.
- (9) The MUNICIPALITY will provide the CONSULTANT the title searches and updates necessary to determine property lines and current ownerships for the PROJECT.
- (10) Prepare the descriptions and relocation order, when applicable, in a format directed by the MUNICIPALITY. The MUNICIPALITY will be responsible for the recording of descriptions and filing the relocation order with the applicable county.
- (11) Revise the transportation project plat and descriptions, until the transportation project plat is recorded with the County Register of Deeds Office.

## **N. TRAFFIC**

### **(1) Traffic Counts**

Collect average weekday intersection turning movement counts (6 am – 7 pm) at the intersection of Osborne Blvd.

The MUNICIPALITY will provide the CONSULTANT with 48-hour average weekday segment tube counts along Spring Street.

### **(2) Traffic Forecasting**

Prepare traffic forecasting for the study area for the construction year and design year turning movements for the weekday AM, midday, and PM peak hours. Submit to the MUNICIPALITY for review.

### **(3) Traffic Analysis**

Analyze the PROJECT area for the weekday AM, midday, and PM peak hours for the following conditions:

- Existing traffic volumes and existing geometry with no improvements (existing)
- Design year traffic volumes and existing geometry with no improvements (no-build)

Design year traffic volumes with recommended geometry improvements (two alternatives anticipated) to provide acceptable levels of service for all movements (build)

Analyze turn bay lengths based on FDM standards and the MUNICIPALITY'S turn bay preferences and document the recommended turn bay lengths. Provide the recommendations to the MUNICIPALITY and the DEPARTMENT for approval.

### **(4) Crash Analysis**

Perform crash analysis for the most recent 5-years for the corridor. To determine areas of safety deficiencies for potential improvements under the project, review crash rates vs. statewide averages and upper control limits.

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(5) Traffic Report

Prepare an abbreviated report that summarizes the collected traffic data, forecasts, capacity analyses, crash analysis, and recommendations. Submit to the MUNICIPALITY for review and approval.

**O. SERVICES PROVIDED BY THE MUNICIPALITY**

The MUNICIPALITY will provide to the CONSULTANT the following for the PROJECT:

1. As-built plans, existing plats
2. Utility contact list – not warranted to be complete, but is furnished to assist the CONSULTANT
3. Maintenance concerns
4. Corridor traffic counts, 48-hour average
5. Locations of storm sewer structure and pipe replacement
6. Title searches
7. Real estate appraisals and acquisition
8. Utility cost agreement negotiations and approvals
9. Proposed signal timings
10. Parked car inventory

**P. PROSECUTION AND PROGRESS**

- (1) The CONSULTANT shall report on the progress of the PROJECT. Standard benchmarks, consistent with the DEPARTMENT'S internal staff benchmarks, will be reported monthly to the DEPARTMENT and MUNICIPALITY. The report will be delivered via email to the MUNICIPALITY and DEPARTMENT.
- (2) The CONSULTANT proposes to sublet these services to
  - Gestra Engineering, Inc: soil borings and report
  - Commonwealth Heritage Group, Inc: archaeological and historic evaluations
  - Gewalt Hamilton Associates, Inc: intersection turning movement counts
- (3) Design PC specifications (for design staff working on an engineer's estimate) – Contracts with projects that have PS&E dates for February 1, 2019, and beyond, go to the AASHTOWare Project Knowledge Base website, <https://awpkb.dot.wi.gov/Content/Default.htm>, for information about supported operating systems and web browsers, how to obtain system access, and how to use AASHTOWare Project Preconstruction and AASHTOWare Project Estimator to create an engineer's estimate.

- (4) The following items of work will be completed and submitted to the MUNICIPALITY by the indicated dates, if CONSULTANT has received the Notice to Proceed by April 1, 2025.


Report Title	Date
Initial Project Notifications	April 2025
Traffic Counts, Forecast, Analysis	May 2024
Traffic Report	7/1/2025
Soils Report	7/1/2025
Pavement Design Report	8/1/2025
Section 106 submittal	11/1/2025
30% Plans, Draft Environmental Document	12/1/2025
Environmental Document Approval	January 2026
60% Plans/TMP/ Draft DSR Submittal /Prelim Plat	10/1/2026
DSR Approval	11/1/2026
Final Plat	12/1/2026
Plans to Utilities	12/1/2026
90% Plans/TMP/Draft PSE	9/1/2027
Final PS&E	11/1/2027
Letting	3/14/2028



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**Date:** February 20, 2025 W-2968

**To:** Katie Nakles, PE  
EMCS, Inc.

**From:** Greg Rainka 

**Subject:** Proposal – Archaeological and Architecture/History Investigations  
WisDOT Project ID 2703-05-03  
Spring Street  
Fairway Drive to 303 Feet West of STH 38  
Racine County

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Commonwealth Heritage Group, LLC, dba Chronicle Heritage (Chronicle) is pleased to present the following proposal to EMCS, Inc. (EMCS) for cultural resources services for the subject road project in Racine. It is our understanding that archaeological and architecture/history investigations are needed pursuant to Section 106 of the National Historic Preservation Act and its implementing regulations. The project will resurface the roadway and replace curb ramps, among other improvements.

