

THREE PARTY DESIGN ENGINEERING SERVICES CONTRACT  
SIGNATURE PAGES

ENGINEERING SERVICES CONTRACT

BETWEEN THE WISCONSIN DEPARTMENT OF TRANSPORTATION,

City of Waukesha (MUNICIPALITY)

AND AECOM Technical Services, Inc. (CONSULTANT) FOR

*PROJECT ID 2718-20-00/70  
PRAIRIE AVENUE  
BRIDGE OVER FOX RIVER B-67-0177  
PE/DECK OVERLAY*

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 an RFP format solicitation dated February 21, 2019 for the design of a structure rehabilitation of the Prairie Avenue Bridge over the Fox River, Structure ID B-67-0177 located in the City of Waukesha, Waukesha County, WI. 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: *Jacob Varnes, P.E.; Project Engineer; WisDOT SE Region, 141 NW Barstow St, Waukesha, WI 53188; Jacob.varnes@dot.wi.gov; 262-548-6469*

The MUNICIPALITY REPRESENTATIVE is: *Craig Ausen, P.E.; Project Engineer; City of Waukesha – Engineering Division, 130 Delafield St. Waukesha, WI 53188; CAusen@waukesha-wi.gov; 262-524-3589*

The CONSULTANT REPRESENTATIVE is: *William Schilling, P.E.; Project Manager; AECOM 1555 N. RiverCenter Drive, Suite 214, Milwaukee, WI 53212; bill.schilling@aecom.com; 414-418-1964*

The CONSULTANT SERVICES will be performed for the DEPARTMENT's Southeast Region office located in Waukesha, WI and will be completed by *March 1, 2022*. Deliver PROJECT DOCUMENTS to *WisDOT SE Region, 141 NW Barstow St, 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 all contract services, actual costs to the CONSULTANT up to \$41,989.74, plus a fixed fee of \$3,069.13, not to exceed \$45,058.87.*

Compensation for all SERVICES provided by the CONSULTANT under the terms of the CONTRACT shall be for an amount not to exceed \$ *45,058.87*.

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

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*(Include the following when DBE goals are set)*

This CONTRACT is federally funded. As part of this CONTRACT, the CONSULTANT shall subcontract:

Project ID : \_\_\_ - \_\_\_ - \_\_\_ : \$ \_\_\_\_\_ to one or more certified Disadvantaged Business Enterprises (DBE.)  
*(Add more lines as necessary)*

If the prime CONSULTANT is a certified Disadvantaged Business Enterprise, SERVICES performed by the CONSULTANT can be considered in meeting this requirement.

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 \_\_\_23\_\_\_ 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

