

THREE PARTY DESIGN ENGINEERING SERVICES CONTRACT
SIGNATURE PAGES

ENGINEERING SERVICES CONTRACT

BETWEEN THE WISCONSIN DEPARTMENT OF TRANSPORTATION,

CITY OF RACINE (MUNICIPALITY)

AND GRAEF-USA, INC. (CONSULTANT) FOR

ID 2703-05-01
6th Street Bridge
Over Root River (P-51-0064)
Local Street, Racine County

ID 2703-05-02
6th Street Bridge
Over vacated Howe Street (P-51-0067)
Local Street, 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 the Request for Qualifications for Professional Services in the Design of the 6th Street Bridges over Root River (P-51-0064) and vacated Howe Street (P-51-0067). 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; SE Region LPPM; 141 NW Barstow Street, Waukesha, WI 53188; michael.baird@dot.wi.gov; and (414) 750-3079.

The MUNICIPALITY REPRESENTATIVE is: John Rooney; Commissioner of Public Works, City of Racine; 730 Washington Avenue, Racine, WI 53403' john.rooney@cityofracine.org; and (262) 636-9460.

The CONSULTANT REPRESENTATIVE is: Kevin Wood; Senior Bridge Engineer; 275 West Wisconsin Avenue, Suite 300, Milwaukee, WI 53203; kevin.wood@graef-usa.com; and (414) 266-9144.

The CONSULTANT SERVICES will be performed for the DEPARTMENT's Southeast Region office located in Waukesha, WI and will be completed by April 1, 2025. Deliver PROJECT DOCUMENTS to 141 NW Barstow Street, Waukesha, WI 53188, 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

For basic design services for WisDOT ID 2703-05-01 including administration and coordination, survey, agency and utility coordination, design reports, public involvement; structure design, environmental documentation, meetings and the production of PS&E documents performed by CONSULTANT, a lump sum of \$182,059.93.

For basic design services for WisDOT ID 2703-05-02 including administration and coordination, survey, agency and utility coordination, design reports, public involvement; structure design, environmental

THREE PARTY DESIGN ENGINEERING SERVICES CONTRACT
SIGNATURE PAGES

documentation, meetings and the production of PS&E documents performed by CONSULTANT, a lump sum of \$72,209.49.

Compensation for all SERVICES provided by the CONSULTANT under the terms of the CONTRACT shall be for a lump sum amount not to exceed \$254,269.42.

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 10 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.

For the CONSULTANT

For the DEPARTMENT

By: _____

By: _____

Title: _____

Contract Manager, WisDOT

Date: _____

Date: _____

For the MUNICIPALITY

Attest:

By: _____

By: _____

Cory Mason

Tara McMenamin

Title: _____ Mayor _____

Title: _____ City Clerk _____

Date: _____

Date: _____

THREE PARTY DESIGN ENGINEERING SERVICES CONTRACT
SIGNATURE PAGES

By: _____
Kathleen Fischer

Title: _____
Finance Director

Date: _____

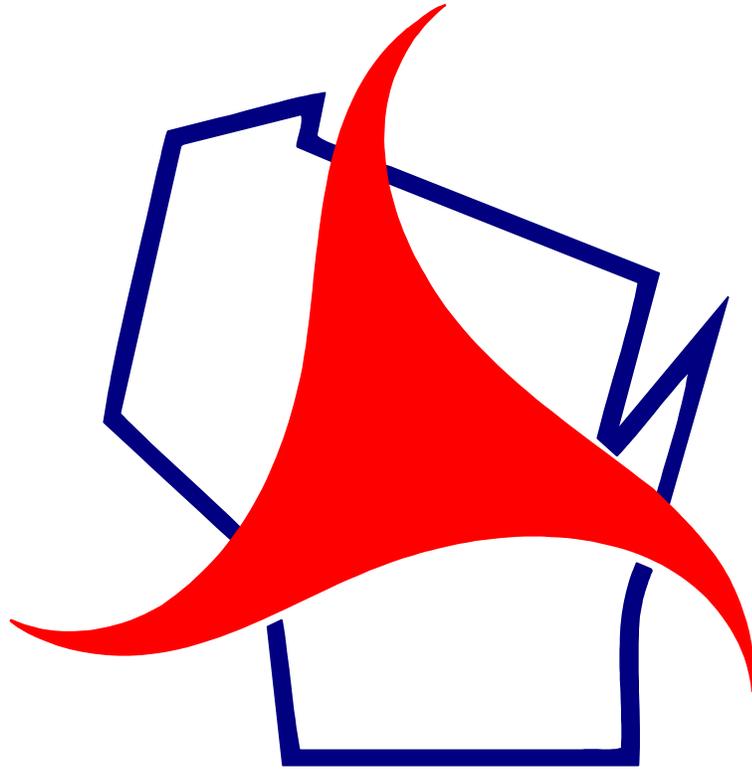
APPROVED AS TO FORM:

By: _____
Scott R. Letteney

Title: _____
City Attorney

Date: _____

Three-Party Design Contract Special Provisions



January 03, 2017

SCOPE OF SERVICES 1

- A. DESIGN REPORTS 1
- B. ENVIRONMENTAL DOCUMENTATION 1
- C. AGENCY COORDINATION 2
- D. RAILROAD/ UTILITY INVOLVEMENTS 3
- E. PUBLIC INVOLVEMENT 4
- F. MEETINGS 5
- G. LOCATING 6
- H. SURVEYS 6
- I. SOILS AND SUBSURFACE INVESTIGATIONS 6
- J. ROAD PLANS 6
- K. STRUCTURE PLANS 7
- L. PLATS 9
- M. HIGHWAY SYSTEM CHANGES 9
- N. TRAFFIC 9
- O. SERVICES PROVIDED BY THE MUNICIPALITY 9

PROSECUTION AND PROGRESS 9

VI. SPECIAL PROVISIONS

SCOPE OF SERVICES

A. DESIGN REPORTS

All reports shall be combined as a single report for project IDs 2703-05-01 and 2703-05-02.