## **ARCHAEOLOGICAL INVESTIGATIONS**

### **Area of Potential Effects**

Chronicle assumes the Area of Potential Effects (APE) for archaeology will be defined the existing and proposed right-of-way and easements within the project limits and encompass all areas of potential ground disturbance associated with project construction.

### **Archaeological Survey**

Chronicle will complete a Phase I archaeological survey of the APE. The survey will include a records review using the Wisconsin Historic Preservation Database (WHPD) to identify previously documented cultural resources located within the project area, to identify any cultural resource investigations that have previously taken place, and to provide information on the expected types and location parameters of cultural resources within the APE and a surrounding one-mile radius. To supplement the site file data, Chronicle will conduct a review of readily available online historic mapping (both plat maps and USGS maps) and modern aerial, NWI, and county soils mapping of the APE. The survey will satisfy the requirements of the Wisconsin State Historic Preservation Office (SHPO) and Section 106 and also will adhere to the *Guidelines for Public Archeology in Wisconsin* (2012) and WisDOT's *Guide to Transportation Archaeology* (2012).

Survey will be conducted employing standard archaeological techniques and may include both shovel testing and pedestrian (walkover) survey. Pedestrian survey will involve walking in 15-meter intervals in areas with ground surface visibility greater than 10 percent. In areas which are not visibly disturbed and do not have good surface visibility, systematic shovel testing will be required and consist minimally of 25-

centimeter diameter holes excavated until sterile soil is encountered. Where needed, shovel tests will be excavated at 15-meter intervals. Excavated soils will be screened through ¼-inch wire mesh and examined for evidence of cultural materials. No more than 10 shovel tests will be needed.

Profiles will be described for each shovel test. Notes will be recorded concerning the soil stratigraphy (including Munsell color designations and texture) and any artifacts encountered. All shovel tests will be assigned a unique designation that will be mapped within the APE prior to the field survey, and then documented during the field survey with sub-meter accurate geographic positioning system (GPS) equipment. If cultural material is encountered, additional radial shovel tests will be placed at 5-meter intervals as needed to define the horizontal extent of the cultural material. During fieldwork, standard forms will be completed by the field crew. Archaeological sites and positive finds within shovel tests will be noted on the forms. Artifacts will be bagged and assigned numbers by their locations. Photographs will be taken of the general project area.

It is assumed that EMCS will be responsible for notifying landowners of the project where archaeological survey may need to be conducted outside of the existing right-of-way. Fieldwork will commence a minimum of seven days after landowner notification letters have been mailed. It also is assumed that EMCS will provide preliminary design plans and/or files prior to commencement of the survey to facilitate Chronicle's delineation of the APE and use of GPS equipment during fieldwork.

### **Report Preparation**

Chronicle assumes no new archaeological sites will be found. The results of the survey will therefore be documented in an Archaeological Survey Field Report (ASFR) and Archaeological Records and Literature Review form in lieu of a formal report. Should a new site be found, a formal Phase I survey report will be required to fully document the site and provide sufficient information to make a preliminary evaluation regarding National Register of Historic Places (National Register) eligibility. The preparation of a formal Phase I survey report and Determination of Eligibility (DOE) for any identified archaeological sites are not included in this proposal.

## **ARCHITECTURE/HISTORY INVESTIGATIONS**

### **Area of Potential Effects**

Chronicle assumes the APE for architecture/history will be defined to include properties adjacent to proposed curb ramp work. There will be no effects to properties adjacent only to roadway resurfacing (mill and overlay).

### **Architecture/History Survey**

Chronicle will conduct background and archival research and review the WHPD to determine if any properties in the APE were previously surveyed. Chronicle will then complete an architecture/ history survey of the APE in accordance with the WisDOT's *Architecture/History Survey Manual* (October 2024). We will identify, photograph, and assess the National Register eligibility of individual buildings, structures, and objects, as well as any districts that are present. Additional photographs depicting streetscapes and viewsheds will be provided as needed to document the APE.

Chronicle assumes the following for the architecture/history survey:

- Up to three properties will require survey/resurvey.
- No properties will be identified with potential architectural or historical significance.



## **Report Preparation**

The results of the architecture/history survey will be documented in an Architecture/History Survey Report (AHSR), as required by WisDOT and the SHPO.

## **OTHER SERVICES INCLUDED**

In addition to the archaeological and architecture/history investigations, Chronicle may assist EMCS with completing the Section 106 form (DT1635) and will notify local historical societies and other local interested parties to solicit comments about the project and its potential to affect historic properties.

## **SCHEDULE**

Chronicle assumes the archaeological and architecture/history investigations and associated reporting will be completed in 2025.

The contract completion date is May 31, 2028.

## **COST**

Based on our assumptions, Chronicle proposes to complete archaeological and architecture/history surveys and associated reporting (ASFR and AHSR) for the proposed Spring Street project in Racine for actual costs up to \$4,352.92 plus a fixed fee of \$343.09 for a total cost not to exceed \$4,696.01. See the attached spreadsheets for a breakdown of costs.