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

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

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

For the DEPARTMENT

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

Contract Manager, WisDOT

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

For the MUNICIPALITY

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

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

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

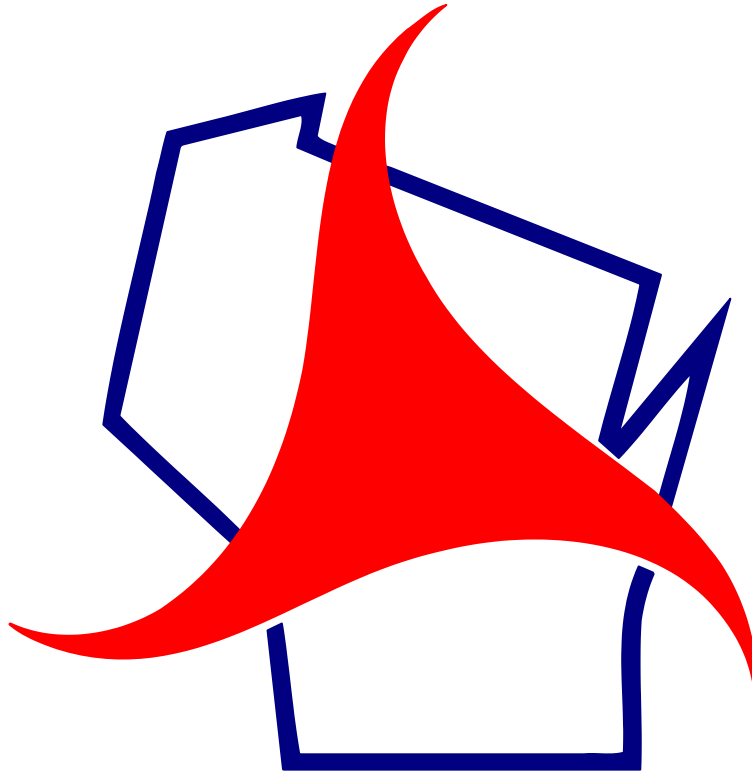
Approved

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

Governor, State of Wisconsin

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

## Three-Party Design Contract Special Provisions



*January 03, 2017*

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## **THREE PARTY DESIGN CONTRACT SPECIAL PROVISIONS**

Revised 05/26/16

The following are recommended special provisions for the design contract to be inserted behind the standard provisions.

### **VI. SPECIAL PROVISIONS**

Section(s) \_\_\_\_\_ is (are) amended to substitute the DEPARTMENT for the MUNICIPALITY.

#### ***SCOPE OF SERVICES***

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

- (1) Request for Exceptions to Design Standards

Not included in this contract.

- (2) Encroachment Report

Not included in this contract.

- (3) Other Reports:

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

1. Design Study Report (DSR)
  - a) The CONSULTANT shall prepare a Design Study Report as set forth in the MANUAL. The DSR shall be prepared and submitted for review. After comments are received from the DEPARTMENT, the final DSR shall be prepared and submitted.
2. Structure Survey Report (SSR)
  - a) The CONSULTANT shall prepare a Structure Survey Report for Bridge ID B-67-0177 as outlined under Section K. Structure Plans.
3. Transportation Management Plan Type II (TMP)
  - a) The CONSULTANT shall prepare a Type II Transportation Management Plan.
  - b) An initial TMP form shall be prepared and submitted for review. After comments are received from the DEPARTMENT, final TMP forms shall be prepared and submitted after revisions are made.
  - c) Traffic Control Plan – traffic control details shall be prepared as outlined under Section J. Road Plans.

## **B. ENVIRONMENTAL DOCUMENTATION**

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

Prepare an EIS, EA, ER, or PER 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.

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 in this contract.
- (2) Environmental Impact Statements:  
Not included in this contract.
- (3) Agricultural Impact Notice:  
Not included in this contract.
- (4) Section 4(f) Evaluation:  
Not included in this contract.
- (5) Section 6(f) Evaluation:  
Not included in this contract.
- (6) Historical and Archaeological Surveys and Studies:  
Not included in this contract.
- (7) Noise Analysis:  
Not included in this contract.

- (8) Air Quality:  
Not included in this contract.
- (9) Hazardous Materials/Contamination Assessments  
Not included in this contract.

**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.
- (2) Section 404 Permits:  
Not included in this contract.
- (3) Section 9 and 10 Permits:  
Not included in this contract.

**D. RAILROAD/ UTILITY INVOLVEMENTS**

- (1) Railroad Negotiations/Agreements  
Not included in this contract.
- (2) Utility Coordination  
Perform all utility coordination in accordance with:
  - a) The MANUAL
  - b) TRANS 220
  - c) The WisDOT "Guide to Utility Coordination"
  - d) The "Utility Coordination Task List for Design Consultant Contracts" as agreed upon \_\_\_\_\_.  
(date)
- (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

Prepare statements, exhibits, and documentation for and present testimony at proceedings before the Public Service Commission or such other forum as may be designated by the MUNICIPALITY.

## **E. PUBLIC INVOLVEMENT**

(1) Public Involvement Meetings:

- (a) Conduct or assist the MUNICIPALITY in holding two (2) public involvement meeting(s) 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 in this contract.

(3) Open Forum Public Hearing:

Not included in this contract.

(4) Project Mailings, Newsletters:

Prepare a pre-formatted database in Microsoft Access 7.0 for project mailings, newsletters, or any contact lists. The MUNICIPALITY will supply the format on disk or by electronic mail for the CONSULTANT.

## **F. MEETINGS**

- (1) Attend or hold an Operational Planning Meeting to discuss the organization and processing of the Services under this CONTRACT.
- (2) Two (2) meeting(s) shall be held with local officials approximately one week prior to the Public Informational Meeting(s).
- (3) Two (2) meeting(s) 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) Twenty (26) meeting(s) shall be held to plan, review, and coordinate the PROJECT with the MUNICIPALITY'S staff.