- (1) Request for Exceptions to Design Standards: Not included.
- (2) Encroachment Report: Not included.
- (3) Other Reports:

Prepare the following engineering reports/analyses as directed by the MUNICIPALITY:

a) Complete Streets Documentation

The CONSULTANT shall prepare a Bike and Pedestrian Accommodation memorandum to be included with the Design Study Report for the project according to the MANUAL.

b) TMP

1. The CONSULTANT shall prepare a Transportation Management Plan (TMP) Type 2 for the proposed improvements. The primary elements will consist of developing a Traffic Control Plan (TCP) and a Public Information and Outreach Plan (PIOP) that includes project notification to targeted roadway user groups.
2. The development of a traffic operations plan (TOP) and incident management plan (IMP) are not anticipated as part of the TMP and shall be considered "Extra Work" if they are deemed necessary.

c) Design Study Report

Prepare a Design Study Report (DSR) as set forth in the MANUAL.

B. ENVIRONMENTAL DOCUMENTATION

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

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 MUNICIPALITY for approval. The environmental document shall be combined as a single report for project IDs 2703-05-01 and 2703-05-02.

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.

- (1) Environmental Assessments: Not included.
- (2) Environmental Impact Statements: Not included.
- (3) Agricultural Impact Notice: Not included.
- (4) Section 4(f) Evaluation:

Describe the impact of this PROJECT upon lands protected under Section 4(f) of the Federal-Aid Highway Act of 1968, as amended, and the findings to the MUNICIPALITY for evaluation by the DEPARTMENT and the FHWA. Prepare a Section 4(f) evaluation in accordance with the MANUAL.

It is anticipated that a de minimis determination will be prepared for the temporary closure of the Root River Parkway. Additional evaluations are not included and will be considered extra services.

- (5) Section 6(f) Evaluation: Not included.
- (6) Historical and Archaeological Surveys and Studies: Not included.
- (7) Noise Analysis: Not included.
- (8) Air Quality: Not included.
- (9) Hazardous Materials/Contamination Assessments: Not included.

C. AGENCY COORDINATION

All agency coordination shall be combined for project IDs 2703-05-01 and 2703-05-02.

- (1) Section 401 and 402 Certifications: Not included.
- (2) Section 404 Permits: Not included.
- (3) Section 9 and 10 Permits: Not included.
- (4) Threatened and Endangered (T/E) Species:

Coordinate with the U.S. Fish and Wildlife Services (FWS) in accordance with the MANUAL. Request a T/E species list from the FWS IPAC website. Any coordination associated with T&E indicated by the WDNR will be considered Extra Services.

Conduct a Bridge/Structure Bat Assessment to determine the presence of bat species or habitat. Additional T/E species assessments are not included, and are considered Extra Services.

Coordination to acquire an Incidental Take Authorization (ITA) is not included and will be considered Extra Services.

(5) Native American Tribes:

Prepare notification email and submit to the DEPARTMENT for review. The DEPARTMENT will submit to Tribes. The email and three (3) hardcopies will be sent by the DEPARTMENT.

(6) Federal Aviation Administration:

Complete consultation with FAA for project design engineering requirements in accordance with the MANUAL. Notification for requirements for construction equipment will be considered "Extra Services".

(7) WisDOT-Bureau of Aeronautics:

Initiate consultation with WisDOT-Bureau of Aeronautics via the WisDOT BOA Transportation Project Coordination Form.

(8) Wisconsin Department of Natural Resources:

Complete consultation with the WDNR.

- a) Complete NHI Review via WDNR Public Portal for state listed species.
- b) Prepare DNR Project Coordination Request checklist and submit to the DEPARTMENT for review and approval prior to submitting.
- c) Prepare necessary application for Section 401 Certification to 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.
- d) Prepare Transportation Regional General Permit (TCGP).

D. RAILROAD/ UTILITY INVOLVEMENTS

All railroad/utility coordination shall be combined for project IDs 2703-05-01 and 2703-05-02.

- (1) Railroad Negotiations/Agreements: Not included.

(2) Utility Coordination

Perform all utility coordination in accordance with:

- a) The MANUAL
 - b) TRANS 220 Process (TRANS 220 does not apply)
 - c) The WisDOT "Guide to Utility Coordination"
 - d) The "Utility Coordination Task List for Design Consultant Contracts" as agreed upon September 13, 2023.
- (3) The DEPARTMENT/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 on an ongoing basis 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: Not included.

E. PUBLIC INVOLVEMENT

All public involvement shall be combined for project IDs 2703-05-01 and 2703-05-02.