Chronicle Heritage  
ID 2703-05-03  
Spring Street  
Fairway Drive to 303 Feet West of STH 38  
Racine County

Summary of Staff Hours and Direct Labor Costs

Classification		Project Manager, Senior Architectural Historian		Architectural Historian		Archaeological Principal Investigator		Archaeological Technician		GIS/Graphics			
Rate		\$47.55		\$28.85		\$36.54		\$25.50		\$26.44		Total Direct Labor	
Task	Activity Code	Hours	Dollars	Hours	Dollars	Hours	Dollars	Hours	Dollars	Hours	Dollars	Hours	Dollars
Analyze Archaeological and Historical Impact	763	6	\$285.30	24	\$692.40	6	\$219.24	10	\$255.00	8	\$211.52	54	\$1,663.46
TOTAL:		6	\$285.30	24	\$692.40	6	\$219.24	10	\$255.00	8	\$211.52	54	\$1,663.46

Chronicle Heritage  
ID 2703-05-03  
Spring Street  
Fairway Drive to 303 Feet West of STH 38  
Racine County

**Consultant Direct Labor Rates**

Employee Name	Classification	Current Rate	% Pay Increase	New Pay Rate	Date of Increase	% Work at Current Rate	% Work at Increased Rate	Weighted Average Hourly Rate
G. Rainka	Project Manager, QA/QC	\$47.55	2.70%	\$48.83	1/1/2026	100.00%	0.00%	\$47.55
K. Stanger	Architectural Historian	\$28.85	2.70%	\$29.63	1/1/2026	100.00%	0.00%	\$28.85
R. Jones	Archaeological Principal Investigator	\$36.54	2.70%	\$37.53	1/1/2026	100.00%	0.00%	\$36.54
D. Strange	Archaeological Technician	\$25.50	2.70%	\$26.19	1/1/2026	100.00%	0.00%	\$25.50
P. Moriarity	GIS/Graphics	\$26.44	2.70%	\$27.15	1/1/2026	100.00%	0.00%	\$26.44

Contract Completion Date: 5/31/2028

Chronicle Heritage  
ID 2703-05-03  
Spring Street  
Fairway Drive to 303 Feet West of STH 38  
Racine County

**Fee Computation Summary by Engineering Task**

Task	Activity Code	Direct Labor Costs	Indirect Costs	Fixed Fee	Direct Expenses	Total
Analyze Archaeological and Historical Impact	763	\$1,663.46	\$2,354.46	\$343.09	\$335.00	\$4,696.01
TOTAL:		\$1,663.46	\$2,354.46	\$343.09	\$335.00	\$4,696.01

CONSULTANT Home Office Overhead Rate (%): 141.54  
CONSULTANT Fixed Fee Indirect Cost Rate (%): 150.00  
Fixed Fee (%): 8.25

**Chronicle Heritage**  
**ID 2703-05-03**  
**Spring Street**  
**Fairway Drive to 303 Feet West of STH 38**  
**Racine County**

**Direct Expenses by Item**

Item	Unit Amount	Unit Type	Rate	Total Expenses
Vehicle Rental and Fuel	2	day	\$150.00	\$300.00
Survey Equipment (GPS Unit)	1	day	\$35.00	\$35.00
TOTAL				\$335.00

**Chronicle Heritage**  
**ID 2703-05-03**  
**Spring Street**  
**Fairway Drive to 303 Feet West of STH 38**  
**Racine County**

**Consultant Contract Total Fee Computation**

<b>Project IDs</b>	<b>2703-05-03</b>	<b>Total for Contract</b>
<b>Number of Staff Hours</b>	54	<b>54</b>
<b>Total Direct Labor</b>	\$1,663.46	<b>\$1,663.46</b>
<b>Total Indirect Costs</b>	\$2,354.46	<b>\$2,354.46</b>
<b>Fixed Fee</b>	\$343.09	<b>\$343.09</b>
<b>Direct Expenses</b>	\$335.00	<b>\$335.00</b>
<b>Subtotal</b>	<b>\$4,696.01</b>	<b>\$4,696.01</b>
<b>TOTAL COST</b>	<b>\$4,696.01</b>	<b>\$4,696.01</b>

**CONSULTANT Home Office Overhead Rate (%): 141.54**  
**CONSULTANT Fixed Fee Indirect Cost Rate (%): 150.00**  
**Fixed Fee (%): 8.25**



GESTRA Engineering, Inc.  
191 W. Edgerton Avenue  
Milwaukee, WI 53207  
Phone: (414) 933-7444  
Fax: (414) 933-7844

February 19, 2025

Katie Nakles, PE  
EMCS, Inc.  
1300 West Canal Street, Suite 200  
Milwaukee, WI 53233

Re: Proposal for Geotechnical Engineering Services  
Spring Street (Fairway Drive to 303 ft west of STH 38)  
City of Racine, Racine County  
WisDOT Project ID: 2703-05-03/73  
GESTRA Proposal: P25070-10

Dear Ms. Nakles,

GESTRA Engineering, Inc. (GESTRA) appreciates the opportunity to provide this proposal for the geotechnical engineering services for the above-referenced project. The following proposal outlines the scope of work to be performed and the fees for providing these services.

#### Project Description

The project limits are from Spring Street from Fairway Drive to 303 feet west of STH 38 (approximately 1.1 miles). A 0.2-mile portion from the east leg of Valley View Drive to 170 feet east of Colonial Drive is within Racine County jurisdiction and would be omitted from the evaluation. Therefore, the explored length of Spring Street would be about 0.9 miles.