## **G. LOCATING**

Not included in this contract.

## **H. SURVEYS**

Not included in this contract.

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

Not included in this contract.

## **J. ROAD PLANS**

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

Traffic Control Plans  
Project Overview – Single Sheet Schematic Drawing

## **K. STRUCTURE PLANS**

- 1) The structure scope includes the following: concrete overlay; concrete surface repair.

- 2) Prepare a Structure Survey Report in accordance with the MANUAL. The completed preliminary plan shall show the structure plan 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.
- 3) 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.
- 4) Plans for Structures shall include schedules for bar steel reinforcement if required. 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.
- 5) 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.
- 6) Submit three 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.
- 7) Plans will be subject to review and examination by the MUNICIPALITY. Such review and examination may be made on the site of the PROJECT.
- 8) Along with the plans for structures submit one copy or reproduction of the design computations for the MUNICIPALITY'S review and permanent file.
- 9) Furnish such other pertinent information and data with respect to the plans and design as the MUNICIPALITY may request.
- 10) Perform an infrared thermographic (IR) inspection to locate and quantify delaminations in the concrete bridge deck and sidewalks of the following bridge in the City of Waukesha, Wisconsin:
  - a. B-67-177 – Prairie Avenue over Fox River B-67-177
  - b. The IR portion of the project shall include inspection of the driving lanes, shoulders and sidewalks. The deck and sidewalk area of the bridge totals approximately 4,141 square feet.
  - c. IR data will be collected at a speed not to exceed five miles per hour. The driving lanes, shoulders and sidewalks will be inspected between the hours of 9:00 a.m. and 4:00 p.m.

- d. AECOM will provide electronic copies of the IR report documenting the techniques and equipment used and summarizing the survey results. Each report will include plan views of the bridge deck identifying the following items:
  - i. Total deck area inspected
  - ii. Surface material (AC overlay, PCC, etc.)
  - iii. Delamination - area and percentage
  - iv. Asphalt patching - area and percentage
  - v. Concrete patching - area and percentage
  - vi. Spalling - area and percentage
  - vii. Proposed Partial Depth Rehabilitation areas - area and percentage
- e. The plan view of the decks will be a computer-generated plot (Microstation), to scale, with the deck dimensions and the defect locations. The proposed partial depth rehabilitation areas will be based solely on the infrared inspection results. These rehabilitation areas are classified as repair areas of removal of unsound concrete to a depth that exposes ½ of the peripheral area of the top or bottom bar steel in the top mat of reinforcement.

**L. PLATS**

Not included in this contract.

**M. HIGHWAY SYSTEM CHANGES**

Not included in this contract.

**N. TRAFFIC**

Not included in this contract.

**O. SERVICES PROVIDED BY THE MUNICIPALITY**

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

- 1.

**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) The CONSULTANT proposes to sublet these services to

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(3) 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 May 1, 2019.

(Date)

| <b>Report Title</b>                 | <b>Date</b> |
|-------------------------------------|-------------|
| Structure Survey Reports            | 1/2021      |
| Preliminary Structure Plan          | 1/2021      |
| Initial Project Review              | 1/2021      |
| Environmental Document              | 1/2021      |
| Preliminary Road Plan               | 1/2021      |
| Soils Report                        | N/A         |
| Pavement Design Report              | N/A         |
| Exceptions to Standards Report      | N/A         |
| Traffic Study Report                | N/A         |
| Design Study Report                 | 3/2021      |
| Slope Intercepts & Preliminary Plat | N/A         |
| Right-Of-Way Plat(s)                | N/A         |
| Right-Of-Way Descriptions           | N/A         |
| Acquisition Stage Relocation Plan   | N/A         |
| Final Road Plans                    | 9/2021      |
| Final Structure Plans               | 9/2021      |
| Final P.S. & E.                     | 11/2021     |

## Consultant Contract Total Fee Computation

AECOM Technical Services, Inc.