- (1) Public Involvement Meetings:
- (a) Conduct or assist the MUNICIPALITY in holding one public involvement meeting and explain to the public concepts and probable impacts of this PROJECT.
 - (b) Prepare all exhibits and supplementary handout material and provide the equipment necessary to conduct the public involvement meeting(s).
 - (c) Prepare a summary report after the public involvement meeting(s).
 - (d) Discuss with the MUNICIPALITY the comments received and recommend the possible disposition of these comments and suggestions after the public involvement meeting(s).
 - (e) Make all the necessary arrangements for scheduling the public involvement meeting(s) and provide notices and press releases 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.
- (2) Formal Public Hearing: Not included.
- (3) Open Forum Public Hearing: Not included.
- (4) Project Mailings, Newsletters:
 - (a) The MUNICIPALITY will prepare a pre-formatted database for project mailings, newsletters, or any contact lists.
 - (b) The CONSULTANT will print and mail project notification letters to notify property owners of the PROJECT and upcoming field data collection for environmental purposes, survey and other design purposes. The mailing would include approximately 20 adjacent properties.
 - (c) The CONSULTANT will print and mail the public involvement meeting newsletters with information provided by the CONSULTANT. The CONSULTANT shall prepare invitations in a newsletter format for the public involvement meeting. The mailing would include approximately 20 adjacent properties.

F. MEETINGS

All meetings shall be combined for project IDs 2703-05-01 and 2703-05-02.

- (1) Attend or hold a virtual Operational Planning Meeting to discuss the organization and processing of the Services under this CONTRACT.
- (2) One meeting shall be held with local officials approximately two weeks prior to the Public Informational Meeting(s).
- (3) One meeting shall be held with the MUNICIPALITY'S staff approximately two weeks ahead of the local official's meeting for the purpose of reviewing exhibits, handouts, and presentations.
- (4) A Final Plan Review Meeting with the MUNICIPALITY shall be held approximately 45 - 60 days ahead of the P.S. & E. submittal date.
- (5) Attend the pre-construction conference as scheduled by the MUNICIPALITY.
- (6) Eight meeting(s) shall be held to plan, review, and coordinate the PROJECT with the MUNICIPALITY'S staff.
- (7) Conduct one virtual coordination meeting with utilities having facilities on the PROJECT.
- (8) Conduct one field review meeting in combination with the SSR site visit.

G. LOCATING: Not Included

H. SURVEYS

- (1) Section corners are anticipated to be not required for the project. If section corners are required for the project, it shall be considered Extra Work.
- (2) The CONSULTANT shall make such surveys as are necessary to accomplish the Services under this CONTRACT in accordance with the MANUAL. Such surveys shall be complete, detailed and as accurate as necessary to develop plans for the design of the PROJECT and to yield the data necessary for computation of the quantities of the items of work in the construction of the PROJECT.
 - (a) Establish Primary and Secondary control within the project corridor. The topographic survey will be established in the Wisconsin Coordinate Reference System, Racine County (NAD83, 2011), U.S. Survey Foot. Vertical coordinates are referenced to NAVD 88 (2012).
 - (b) Coordinate with Digger's Hotline to have existing utilities marked within the project corridor right-of-way. Perform utility survey to collect utility information marked by others. Sanitary and storm sewer depths will be measured from above by the CONSULTANT to determine the existing systems invert elevations within the project limits.
- (3) CONSULTANT Topographic survey shall include:
 - a) All pertinent information necessary for the design of the roadway improvements within the defined limits below:
 - a. Survey limits to extend 200-feet on either side of the Sixth Street bridges over Root River and vacated Howe Street. Survey includes bridge deck features and structural approaches.

I. SOILS AND SUBSURFACE INVESTIGATIONS: Not Included

J. ROAD PLANS

All roadway plans shall be combined for project IDs 2703-05-01 and 2703-05-02.

Section II C (9) in the Standard Provision of the CONTRACT is amended to include the following plans:

- 1) Title Sheet

- 2) Typical Cross Sections and General Notes
 - 3) Project Overview – Single sheet schematic drawing
 - 4) Construction Details
 - 5) Removal Plan (included on plan details)
 - 6) Plan Details (including roadway elements and geometric layouts)
 - 7) Pavement Grades (included on plan details)
 - 8) Erosion Control Plan
 - 9) Permanent Signing Plan (included on pavement marking plan)
 - 10) Pavement Marking Plan
 - 11) Traffic Control Plan
 - 12) Detour Plan
 - 13) Alignment Plan
 - 14) Miscellaneous Quantities
 - 15) Sign Plates
- (1) Road Plans shall be designed in accordance with the current practices of the DEPARTMENT and in accordance with the principles, standards and practices adopted by the DEPARTMENT and shall be developed in accordance to, or be coordinated with, the latest edition of the STANDARD SPECIFICATIONS.
 - (2) 30% plans will include Title Sheet, General Notes, Project Overview, Construction Details, Typical Sections, Plan Details, and Plan & Profiles.
 - (3) In preparation of Road Plans, the CONSULTANT shall prepare and furnish to the MUNICIPALITY specifications for construction work included in the plans which are not covered by the STANDARD SPECIFICATIONS, and such amendments to or revisions of the STANDARD SPECIFICATIONS as may be required to properly cover the work call for in the plans.

K. STRUCTURE PLANS

- (1) General
 - a. Prepare a Structure Survey Report, which includes a discussion of structure sizing, in accordance with the MANUAL. The completed preliminary plan shall show the structure plan, elevation, and typical cross section, and all pertinent data shall appear on the first sheet(s) of the completed structure plans. Four prints of this plan and the Structure Survey Report shall be submitted to the MUNICIPALITY for review. The MUNICIPALITY will review this preliminary plan and the Structure Survey Report and return one print to the CONSULTANT showing requested revisions, if any.
 - b. Plans for Structures shall be fully dimensioned besides showing controlling elevations. The plans shall be prepared with such precision and detail to allow for the convenient layout in the field with customary degree of accuracy, and to allow for the production of an accurate estimate of quantities for all pertinent items of work to be performed in the PROJECT.