The project is planned as a resurfacing rather than a full reconstruction. Base patching and curb/gutter replacement would be done on an as-needed basis.

#### Scope of Geotechnical Exploration Work:

GESTRA proposes the following scope of work.

1. Contact Diggers Hotline to identify public utility locations prior to drilling.
2. Set up traffic control per the Manual on Uniform Traffic Control Devices. Traffic control will include use of an attenuator truck behind the drill rig due to high traffic volumes and speeds. It is assumed in this proposal that work from 9am to 3pm, Monday through Friday, will be authorized by the City of Racine. Borings are assumed to be all in the right lane of the eastbound travel direction. Borings would not be staggered between EB and WB travel directions because overhead lines are located along the entire north side of the roadway.
3. Perform approximately 10 SPT borings to a depth of about 7 feet (6 feet of continuous SPT sample starting at bottom of pavement section) for the roadway subgrade evaluation.

Perform 1 SPT boring to up to 20 feet in depth near the SW corner of the intersection of Osborne Blvd. and Spring Street to evaluate conditions for monotubes at the intersection.

4. The above borings would be drilled through the existing pavement, which would be measured with a tape to the nearest ½-inch in thickness. Borings performed in pavement will be surfaced patched with cold patch asphalt or quick set concrete (to match adjacent pavement). If cold patch asphalt is used a stemming plug will be added to reduce the potential for settlement of the patch.
5. Perform laboratory soil tests to assign classification and engineering properties to the soils encountered. Testing may include hand penetrometer, moisture content, loss on ignition (organic content), Atterberg limits and percent passing #200 sieve.
6. Prepare a geotechnical engineering report presenting the field exploration and laboratory test results, providing the following recommendations:
  - a. Pavement design parameters based on WisDOT pavement design guidance (Wisconsin Design Group Index (DGI), frost class classification (FI), soil support value (SSV), modulus for subgrade reaction (k), and drainage class.
  - b. Construction Considerations including identifying borings where poor subgrade was encountered, and base patching may be prudent. Estimate anticipated depth of EBS.

#### Fees

Our estimate for the investigation for the described scope of work is \$14,655.00. This includes:

For drilling, geotechnical testing, and geotechnical engineering services, subcontracted to GESTRA, the CONSULTANT's actual cost to GESTRA not to exceed \$14,655.00 for units delivered by GESTRA based on rates in the attached table.

Item Description	Unit Type	Unit Rate
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See our attachment to this proposal for the Cost per Unit Table involved here.

Contract completion May 31, 2028.

Sincerely,

GESTRA Engineering, Inc.



Doug Bath, P.E.  
Senior Engineer

Attachments: Cost per Unit table





GESTRA Engineering, Inc.  
191 W Edgerton Ave  
Milwaukee, WI 53207  
(414) 933-7444

### Breakdown of Cost per Unit Items

Proposal Spring Street, City of Racine  
WisDOT Project ID 2703-05-03/73  
Client EMCS  
Date February 18, 2025

### Field Work - Drilling Services

	Units	Quantity	Unit Rate	Total Est.	Remarks
Daily Drilling	Daily	2	\$2,600.00	\$5,200.00	10x7 ft (continuous) and 1x20 ft
Borehole Abandonment	per Foot	100	\$8.50	\$850.00	with bentonite chips
Attenuator Truck	Daily	2	\$1,400.00	\$2,800.00	
Restoration	Pavement	11	\$70.00	\$770.00	concrete or cold patch w/ stemming plug
Staff Engineer	Hourly	7	\$110.00	\$770.00	Boring Layout (no coordinates/elevation)
Staff Engineer	Hourly	5	\$110.00	\$550.00	Drilling Coordination, utilities, site access
Sub-Total				\$10,940.00	

### Laboratory Testing Services

Staff Engineer	Each	6	\$110.00	\$660.00	Sample review and gINT log preparation
Moisture Content	Each	24	\$10.00	\$240.00	
Organic Content (LOI)	Each	1	\$35.00	\$35.00	
Atterberg Limits	Each	2	\$90.00	\$180.00	
Sub-Total				\$1,115.00	

### Engineering Services

Staff Engineer	Hourly	16	\$110.00	\$1,760.00	
Senior Engineer	Hourly	4	\$175.00	\$700.00	
Administrator	Hourly	2	\$70.00	\$140.00	
Sub-Total				\$2,600.00	

**Total**

**\$14,655.00**

February 19, 2025

**Ms. Katie Nakles, PE**

*Project Manager*

**EMCS, Inc.**

1300 W. Canal St. Suite 200

Milwaukee, WI 53233

Re: **Proposal for Traffic Data Collection Professional Services**

Racine, WI

GHA Proposal No. 2025.D099

*Project ID: 2703-05-03/73 - Spring St, City of Racine*

Dear Ms. Nakles:

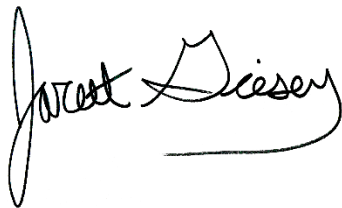
Thank you for your consideration of Gewalt Hamilton Associates, Inc. (GHA) to provide Data Collection Services for the above-mentioned project.

This proposal is based on GHA's understanding of the project as per your recent request.