City of Waukesha

B-67-177 Prairie Avenue

| Project ID            | 2718-20-00<br>Design | 2718-20-00<br>IR  |  |  |  | Total for Contract |
|-----------------------|----------------------|-------------------|--|--|--|--------------------|
| Number of Staff Hours | 391                  | 22                |  |  |  | 413                |
| Total Direct Labor    | \$16,759.06          | \$778.73          |  |  |  | \$17,537.79        |
| Total Overhead Costs  | \$22,934.76          | \$1,065.69        |  |  |  | \$24,000.45        |
| Fixed Fee/Profit      | \$2,932.86           | \$136.27          |  |  |  | \$3,069.13         |
| Direct Expenses       | \$58.00              | \$393.50          |  |  |  | \$451.50           |
| <b>TOTAL COST</b>     | <b>\$42,684.68</b>   | <b>\$2,374.19</b> |  |  |  | <b>\$45,058.87</b> |
| Overhead Rate:        | 136.85%              |                   |  |  |  |                    |

Fixed Fee: 7.00%

## Consultant Direct Labor Rates

AECOM Technical Services, Inc.

**Project ID:** B-67-177 Prairie Ave

| Employee Name(a)  | Classification(b)    | Current Rate(c) | % Pay Increase(d) | New Pay Rate(e) | Date of Increase(f) | % Work at Current Rate(g) | % Work at Increased Rate(h) | Weighted Average Hourly Rate(i) |
|-------------------|----------------------|-----------------|-------------------|-----------------|---------------------|---------------------------|-----------------------------|---------------------------------|
| Bill Schilling    | Project Manager      | \$66.19         | 3.10%             | \$68.24         | 1/1/2020            | 100.00%                   | 0.00%                       | \$66.19                         |
| Mike Arnold       | Lead Bridge Engineer | \$48.34         | 3.10%             | \$49.84         | 1/1/2020            | 100.00%                   | 0.00%                       | \$48.34                         |
| Tony Castle       | Structures Designer  | \$40.87         | 3.10%             | \$42.14         | 1/1/2020            | 100.00%                   | 0.00%                       | \$40.87                         |
| Jessica Lancelle  | Roadway Designer     | \$35.96         | 3.10%             | \$37.07         | 1/1/2020            | 100.00%                   | 0.00%                       | \$35.96                         |
| Nathan Guequierre | Planner              | \$42.45         | 3.10%             | \$43.77         | 1/1/2020            | 100.00%                   | 0.00%                       | \$42.45                         |
|                   |                      |                 |                   |                 |                     |                           |                             |                                 |
|                   |                      |                 |                   |                 |                     |                           |                             |                                 |
|                   |                      |                 |                   |                 |                     |                           |                             |                                 |
|                   |                      |                 |                   |                 |                     |                           |                             |                                 |
|                   |                      |                 |                   |                 |                     |                           |                             |                                 |
|                   |                      |                 |                   |                 |                     |                           |                             |                                 |

**Contract Completion Date:** 3/1/2022

Contract Start Date:

## Summary of Staff Hours and Direct Labor Costs

AECOM Technical Services, Inc.