- c. Plans for Structures shall include schedules for bar steel reinforcement. Such schedules shall provide all of the necessary detail required for the fabrication of the reinforcement without the necessity of making separate shop drawings for that purpose.
- d. When the plans for a structure have been completed the CONSULTANT shall furnish the MUNICIPALITY with three sets of prints of such plans for review and examination.
- e. Submit electronic copies for review and examination of all specifications for items of work in the Structure Plans which are not covered by the STANDARD SPECIFICATIONS and such amendments to or revisions of the STANDARD SPECIFICATIONS as may be required to properly cover the work contemplated by the plans.
- f. Plans will be subject to review and examination by the MUNICIPALITY. Such review and examination may be made on the site of the PROJECT.
- g. Along with the plans for structures submit one electronic copy of the design computations for the MUNICIPALITY'S review and permanent file.
- h. When the plans for structures are to be prepared by others, the MUNICIPALITY and the CONSULTANT(S) shall provide each other with the necessary pertinent information to effect the proper correlation between the Road Plans and the Structure Plans.
- i. Furnish such other pertinent information and data with respect to the plans and design as the MUNICIPALITY may request.

(2) 6th Street over Root River Bridge B-51-64 (Project ID 2703-05-01)

- a. A concrete overlay shall be designed and detailed. Plans will include sheets detailing the overlay and joint replacements. Nominal deck repair quantities based on field observations and existing inspection reports will be included.
- b. The overlay plans will not include profiles or elevations.
- c. The existing bridge will be rated by the Load Factor Rating (LFD) method. Interior and exterior girders will be checked and the load rating calculated for each. Increasing the load rating of the girders is not part of this contract.
- d. Plans will indicate ostensible repair areas and locations for the bridge superstructure, parapets, abutments and piers.
- e. Elimination of deck drains on the bridge will be investigated.
- f. Details and special provisions will be created to remove the deteriorating public artwork on the parapets inside faces.

(3) 6th Street over Vacated Howe Street Bridge B-51-67 (Project ID 2703-05-02)

- a. Field investigation will include use of a bucket truck to access the abutments from vacated Howe Street. The investigation will measure crack widths along the abutment front faces. Excessively wide cracks will be further investigated to check for reflection through to the back face with assistance from City crews to

excavate under the approach. Findings will be used to detail abutment repairs if needed.

- b. A concrete overlay shall be designed and detailed.
- c. Nominal slab repair quantities based on field observations and existing inspection reports will be included. It is anticipated that localized full depth slab repairs will be used to address the wide longitudinal and diagonal cracks.
- d. The overlay plans will not include profiles or elevations.
- e. The existing bridge will be rated by the Load Factor Rating (LFD) method. Interior slab strip will be checked and the load rating calculated. Increasing the load rating of the slab is not part of this contract.
- f. Plans will indicate ostensible repair areas and locations for the bridge superstructure, parapets, and abutments.

L. PLATS: Not Included

M. HIGHWAY SYSTEM CHANGES: Not Included

N. TRAFFIC

- (1) Develop traffic projections from MUNICIPALITY provided traffic counts for the design and construction years.

O. SERVICES PROVIDED BY THE MUNICIPALITY

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

- 1. Mailing list for public involvement meeting.
- 2. Existing/as-built roadway and structure plans, as available.
- 3. Local approach excavation and restoration for vacated Howe Street bridge abutment investigation.

PROSECUTION AND PROGRESS

- (1) The MUNICIPALITY shall report on the progress of the PROJECT as stipulated in the contract agreement. Standard benchmarks, consistent with DEPARTMENT'S internal staff benchmarks, will be reported monthly to the DEPARTMENT. The actual start, projected or actual finish date, and percent of work complete will be included for all relevant benchmarks on any project report required for delivery to DEPARTMENT staff. The report can be delivered in electronic format consistent with current DEPARTMENT standards (Microsoft Project), or on paper.
- (2) Design PC specifications (for design staff working on an engineer's estimate) – Contracts with projects that have PS&E dates of February 1, 2019, and beyond, go to the AASHTOWare Project Knowledge Base web site, <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 October 30, 2023.

Report Title	Date
Operational Planning Meeting	November 2023
Design Survey Complete	November 2023
30% Plan Submittal	December 2023
Section 4(f) de minimis	December 2023
Public Involvement Meeting	January 2024
Environmental Document Submittal	March, 2024
Structure Survey Reports	April, 2024
Preliminary Structure Plan	April, 2024
Design Study Report / 60% Submittal	April, 2024
Utility Plan Submittal	May, 2024
Draft PS&E	August 1, 2024
Final Structure Plans	September 1, 2024
Final P.S. & E.	November 1, 2024
Proposed LET Date	February 11, 2025