If our proposal is acceptable, please sign one copy and return it to our office. We are pleased to have the opportunity to make our services available to you and look forward to assisting you on this project, which has a completion date of May 31, 2028.

Sincerely,

**Gewalt Hamilton Associates, Inc.**



Jarett M. Giesey

Data Collection Project Manager

[JGiesey@gha-engineers.com](mailto:JGiesey@gha-engineers.com)

Enc.: GHA Proposal No. 2025.D099

**Proposal for Professional Services**  
**Traffic Data Collection**

Racine, WI

GHA Proposal No. 2025.D099

625 Forest Edge Drive ■ Vernon Hills, IL 60061

847.478.9700 ■ [GHA-Engineers.com](http://GHA-Engineers.com)

EMCS, Inc. (Client), 1300 W. Canal St. Suite 200, Milwaukee, WI 53233, and Gewalt Hamilton Associates, Inc. (GHA), 625 Forest Edge Drive, Vernon Hills, IL 60061, agree and contract as follows:

**I. Project Understanding**

The Client is requesting one (1) traffic count in Racine, WI.

**II. Traffic Data Collection Services**

GHA will provide the following services:

A. Turning Movement Count (TMC)

Location(s):

1. Spring Street & North Osborne Boulevard

Collection Details

- a. Typical Weekday (Tuesday, Wednesday and/or Thursday)
- b. 13-hours at each location
- c. 6AM-7PM CST
- d. Lights / Mediums / Articulated Trucks
  1. Classification Grouping includes Standard Rate Classification
  2. Bicycles and Pedestrians in Crosswalks are not included.
  3. Bicycles on the Roadway are not included.

Deliverable

- a. Data will be processed with a normal processing turnaround time and will be shared with the Client as soon as it is available.

**III. Project Schedule**

GHA will schedule the work as soon as possible after written authorization to proceed.

- The completion date shall be May 31, 2028

**IV. Services Not Included**

Should additional services be required or expanded beyond those outlined in Section II: Traffic Data Collection Services of this Agreement, GHA will request written authorization prior to commencing the work.

**V. Compensation for Services**

Based upon the scope of services and understanding of the requested work, GHA proposes to complete the work as described above for a **not to exceed** fee as outlined below:

Item Description	Qty	Unit	Qty	Unit	Total	Unit	Fee	Unit	Fee	Unit
A.1 TMC 13-Hours	1	ea	13.0	hr	13.0	hr	\$135.00	hr	\$1,755.00	\$1,755.00
Sub-total Professional Service Fees (A):									\$1,755.00	\$1,755.00
Total for Professional Service Fees:									\$1,755.00	\$1,755.00

The proposed **not to exceed** fee includes all necessary personnel, equipment, deployment, and processing to complete the data collection as described. Reimbursable expenses, including items such as photos, postage, messenger services, printing, truck usage and/or mileage, etc., are included in the lump sum fee.

GHA assumes the study will be completed within one deployment. If additional deployments are requested, an adjustment to the fee may be necessary. GHA will provide the Client with a written estimate of any additional fees prior to commencing such work.

Recounts will be completed at no charge to the Client for equipment failures.

Cancellations shall be made within 24-hours of the scheduled deployment to avoid fees.

The Client shall be responsible for delayed or cancelled work that is out of GHA's control such as construction, road closures, accidents, vandalism, or theft of equipment.

The client shall be responsible for notifying WisDOT and the City of Racine prior to the scheduled deployment.

An invoice will be submitted upon completion of the study and will detail charges made against the project and services provided. Invoices will be submitted through WisDOT CARS.

## VI. General Conditions

The delineated services provided by Gewalt Hamilton Associates, Inc., (GHA) under this Agreement will be performed as reasonably required in accordance with the generally accepted standards for civil engineering and surveying services as reflected in the contract for this project at the time when and the place where the services are performed.

Nothing contained in this Agreement shall create a contractual relationship with or a cause of action in favor of a third party against either the Client or GHA. GHA's services under this Agreement are being performed solely for the Client's benefit, and no other party or entity shall have any claim against GHA because of this Agreement or the performance or nonperformance of services hereunder. In no event shall GHA be liable for any loss of profit or any consequential damages.

The Client and GHA agree that all disputes between them arising out of or relating to this Agreement, or the Project shall be submitted to nonbinding mediation in the state where the contract work has taken place unless the parties mutually agree otherwise.

This Agreement, including all subparts incorporated herein as the General Provisions of this Agreement, constitute the entire integrated agreement between the parties which may not be modified without all parties consenting thereto in writing.