### PROJECT TOTAL

**Project ID:**

**B-67-177 Prairie Ave**

| Classification                       |               | Project Manager |                   | Lead Bridge Engineer |                   | Structures Designer |                   | Roadway Designer |                   | Planner   |                   |                    |                    |
|--------------------------------------|---------------|-----------------|-------------------|----------------------|-------------------|---------------------|-------------------|------------------|-------------------|-----------|-------------------|--------------------|--------------------|
| Avg. Hourly Wage                     |               | \$66.19         |                   | \$48.34              |                   | \$40.87             |                   | \$35.96          |                   | \$42.45   |                   | Total Direct Labor |                    |
| Task                                 | Activity Code | Hours           | Dollars           | Hours                | Dollars           | Hours               | Dollars           | Hours            | Dollars           | Hours     | Dollars           | Hours              | Dollars            |
| Project Management                   |               | 8               | \$529.52          | 0                    | \$0.00            | 0                   | \$0.00            | 0                | \$0.00            | 0         | \$0.00            | 8                  | \$529.52           |
| Meetings                             |               |                 |                   |                      |                   |                     |                   |                  |                   |           |                   |                    |                    |
| Kickoff                              |               | 2               | \$132.38          | 2                    | \$96.68           | 0                   | \$0.00            | 0                | \$0.00            | 0         | \$0.00            | 4                  | \$229.06           |
| Bi-weekly Conf. Calls (26)           |               | 13              | \$860.47          | 13                   | \$628.42          | 4                   | \$163.48          | 4                | \$143.84          | 0         | \$0.00            | 34                 | \$1,796.21         |
| Interactive Public Input Meeting (1) |               | 4               | \$264.76          | 6                    | \$290.04          | 0                   | \$0.00            | 0                | \$0.00            | 12        | \$509.40          | 22                 | \$1,064.20         |
| Public Information Meetings (2)      |               | 8               | \$529.52          | 8                    | \$386.72          | 0                   | \$0.00            | 8                | \$287.68          | 24        | \$1,018.80        | 48                 | \$2,222.72         |
| Review Meeting (1)                   |               | 4               | \$264.76          | 4                    | \$193.36          | 0                   | \$0.00            | 4                | \$143.84          | 0         | \$0.00            | 12                 | \$601.96           |
| Reports                              |               |                 |                   |                      |                   |                     |                   |                  |                   |           |                   |                    |                    |
| PCE                                  |               | 0               | \$0.00            | 0                    | \$0.00            | 0                   | \$0.00            | 10               | \$359.60          | 0         | \$0.00            | 10                 | \$359.60           |
| DSR                                  |               | 0               | \$0.00            | 0                    | \$0.00            | 0                   | \$0.00            | 10               | \$359.60          | 0         | \$0.00            | 10                 | \$359.60           |
| Agency Coordination                  |               | 0               | \$0.00            | 0                    | \$0.00            | 0                   | \$0.00            | 10               | \$359.60          | -         | \$0.00            | 10                 | \$359.60           |
| Utility Coordination                 |               | 0               | \$0.00            | 0                    | \$0.00            | 0                   | \$0.00            | 16               | \$575.36          | 0         | \$0.00            | 16                 | \$575.36           |
| Roadway Design                       |               | 0               | \$0.00            | 0                    | \$0.00            | 0                   | \$0.00            | 40               | \$1,438.40        | 0         | \$0.00            | 40                 | \$1,438.40         |
| Structure Design                     |               |                 |                   |                      |                   |                     |                   |                  |                   |           |                   |                    |                    |
| Structure Inspection                 |               | 0               | \$0.00            | 4                    | \$193.36          | 4                   | \$163.48          | 0                | \$0.00            | 0         | \$0.00            | 8                  | \$356.84           |
| Preliminary Structure Plans          |               | 0               | \$0.00            | 8                    | \$386.72          | 24                  | \$980.88          | 0                | \$0.00            | 0         | \$0.00            | 32                 | \$1,367.60         |
| Structure Survey Report              |               | 0               | \$0.00            | 1                    | \$48.34           | 2                   | \$81.74           | 0                | \$0.00            | 0         | \$0.00            | 3                  | \$130.08           |
| Final Structure Plans                |               | 0               | \$0.00            | 4                    | \$193.36          | 24                  | \$980.88          | 0                | \$0.00            | 0         | \$0.00            | 28                 | \$1,174.24         |
| Bridge Load Rating                   |               | 0               | \$0.00            | 8                    | \$386.72          | 24                  | \$980.88          | 0                | \$0.00            | 0         | \$0.00            | 32                 | \$1,367.60         |
| Specifications                       |               | 0               | \$0.00            | 2                    | \$96.68           | 4                   | \$163.48          | 14               | \$503.44          | 0         | \$0.00            | 20                 | \$763.60           |
| Quantity Computation                 |               | 0               | \$0.00            | 1                    | \$48.34           | 4                   | \$163.48          | 14               | \$503.44          | 0         | \$0.00            | 19                 | \$715.26           |
| Construction cost estimate           |               | 0               | \$0.00            | 2                    | \$96.68           | 3                   | \$122.61          | 10               | \$359.60          | 0         | \$0.00            | 15                 | \$578.89           |
| PS&E Documentation                   |               | 0               | \$0.00            | 4                    | \$193.36          | 0                   | \$0.00            | 16               | \$575.36          | 0         | \$0.00            | 20                 | \$768.72           |
|                                      |               |                 |                   |                      |                   |                     |                   |                  |                   |           |                   |                    |                    |
|                                      |               |                 |                   |                      |                   |                     |                   |                  |                   |           |                   |                    |                    |
|                                      |               |                 |                   |                      |                   |                     |                   |                  |                   |           |                   |                    |                    |
| <b>TOTAL:</b>                        |               | <b>39</b>       | <b>\$2,581.41</b> | <b>67</b>            | <b>\$3,238.78</b> | <b>93</b>           | <b>\$3,800.91</b> | <b>156</b>       | <b>\$5,609.76</b> | <b>36</b> | <b>\$1,528.20</b> | <b>391</b>         | <b>\$16,759.06</b> |