CONSULTANT DIRECT LABOR RATES

Name or Employee Number	CLASSIFICATION	CURRENT RATE (AS OF APRIL 1, 2023)	DATE OF NEXT SALARY ADJUSTMENT	PAY INCREASE PERCENT ON APRIL 1, 2023	PAY RATE AFTER APRIL 1, 2023	DATE OF NEXT SALARY ADJUSTMENT	PAY INCREASE PERCENT ON APRIL 1, 2024	PAY RATE AFTER APRIL 1, 2024	DATE OF NEXT SALARY ADJUSTMENT	PAY INCREASE PERCENT ON APRIL 1, 2025	PAY RATE AFTER APRIL 1, 2025	PERCENT WORK AT 2023 (CURRENT) RATE	PERCENT WORK AT 2024 RATE	PERCENT WORK AT 2025 RATE	WEIGHTED AVERAGE HOURLY RATE FOR THE LENGTH OF THE PROJECT
1016	Structural Engineer	\$63.70	April 1, 2024	5.0	\$66.89	April 1, 2024	5.0	\$70.23	April 1, 2025	5.0	\$73.74	20%	75%	5%	\$66.42
Average	Senior Engineer	\$55.32	April 1, 2024	5.0	\$58.08	April 1, 2024	5.0	\$60.98	April 1, 2025	5.0	\$64.03	20%	75%	5%	\$57.67
Average	Project Engineer	\$44.48	April 1, 2024	5.0	\$46.71	April 1, 2024	5.0	\$49.05	April 1, 2025	5.0	\$51.50	20%	75%	5%	\$46.38
Average	Design Engineer	\$35.71	April 1, 2024	5.0	\$37.50	April 1, 2024	5.0	\$39.38	April 1, 2025	5.0	\$41.35	20%	75%	5%	\$37.24
Average	Surveyor	\$40.50	April 1, 2024	5.0	\$42.53	April 1, 2024	5.0	\$44.66	April 1, 2025	5.0	\$46.89	20%	75%	5%	\$42.23
Average	Technician	\$36.30	April 1, 2024	5.0	\$38.12	April 1, 2024	5.0	\$40.03	April 1, 2025	5.0	\$42.03	20%	75%	5%	\$37.85
1459	Clerical	\$30.00	April 1, 2024	5.0	\$31.50	April 1, 2024	5.0	\$33.08	April 1, 2025	5.0	\$34.73	20%	75%	5%	\$31.28

CONTRACT COMPLETION DATE: June 30, 2025

Project ID: 2703-05-01
 6th Street Bridge
 Over Root River (P-51-0064)
 Racine County

Exhibit 1A



Employee Classification Weighted Average Direct Labor Rates

Classification: Structural Engineer			
Name or Employee Number	Current Rate (a)	Percent Contribution (b)	(a x b)
1016	\$ 63.70	100	\$ 63.70
		100	\$ 63.70

Classification: Senior Engineer			
Name or Employee Number	Current Rate (a)	Percent Contribution (b)	(a x b)
1436	\$ 54.50	75	\$ 40.88
0950	\$ 53.56	10	\$ 5.36
1494	\$ 60.58	15	\$ 9.09
		100	\$ 55.32

Classification: Project Engineer			
Name or Employee Number	Current Rate (a)	Percent Contribution (b)	(a x b)
1731	\$ 45.67	60	\$ 27.40
1916	\$ 41.83	35	\$ 14.64
0756	\$ 48.80	5	\$ 2.44
		100	\$ 44.48

Classification: Design Engineer			
Name or Employee Number	Current Rate (a)	Percent Contribution (b)	(a x b)
2026	\$ 31.01	15	\$ 4.65
2152	\$ 36.54	85	\$ 31.06
		100	\$ 35.71

Classification: Surveyor			
Name or Employee Number	Current Rate (a)	Percent Contribution (b)	(a x b)
0911	\$ 40.00	50	\$ 20.00
1147	\$ 41.00	50	\$ 20.50
		100	\$ 40.50

Classification: Technician			
Name or Employee Number	Current Rate (a)	Percent Contribution (b)	(a x b)
0206	\$ 37.50	90	\$ 33.75
1877	\$ 25.50	10	\$ 2.55
		100	\$ 36.30

Classification: Clerical			
Name or Employee Number	Current Rate (a)	Percent Contribution (b)	(a x b)
1459	\$ 30.00	100	\$ 30.00
		100	\$ 30.00

**Project ID: 2703-05-01
6th Street Bridge
Over Root River (P-51-0064)
Racine County**

DIRECT EXPENSES BY ITEM

ITEM	UNIT	NO. OF UNITS	UNIT COST	TOTAL COST
Survey Mileage	Each	64	\$0.750	\$48.00
Employee Vehicle Mileage	Each	192	\$0.655	\$125.76
TOTAL:				\$173.76

Project ID: 2703-05-01
6th Street Bridge
Over Root River (P-51-0064)
Racine County

Exhibit 1C



SUMMARY OF STAFF HOURS AND DIRECT LABOR COSTS

Classification:		Structural Engineer		Senior Engineer		Project Engineer		Design Engineer		Surveyor		Technician		Clerical		Total Direct Labor	
		Hours	Dollars	Hours	Dollars	Hours	Dollars	Hours	Dollars	Hours	Dollars	Hours	Dollars	Hours	Dollars	Hours	Dollars
Avg. Hourly Wage:		\$66.42		\$57.67		\$46.38		\$37.24		\$42.23		\$37.85		\$31.28			
TASK	Activity Code	Hours	Dollars	Hours	Dollars	Hours	Dollars	Hours	Dollars	Hours	Dollars	Hours	Dollars	Hours	Dollars	Hours	Dollars
Analyze Traffic Data/Forecast	313					5	\$231.90	2	\$74.48							7	\$306.38
Structure Survey Report	647	19	\$1,261.98			74	\$3,432.12					10	\$378.50			103	\$5,072.60
Design Structure	656	26	\$1,726.92			112	\$5,194.56					56	\$2,119.60			194	\$9,041.08
Conduct and Process Existing Field Survey	723			2	\$115.34					32	\$1,351.36	21	\$794.85			55	\$2,261.55
Manage Project Stakeholders	743	9	\$597.78			24	\$1,113.12							1	\$31.28	34	\$1,742.18
Coordinate Utilities	746	2	\$132.84			24	\$1,113.12									26	\$1,245.96
Analyze Natural Environmental Impact	766					14	\$649.32									14	\$649.32
Design Erosion Control and Landscaping	768	2	\$132.84			8	\$371.04	12	\$446.88			8	\$302.80			30	\$1,253.56
Environmental Document and Agency Coordination	769	1	\$66.42	2	\$115.34	44	\$2,040.72									47	\$2,222.48
Manage Consultant Contract	773	11	\$730.62											11	\$344.08	22	\$1,074.70
Design Geometrics and Details	776	4	\$265.68	4	\$230.68	76	\$3,524.88	112	\$4,170.88			44	\$1,665.40			240	\$9,857.52
Develop Quantities and Estimates	786	8	\$531.36	8	\$461.36	84	\$3,895.92	80	\$2,979.20			58	\$2,195.30			238	\$10,063.14
Develop Traffic Control and Staging	788			3	\$173.01	44	\$2,040.72	58	\$2,159.92			28	\$1,059.80			133	\$5,433.45
Design Signing and Pavement Marking	819					8	\$371.04	8	\$297.92			5	\$189.25			21	\$858.21
Develop PSE Documents	856	3	\$199.26	6	\$346.02	92	\$4,266.96	28	\$1,042.72							129	\$5,854.96
Manage Project Scope and Schedule	887	28	\$1,859.76			30	\$1,391.40									58	\$3,251.16
Manage Project Quality	890	21	\$1,394.82	18	\$1,038.06											39	\$2,432.88
TOTALS		134	\$8,900.28	43	\$2,479.81	639	\$29,636.82	300	\$11,172.00	32	\$1,351.36	230	\$8,705.50	12	\$375.36	1390	\$62,621.13