**Summary of Staff Hours and Direct Labor Costs**



**Actual Cost Tasks**

**2703-05-03. SPRING ST (CTH C), FAIRWAY DR TO STH 38, RACINE COUNTY**

		Classification		Design Proj Mgr		Design Engr Senior		Design Engr Mid		Design Engr Entry		Design Tech Entry		Traffic Proj Mgr		Traffic Engr Mid		Survey Proj Mgr		Survey Tech High		Survey Tech Mid		Survey Tech Entry		GIS Tech		Admin Mid				
EMCS	PHASE	Avg. Hourly Wage		\$60.91		\$59.72		\$43.47		\$37.14		\$27.81		\$74.29		\$41.23		\$66.35		\$40.17		\$36.05		\$30.90		\$39.14		\$37.44		Total Direct Labor		
		PHASE	LONG NAME	Task	Activity Code	Hours	Dollars	Hours	Dollars	Hours	Dollars	Hours	Dollars	Hours	Dollars	Hours	Dollars	Hours	Dollars	Hours	Dollars	Hours	Dollars	Hours	Dollars	Hours	Dollars	Hours	Dollars	Hours	Dollars	
ADM	Administration	887 - Manage Project Scope and Schedule		887	83	\$5,055.53	0	\$0.00	9	\$391.23	11	\$408.54	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	10	\$374.40	113	\$6,229.70		
		888 - Manage Project Delivery		888	44	\$2,680.04	9	\$537.48	9	\$391.23	9	\$334.26	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	71	\$3,943.01		
PI	Public Involvement	743 - Manage Project Stakeholders		743	31	\$1,888.21	8	\$477.76	0	\$0.00	34	\$1,262.76	8	\$222.48	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	4	\$156.56	8	\$299.52	93	\$4,307.29		
ENV	Environmental	769 - Environmental Documentation and Agency Coordination		769	14	\$852.74	15	\$895.80	48	\$2,086.56	39	\$1,448.46	4	\$111.24	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	120	\$5,394.80		
UTIL-RR	Utility & RR Coordination	746 - Coordinate Utilities		746	6	\$365.46	13	\$776.36	4	\$173.88	52	\$1,931.28	2	\$55.62	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	77	\$3,302.60		
SUR	Survey	723 - Conduct and Process Existing Field Survey		723	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	54	\$3,582.90	240	\$9,640.80	16	\$576.80	220	\$6,798.00	0	\$0.00	0	\$0.00	530	\$20,598.50
PLT	Plat	726 - Survey Existing and Proposed Right-of-Way		726	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	20	\$1,327.00	36	\$1,446.12	0	\$0.00	60	\$1,854.00	0	\$0.00	116	\$4,627.12		
		897 - Place Monumentation		897	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	4	\$265.40	0	\$0.00	18	\$556.20	0	\$0.00	22	\$821.60				
		745 - Develop Plat		745	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	86	\$5,706.10	0	\$0.00	372	\$13,410.60	0	\$0.00	0	\$0.00	458	\$19,116.70		
DES	Design	776.7 - Design Geometrics		776.7	14	\$852.74	44	\$2,627.68	30	\$1,304.10	299	\$11,104.86	24	\$667.44	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	2	\$61.80	0	\$0.00	413	\$16,618.62		
		776.24 - Design Documentation		776.24	8	\$487.28	15	\$895.80	14	\$608.58	43	\$1,597.02	8	\$222.48	0	\$0.00	4	\$164.92	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	92	\$3,976.08		
		776.25 - Plan Preparation		776.25	5	\$304.55	16	\$955.52	24	\$1,043.28	28	\$1,039.92	135	\$3,754.35	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	208	\$7,097.62		
		786 - Develop Quantities, Estimates, and Develop PS&E		786	19	\$1,157.29	17	\$1,015.24	21	\$912.87	86	\$3,194.04	36	\$1,001.16	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	179	\$7,280.60		
TRA	Traffic	313 - Analyze Traffic Data/ Forecast		313	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	2	\$148.58	64	\$2,638.72	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	66	\$2,787.30		
		785 - Design Traffic Signal and Details		785	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	3	\$222.87	140	\$5,772.20	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	143	\$5,995.07		
		830 - Design Street Lighting		830	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	3	\$222.87	150	\$6,184.50	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	153	\$6,407.37		
		TOTAL:			224	\$13,643.84	137	\$8,181.64	159	\$6,911.73	601	\$22,321.14	217	\$6,034.77	8	\$594.32	358	\$14,760.34	164	\$10,881.40	276	\$11,086.92	388	\$13,987.40	300	\$9,270.00	4	\$156.56	18	\$673.92	2854	\$118,503.98



## Consultant Individual Direct Labor Rates

**2703-05-03, SPRING ST (CTH C), FAIRWAY DR TO STH 38, RACINE COUNTY**

Employee Name(a)	Classification(b)	Current Rate (c) 2025	% Pay Increase (d)	New Pay Rate(e) 2026	New Pay Rate(e) 2027	New Pay Rate(e) 2028	% Work at Current Rate(f) 2025	% Work at New Pay Rate(g) 2026	% Work at New Pay Rate(g) 2027	% Work at New Pay Rate(g) 2028	Weighted Average Hourly Rate(h)
387	Design Proj Mgr	\$59.13	2.7%	\$60.73	\$62.37	\$64.05	30%	35%	30%	5%	\$60.91
*	Design Engr Senior	\$57.98	2.7%	\$59.55	\$61.15	\$62.80	30%	35%	30%	5%	\$59.72
*	Design Engr Mid	\$42.20	2.7%	\$43.34	\$44.51	\$45.71	30%	35%	30%	5%	\$43.47
*	Design Engr Entry	\$36.06	2.7%	\$37.03	\$38.03	\$39.06	30%	35%	30%	5%	\$37.14
492	Design Tech Entry	\$27.00	2.7%	\$27.73	\$28.48	\$29.25	30%	35%	30%	5%	\$27.81
418	Traffic Proj Mgr	\$72.12	2.7%	\$74.07	\$76.07	\$78.12	30%	35%	30%	5%	\$74.29
*	Traffic Engr Mid	\$40.03	2.7%	\$41.11	\$42.22	\$43.36	30%	35%	30%	5%	\$41.23
335	Survey Proj Mgr	\$64.42	2.7%	\$66.16	\$67.95	\$69.78	30%	35%	30%	5%	\$66.35
406	Survey Tech High	\$39.00	2.7%	\$40.05	\$41.13	\$42.25	30%	35%	30%	5%	\$40.17
417	Survey Tech Mid	\$35.00	2.7%	\$35.95	\$36.92	\$37.91	30%	35%	30%	5%	\$36.05
455	Survey Tech Entry	\$30.00	2.7%	\$30.81	\$31.64	\$32.50	30%	35%	30%	5%	\$30.90
462	GIS Tech	\$38.00	2.7%	\$39.03	\$40.08	\$41.16	30%	35%	30%	5%	\$39.14
*	Admin Mid	\$36.35	2.7%	\$37.33	\$38.34	\$39.37	30%	35%	30%	5%	\$37.44