**Direct Expenses by Item**

**AECOM Technical Services, Inc.**

**Project ID:**

**B-67-177 Prairie Ave**

| Item             | Quantity | Unit Type | Rate    | Total Expenses |
|------------------|----------|-----------|---------|----------------|
| Employee mileage | 100      | Miles     | \$0.580 | \$58.00        |
|                  |          |           |         |                |
| TOTAL            |          |           |         | \$58.00        |

## Fee Computation Summary by Engineering Task

AECOM Technical Services, Inc.

### PROJECT TOTAL

**Project ID:**

**B-67-177 Prairie Ave**

| Task                                 | Activity Code | Direct Labor Costs | Overhead Costs | Fixed Fee/Profit | Direct Expenses | Total       |
|--------------------------------------|---------------|--------------------|----------------|------------------|-----------------|-------------|
| Project Management                   | 0             | \$529.52           | \$724.65       | \$92.67          |                 | \$1,346.84  |
| Meetings                             |               |                    |                |                  |                 |             |
| Kickoff                              | 0             | \$229.06           | \$313.47       | \$40.09          |                 | \$582.62    |
| Bi-weekly Conf. Calls (26)           | 0             | \$1,796.21         | \$2,458.11     | \$314.34         |                 | \$4,568.66  |
| Interactive Public Input Meeting (1) | 0             | \$1,064.20         | \$1,456.36     | \$186.24         | \$14.50         | \$2,721.30  |
| Public Information Meetings (2)      | 0             | \$2,222.72         | \$3,041.79     | \$388.98         | \$29.00         | \$5,682.49  |
| Review Meeting (1)                   | 0             | \$601.96           | \$823.78       | \$105.34         | \$14.50         | \$1,545.58  |
| Reports                              |               |                    |                |                  |                 |             |
| PCE                                  | 0             | \$359.60           | \$492.11       | \$62.93          |                 | \$914.64    |
| DSR                                  | 0             | \$359.60           | \$492.11       | \$62.93          |                 | \$914.64    |
| Agency Coordination                  | 0             | \$359.60           | \$492.11       | \$62.93          |                 | \$914.64    |
| Utility Coordination                 | 0             | \$575.36           | \$787.38       | \$100.69         |                 | \$1,463.43  |
| Roadway Design                       | 0             | \$1,438.40         | \$1,968.45     | \$251.72         |                 | \$3,658.57  |
| Structure Design                     |               |                    |                |                  |                 |             |
| Structure Inspection                 | 0             | \$356.84           | \$488.34       | \$62.45          |                 | \$907.63    |
| Preliminary Structure Plans          | 0             | \$1,367.60         | \$1,871.56     | \$239.33         |                 | \$3,478.49  |
| Structure Survey Report              | 0             | \$130.08           | \$178.01       | \$22.76          |                 | \$330.85    |
| Final Structure Plans                | 0             | \$1,174.24         | \$1,606.95     | \$205.49         |                 | \$2,986.68  |
| Bridge Load Rating                   | 0             | \$1,367.60         | \$1,871.56     | \$239.33         |                 | \$3,478.49  |
| Specifications                       | 0             | \$763.60           | \$1,044.99     | \$133.63         |                 | \$1,942.22  |
| Quantity Computation                 | 0             | \$715.26           | \$978.83       | \$125.17         |                 | \$1,819.26  |
| Construction cost estimate           | 0             | \$578.89           | \$792.21       | \$101.31         |                 | \$1,472.41  |
| PS&E Documentation                   | 0             | \$768.72           | \$1,051.99     | \$134.53         |                 | \$1,955.24  |
|                                      |               |                    |                |                  |                 |             |
| <b>TOTAL:</b>                        |               | \$16,759.06        | \$22,934.76    | \$2,932.86       | \$58.00         | \$42,684.68 |

**Home Office Overhead Rate:**

136.85%

**Fixed Fee: 7.00% (based on 150% overhead rate)**

## Consultant Contract Total Fee Computation

AECOM Technical Services, Inc.