Project ID: 2703-05-01
 6th Street Bridge
 Over Root River (P-51-0064)
 Racine County



FEE COMPUTATION SUMMARY BY ENGINEERING TASK

TASK	Activity Code	Direct Labor Costs	Overhead Costs	Fixed Fee / Profit	Direct Expenses	Total
Analyze Traffic Data/Forecast	313	\$306.38	\$527.98	\$55.53		\$889.89
Structure Survey Report	647	\$5,072.60	\$8,741.61	\$919.41		\$14,733.62
Design Structure	656	\$9,041.08	\$15,580.49	\$1,638.70		\$26,260.27
Conduct and Process Existing Field Survey	723	\$2,261.55	\$3,897.33	\$409.91	\$48.00	\$6,616.79
Manage Project Stakeholders	743	\$1,742.18	\$3,002.30	\$315.77	\$41.92	\$5,102.17
Coordinate Utilities	746	\$1,245.96	\$2,147.16	\$225.83		\$3,618.95
Analyze Natural Environmental Impact	766	\$649.32	\$1,118.97	\$117.69		\$1,885.98
Design Erosion Control and Landscaping	768	\$1,253.56	\$2,160.26	\$227.21		\$3,641.03
Environmental Document and Agency Coordination	769	\$2,222.48	\$3,830.00	\$402.82		\$6,455.30
Manage Consultant Contract	773	\$1,074.70	\$1,852.03	\$194.79		\$3,121.52
Design Geometrics and Details	776	\$9,857.52	\$16,987.46	\$1,786.68		\$28,631.66
Develop Quantities and Estimates	786	\$10,063.14	\$17,341.81	\$1,823.94		\$29,228.89
Develop Traffic Control and Staging	788	\$5,433.45	\$9,363.46	\$984.81		\$15,781.72
Design Signing and Pavement Marking	819	\$858.21	\$1,478.95	\$155.55		\$2,492.71
Develop PSE Documents	856	\$5,854.96	\$10,089.85	\$1,061.21		\$17,006.02
Manage Project Scope and Schedule	887	\$3,251.16	\$5,602.72	\$589.27	\$83.84	\$9,526.99
Manage Project Quality	890	\$2,432.88	\$4,192.58	\$440.96		\$7,066.42
TOTALS		\$62,621.13	\$107,914.96	\$11,350.08	\$173.76	\$182,059.93

Home Office Indirect Cost Rate of : 1.7233

Assumes Profit of : 7.25

Fixed Fee based on a standard Overhead Rate of : 1.50

Project ID: 2703-05-01
 6th Street Bridge
 Over Root River (P-51-0064)
 Racine County



CONSULTANT CONTRACT TOTAL FEE COMPUTATION

	Project I.D. 2703-05-01 Base Contract	Project I.D.	Project I.D.	TOTAL CONTRACT
Number of Staff Hours	1390			1390
Total Direct Labor	\$ 62,621.13			\$ 62,621.13
Total Overhead Costs	\$ 107,914.96			\$ 107,914.96
Fixed Fee / Profit	\$ 11,350.08			\$ 11,350.08
Non-Labor Direct Charges	\$ 173.76			\$ 173.76
Contract Sub-Total	\$ 182,059.93			\$ 182,059.93
CONTRACT TOTAL COST	\$ 182,059.93			\$ 182,059.93

Project ID: 2703-05-01
6th Street Bridge
Over Root River (P-51-0064)
Racine County