Anticipated Contract Start Date: 4/1/2025  
 Contract Completion Date: 5/31/2028  
 Date of increase: January 1 of each year

\* See Consultant Weighted Direct Labor Rates



## Consultant Weighted Direct Labor Rates

2703-05-03, SPRING ST (CTH C), FAIRWAY DR TO STH 38, RACINE COUNTY

Classification: Design Proj Mgr

Classification: Design Engr Senior

Employee Name(a)	Current Rate(b)	Percent Contribution(c)	(b*c)
420	\$54.81	90.00%	\$49.33
277	\$86.54	10.00%	\$8.65
<b>TOTAL</b>		100.00%	\$57.98

Classification: Design Engr Mid

Employee Name(a)	Current Rate(b)	Percent Contribution(c)	(b*c)
486	\$40.87	50.00%	\$20.44
441	\$43.51	50.00%	\$21.76
<b>TOTAL</b>		100.00%	\$42.20

Classification: Design Engr Entry

Employee Name(a)	Current Rate(b)	Percent Contribution(c)	(b*c)
478	\$36.54	80.00%	\$29.23
490	\$34.13	20.00%	\$6.83
<b>TOTAL</b>		100.00%	\$36.06

Classification: Traffic Engr Mid

Employee Name(a)	Current Rate(b)	Percent Contribution(c)	(b*c)
431	\$44.71	35.00%	\$15.65
463	\$37.50	65.00%	\$24.38
<b>TOTAL</b>		100.00%	\$40.03

Classification: Admin Mid

Employee Name(a)	Current Rate(b)	Percent Contribution(c)	(b*c)
379	\$35.00	55.00%	\$19.25
485	\$38.00	45.00%	\$17.10
<b>TOTAL</b>		100.00%	\$36.35

## Fee Computation Summary by Engineering Task



### Actual Cost Tasks

**2703-05-03, SPRING ST (CTH C), FAIRWAY DR TO STH 38, RACINE COUNTY**

EMCS	PHASE	Task	Activity Code	Direct Labor Costs	Firm Indirect Costs	Indirect Cost Rate to Compute Fixed Fee (150%)	Direct Expenses	Total
PHASE	LONG NAME				185.60%	8.25%		
ADM	Administration	887 - Manage Project Scope and Schedule	887	\$6,229.70	\$11,562.32	\$1,284.88	\$0.00	\$19,076.90
		888 - Manage Project Delivery	888	\$3,943.01	\$7,318.23	\$813.25	\$0.00	\$12,074.49
PI	Public Involvement	743 - Manage Project Stakeholders	743	\$4,307.29	\$7,994.33	\$888.38	\$936.80	\$14,126.80
ENV	Environmental	769 - Environmental Documentation and Agency Coordination	769	\$5,394.80	\$10,012.75	\$1,112.68	\$40.60	\$16,560.83
UTIL-RR	Utility & RR Coordination	746 - Coordinate Utilities	746	\$3,302.60	\$6,129.63	\$681.16	\$0.00	\$10,113.39
SUR	Survey	723 - Conduct and Process Existing Field Survey	723	\$20,598.50	\$38,230.82	\$4,248.44	\$4,715.43	\$67,793.19
PLT	Plat	726 - Survey Existing and Proposed Right-of-Way	726	\$4,627.12	\$8,587.93	\$954.34	\$1,664.00	\$15,833.39
		897 - Place Monumentation	897	\$821.60	\$1,524.89	\$169.46	\$308.00	\$2,823.95
		745 - Develop Plat	745	\$19,116.70	\$35,480.60	\$3,942.82	\$0.00	\$58,540.12
		776.7 - Design Geometrics	776.7	\$16,618.62	\$30,844.16	\$3,427.59	\$162.40	\$51,052.77
DES	Design	776.24 - Design Documentation	776.24	\$3,976.08	\$7,379.60	\$820.07	\$0.00	\$12,175.75
		776.25 - Plan Preparation	776.25	\$7,097.62	\$13,173.18	\$1,463.88	\$40.60	\$21,775.28
		786 - Develop Quantities, Estimates, and Develop PSE Documents	786	\$7,280.60	\$13,512.79	\$1,501.62	\$0.00	\$22,295.01
TRA	Traffic	313 - Analyze Traffic Data/ Forecast	313	\$2,787.30	\$5,173.23	\$574.88	\$0.00	\$8,535.41
		785 - Design Traffic Signal and Details	785	\$5,995.07	\$11,126.85	\$1,236.48	\$0.00	\$18,358.40
		830 - Design Street Lighting	830	\$6,407.37	\$11,892.08	\$1,321.52	\$0.00	\$19,620.97
		TOTAL:		\$118,503.98	\$219,943.39	\$24,441.45	\$7,867.83	\$370,756.65