City of Waukesha

IR Scan B-67-0177

|                              |                   |  |  |  |  |                           |
|------------------------------|-------------------|--|--|--|--|---------------------------|
| <b>Project ID</b>            | IR Scan B-67-0177 |  |  |  |  | <b>Total for Contract</b> |
| <b>Number of Staff Hours</b> | 22                |  |  |  |  | <b>22</b>                 |
| <b>Total Direct Labor</b>    | \$778.73          |  |  |  |  | <b>\$778.73</b>           |
| <b>Total Overhead Costs</b>  | \$1,065.69        |  |  |  |  | <b>\$1,065.69</b>         |
| <b>Fixed Fee/Profit</b>      | \$136.27          |  |  |  |  | <b>\$136.27</b>           |
| <b>Direct Expenses</b>       | \$393.50          |  |  |  |  | <b>\$393.50</b>           |
| <b>TOTAL COST</b>            | <b>\$2,374.19</b> |  |  |  |  | <b>\$2,374.19</b>         |
| <b>Overhead Rate:</b>        | <b>136.85%</b>    |  |  |  |  |                           |

Fixed Fee: 7.00% (Original Contract)

## Consultant Direct Labor Rates

AECOM Technical Services, Inc.

**Project ID:** IR Scan B-67-0177

| Employee Name(a) | Classification(b)              | Current Rate(c) | % Pay Increase(d) | New Pay Rate(e) | Date of Increase(f) | % Work at Current Rate(g) | % Work at Increased Rate(h) | Weighted Average Hourly Rate(i) |
|------------------|--------------------------------|-----------------|-------------------|-----------------|---------------------|---------------------------|-----------------------------|---------------------------------|
| Bill Shilling    | Project Manager                | \$66.19         | 3.10%             | \$68.24         | 1/1/2020            | 100.00%                   | 0.00%                       | \$66.19                         |
| Brady Seston     | Bridge Rehabilitation Engineer | \$34.73         | 3.10%             | \$35.81         | 1/1/2020            | 100.00%                   | 0.00%                       | \$34.73                         |
| Tim Crowley      | Senior NDT Technician          | \$38.20         | 3.10%             | \$39.38         | 1/1/2020            | 100.00%                   | 0.00%                       | \$38.20                         |
| Tony Tieso       | NDT Technician                 | \$22.35         | 3.10%             | \$23.04         | 1/1/2020            | 100.00%                   | 0.00%                       | \$22.35                         |
|                  |                                |                 |                   |                 |                     |                           |                             |                                 |
|                  |                                |                 |                   |                 |                     |                           |                             |                                 |
|                  |                                |                 |                   |                 |                     |                           |                             |                                 |
|                  |                                |                 |                   |                 |                     |                           |                             |                                 |
|                  |                                |                 |                   |                 |                     |                           |                             |                                 |
|                  |                                |                 |                   |                 |                     |                           |                             |                                 |
|                  |                                |                 |                   |                 |                     |                           |                             |                                 |
|                  |                                |                 |                   |                 |                     |                           |                             |                                 |

**Contract Completion Date:** 3/1/2022

**Contract Start Date:**



**Direct Expenses by Item**

**AECOM Technical Services, Inc.**

**Project ID:**

**IR Scan B-67-0177**

**0**

| Item             | Quantity | Unit Type | Rate     | Total Expenses  |
|------------------|----------|-----------|----------|-----------------|
| Employee mileage | 75       | Miles     | \$0.580  | \$43.50         |
| IR Equipment     | 0.5      | Days      | \$700.00 | \$350.00        |
|                  |          |           |          |                 |
| <b>TOTAL</b>     |          |           |          | <b>\$393.50</b> |