CONSULTANT DIRECT LABOR RATES

Name or Employee Number	CLASSIFICATION	CURRENT RATE (AS OF APRIL 1, 2023)	DATE OF NEXT SALARY ADJUSTMENT	PAY INCREASE PERCENT ON APRIL 1, 2023	PAY RATE AFTER APRIL 1, 2023	DATE OF NEXT SALARY ADJUSTMENT	PAY INCREASE PERCENT ON APRIL 1, 2024	PAY RATE AFTER APRIL 1, 2024	DATE OF NEXT SALARY ADJUSTMENT	PAY INCREASE PERCENT ON APRIL 1, 2025	PAY RATE AFTER APRIL 1, 2025	PERCENT WORK AT 2023 (CURRENT) RATE	PERCENT WORK AT 2024 RATE	PERCENT WORK AT 2025 RATE	WEIGHTED AVERAGE HOURLY RATE FOR THE LENGTH OF THE PROJECT
1016	Structural Engineer	\$63.70	April 1, 2024	5.0	\$66.89	April 1, 2024	5.0	\$70.23	April 1, 2025	5.0	\$73.74	20%	75%	5%	\$66.42
Average	Senior Engineer	\$55.32	April 1, 2024	5.0	\$58.08	April 1, 2024	5.0	\$60.98	April 1, 2025	5.0	\$64.03	20%	75%	5%	\$57.67
Average	Project Engineer	\$44.48	April 1, 2024	5.0	\$46.71	April 1, 2024	5.0	\$49.05	April 1, 2025	5.0	\$51.50	20%	75%	5%	\$46.38
Average	Design Engineer	\$35.71	April 1, 2024	5.0	\$37.50	April 1, 2024	5.0	\$39.38	April 1, 2025	5.0	\$41.35	20%	75%	5%	\$37.24
Average	Surveyor	\$40.50	April 1, 2024	5.0	\$42.53	April 1, 2024	5.0	\$44.66	April 1, 2025	5.0	\$46.89	20%	75%	5%	\$42.23
Average	Technician	\$36.30	April 1, 2024	5.0	\$38.12	April 1, 2024	5.0	\$40.03	April 1, 2025	5.0	\$42.03	20%	75%	5%	\$37.85
1459	Clerical	\$30.00	April 1, 2024	5.0	\$31.50	April 1, 2024	5.0	\$33.08	April 1, 2025	5.0	\$34.73	20%	75%	5%	\$31.28

CONTRACT COMPLETION DATE: June 30, 2025

Project ID: 2703-05-02
 6th Street Bridge
 Over vacated Howe Street (P51-0067)
 Racine County

Exhibit 1A



Employee Classification Weighted Average Direct Labor Rates

Classification: Structural Engineer			
Name or Employee Number	Current Rate (a)	Percent Contribution (b)	(a x b)
1016	\$ 63.70	100	\$ 63.70
		100	\$ 63.70

Classification: Senior Engineer			
Name or Employee Number	Current Rate (a)	Percent Contribution (b)	(a x b)
1436	\$ 54.50	75	\$ 40.88
0950	\$ 53.56	10	\$ 5.36
1494	\$ 60.58	15	\$ 9.09
		100	\$ 55.32

Classification: Project Engineer			
Name or Employee Number	Current Rate (a)	Percent Contribution (b)	(a x b)
1731	\$ 45.67	60	\$ 27.40
1916	\$ 41.83	35	\$ 14.64
0756	\$ 48.80	5	\$ 2.44
		100	\$ 44.48

Classification: Design Engineer			
Name or Employee Number	Current Rate (a)	Percent Contribution (b)	(a x b)
2026	\$ 31.01	15	\$ 4.65
2152	\$ 36.54	85	\$ 31.06
		100	\$ 35.71

Classification: Surveyor			
Name or Employee Number	Current Rate (a)	Percent Contribution (b)	(a x b)
0911	\$ 40.00	50	\$ 20.00
1147	\$ 41.00	50	\$ 20.50
		100	\$ 40.50

Classification: Technician			
Name or Employee Number	Current Rate (a)	Percent Contribution (b)	(a x b)
0206	\$ 37.50	90	\$ 33.75
1877	\$ 25.50	10	\$ 2.55
		100	\$ 36.30

Classification: Clerical			
Name or Employee Number	Current Rate (a)	Percent Contribution (b)	(a x b)
1459	\$ 30.00	100	\$ 30.00
		100	\$ 30.00

**Project ID: 2703-05-02
6th Street Bridge
Over vacated Howe Street (P51-0067)
Racine County**



DIRECT EXPENSES BY ITEM

ITEM	UNIT	NO. OF UNITS	UNIT COST	TOTAL COST
Survey Mileage	Each	128	\$0.750	\$96.00
Employee Vehicle Mileage	Each	192	\$0.655	\$125.76
Runnion Bucket Truck Rental	Each	1	\$550.000	\$550.00

TOTAL: \$771.76

Project ID: 2703-05-02
6th Street Bridge
Over vacated Howe Street (P51-0067)
Racine County