Current Home Office Indirect Cost Rate:  
Indirect Cost Rate to Compute Fixed Fee:

185.60%  
150.00%

Fixed Fee: 8.25%





### Direct Costs by Item

#### 2703-05-03, SPRING ST (CTH C), FAIRWAY DR TO STH 38, RACINE COUNTY

					Items						
EMCS PHASE	PHASE LONG NAME	Task	Miles	Rate	Employee Vehicle Mileage	Company Vehicle Mileage	FENO 1000 Mon and Cap	Lodging (See Note 1)	Meals (See Note 2)	Postage (See Note 3)	Total Expenses
ADM	Administration	887 - Manage Project Scope and Schedule	0	\$0.700	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
		888 - Manage Project Delivery	0	\$0.700	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
PI	Public Involvement	743 - Manage Project Stakeholders	464	\$0.700	\$324.80	\$0.00	\$0.00	\$0.00	\$0.00	\$612.00	\$936.80
ENV	Environmental	769 - Environmental Documentation and Agency Coordination	58	\$0.700	\$40.60	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$40.60
UTIL-RR SUR	Utility & RR Survey	746 - Coordinate Utilities	0	\$0.700	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
		723 - Conduct and Process Existing Field Survey	1890	\$0.700	\$0.00	\$1,323.00	\$332.43	\$1,926.00	\$1,134.00	\$0.00	\$4,715.43
PLT	Plat	726 - Survey Existing and Proposed Right-of-Way	920	\$0.700	\$0.00	\$644.00	\$0.00	\$642.00	\$378.00	\$0.00	\$1,664.00
		897 - Place Monumentation	440	\$0.700	\$0.00	\$308.00	\$0.00	\$0.00	\$0.00	\$0.00	\$308.00
DES	Design	745 - Develop Plat	0	\$0.700	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
		776.7 - Design Geometrics	232	\$0.700	\$162.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$162.40
		776.24 - Design Documentation	0	\$0.700	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
		776.25 - Plan Preparation	58	\$0.700	\$40.60	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$40.60
TRA	Traffic	786 - Develop Quantities, Estimates, and Develop PSE Documents	0	\$0.700	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
		313 - Analyze Traffic Data/ Forecast	0	\$0.700	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
		785 - Design Traffic Signal and Details	0	\$0.700	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
		830 - Design Street Lighting	0	\$0.700	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
TOTAL			4062								\$7,867.83

Nights of Lodging	Staff	Lodging Rate	Total Lodging
12	2	\$ 107.00	\$ 2,568.00
		Total	\$ 2,568.00

(1) EMCS survey crew is located in Wausau, WI (200 miles from project site)

Meals	Cost per meal	Days	Staff	Total Meals
Breakfast	\$ 16.00	12	2	\$ 384.00
Lunch	\$ 19.00	12	2	\$ 456.00
Dinner	\$ 28.00	12	2	\$ 672.00
				\$ 1,512.00

(2) Meals are included per EMCS policy, which allows meal reimbursement up to \$63 per day for employees traveling on behalf of the company where an overnight stay is required.

(3) Postage is for 300 stamps for each mailing (3 total) at \$0.68 per stamp



## Consultant Contract Total Fee Computation

<b>Project ID</b>	<b>2703-05-03, SPRING ST (CTH C), FAIRWAY DR TO STH 38, RACINE COUNTY</b>	<b>Total for Contract</b>
<b>Number of Staff Hours</b>	<b>2854</b>	<b>2854</b>
<b>Total Direct Labor</b>	<b>\$118,503.98</b>	<b>\$118,503.98</b>
<b>Total Indirect Costs</b>	<b>\$219,943.39</b>	<b>\$219,943.39</b>
<b>Fixed Fee</b>	<b>\$24,441.45</b>	<b>\$24,441.45</b>
<b>Direct Costs</b>	<b>\$7,867.83</b>	<b>\$7,867.83</b>
<b>Subtotal</b>	<b>\$370,756.65</b>	<b>\$370,756.65</b>
<b>Chronicle Heritage</b>	<b>\$4,696.01</b>	<b>\$4,696.01</b>
<b>Gestra</b>	<b>\$14,655.00</b>	<b>\$14,655.00</b>
<b>GHA</b>	<b>\$1,755.00</b>	<b>\$1,755.00</b>
<b>Subcontract Subtotal</b>	<b>\$21,106.01</b>	<b>\$21,106.01</b>
<b>TOTAL COST:</b>	<b>\$391,862.66</b>	<b>\$391,862.66</b>

**Current Home Office Indirect Cost  
Rate:**

**185.60%**

**8.25%**

**Indirect Cost Rate to Compute Fixed  
Fee:**

**150.00%**