Exhibit 1C



SUMMARY OF STAFF HOURS AND DIRECT LABOR COSTS

Classification:		Structural Engineer		Senior Engineer		Project Engineer		Design Engineer		Surveyor		Technician		Clerical		Total Direct Labor	
		Hours	Dollars	Hours	Dollars	Hours	Dollars	Hours	Dollars	Hours	Dollars	Hours	Dollars	Hours	Dollars	Hours	Dollars
Avg. Hourly Wage:		\$66.42		\$57.67		\$46.38		\$37.24		\$42.23		\$37.85		\$31.28			
TASK	Activity Code	Hours	Dollars	Hours	Dollars	Hours	Dollars	Hours	Dollars	Hours	Dollars	Hours	Dollars	Hours	Dollars	Hours	Dollars
Analyze Traffic Data/Forecast	313					3	\$139.14	2	\$74.48							5	\$213.62
Structure Survey Report	647	15	\$996.30			60	\$2,782.80					10	\$378.50			85	\$4,157.60
Design Structure	656	16	\$1,062.72			70	\$3,246.60					30	\$1,135.50			116	\$5,444.82
Conduct and Process Existing Field Survey	723			2	\$115.34					8	\$337.84	7	\$264.95			17	\$718.13
Manage Project Stakeholders	743	3	\$199.26			6	\$278.28							1	\$31.28	10	\$508.82
Coordinate Utilities	746	2	\$132.84			14	\$649.32									16	\$782.16
Environmental Document and Agency Coordination	769	1	\$66.42	2	\$115.34	12	\$556.56									15	\$738.32
Manage Consultant Contract	773	7	\$464.94											7	\$218.96	14	\$683.90
Design Geometrics and Details	776	2	\$132.84	2	\$115.34	32	\$1,484.16	48	\$1,787.52			20	\$757.00			104	\$4,276.86
Develop Quantities and Estimates	786	4	\$265.68	4	\$230.68	20	\$927.60	20	\$744.80			14	\$529.90			62	\$2,698.66
Develop Traffic Control and Staging	788			1	\$57.67	4	\$185.52	6	\$223.44			4	\$151.40			15	\$618.03
Design Signing and Pavement Marking	819					4	\$185.52	4	\$148.96			3	\$113.55			11	\$448.03
Develop PSE Documents	856	1	\$66.42	2	\$115.34	22	\$1,020.36	8	\$297.92							33	\$1,500.04
Manage Project Scope and Schedule	887	8	\$531.36			10	\$463.80									18	\$995.16
Manage Project Quality	890	7	\$464.94	6	\$346.02											13	\$810.96
TOTALS		66	\$4,383.72	19	\$1,095.73	257	\$11,919.66	88	\$3,277.12	8	\$337.84	88	\$3,330.80	8	\$250.24	534	\$24,595.11

Project ID: 2703-05-02
 6th Street Bridge
 Over vacated Howe Street (P51-0067)
 Racine County



FEE COMPUTATION SUMMARY BY ENGINEERING TASK

TASK	Activity Code	Direct Labor Costs	Overhead Costs	Fixed Fee / Profit	Direct Expenses	Total
Analyze Traffic Data/Forecast	313	\$213.62	\$368.13	\$38.72		\$620.47
Structure Survey Report	647	\$4,157.60	\$7,164.79	\$753.57	\$639.92	\$12,715.88
Design Structure	656	\$5,444.82	\$9,383.06	\$986.87		\$15,814.75
Conduct and Process Existing Field Survey	723	\$718.13	\$1,237.55	\$130.16	\$48.00	\$2,133.84
Manage Project Stakeholders	743	\$508.82	\$876.85	\$92.22	\$41.92	\$1,519.81
Coordinate Utilities	746	\$782.16	\$1,347.90	\$141.77		\$2,271.83
Environmental Document and Agency Coordination	769	\$738.32	\$1,272.35	\$133.82		\$2,144.49
Manage Consultant Contract	773	\$683.90	\$1,178.56	\$123.96		\$1,986.42
Design Geometrics and Details	776	\$4,276.86	\$7,370.31	\$775.18		\$12,422.35
Develop Quantities and Estimates	786	\$2,698.66	\$4,650.60	\$489.13		\$7,838.39
Develop Traffic Control and Staging	788	\$618.03	\$1,065.05	\$112.02		\$1,795.10
Design Signing and Pavement Marking	819	\$448.03	\$772.09	\$81.21		\$1,301.33
Develop PSE Documents	856	\$1,500.04	\$2,585.02	\$271.88		\$4,356.94
Manage Project Scope and Schedule	887	\$995.16	\$1,714.96	\$180.37	\$41.92	\$2,932.41
Manage Project Quality	890	\$810.96	\$1,397.53	\$146.99		\$2,355.48
TOTALS		\$24,595.11	\$42,384.75	\$4,457.87	\$771.76	\$72,209.49

Home Office Indirect Cost Rate of : 1.7233

Assumes Profit of : 7.25

Fixed Fee based on a standard Overhead Rate of : 1.50

Project ID: 2703-05-02
 6th Street Bridge
 Over vacated Howe Street (P51-0067)
 Racine County



CONSULTANT CONTRACT TOTAL FEE COMPUTATION

	Project I.D. 2703-05-02 Base Contract	Project I.D.	Project I.D.	TOTAL CONTRACT
Number of Staff Hours	534			534
Total Direct Labor	\$ 24,595.11			\$ 24,595.11
Total Overhead Costs	\$ 42,384.75			\$ 42,384.75
Fixed Fee / Profit	\$ 4,457.87			\$ 4,457.87
Non-Labor Direct Charges	\$ 771.76			\$ 771.76
Contract Sub-Total	\$ 72,209.49			\$ 72,209.49
CONTRACT TOTAL COST	\$ 72,209.49			\$ 72,209.49

Project ID: 2703-05-02
6th Street Bridge
Over vacated Howe Street (P51-0067)
Racine County



CONSULTANT CONTRACT TOTAL FEE COMPUTATION

	Project I.D. 2703-05-01	Project I.D. 2703-05-02	TOTAL CONTRACT
Number of Staff Hours	1390	534	1924
Total Direct Labor	\$ 62,621.13	\$ 24,595.11	\$ 87,216.24
Total Overhead Costs	\$ 107,914.96	\$ 42,384.75	\$ 150,299.71
Fixed Fee / Profit	\$ 11,350.08	\$ 4,457.87	\$ 15,807.95
Non-Labor Direct Charges	\$ 173.76	\$ 771.76	\$ 945.52
Contract Sub-Total	\$ 182,059.93	\$ 72,209.49	\$ 254,269.42
CONTRACT TOTAL COST	\$ 182,059.93	\$ 72,209.49	\$ 254,269.42

Project ID: 2703-05-01
6th Street Bridge
Over Root River (P-51-0064)
Racine County

Project ID: 2703-05-02
6th Street Bridge
Over vacated Howe Street (P51-0067)
Racine County

