

THREE PARTY DESIGN ENGINEERING SERVICES CONTRACT  
BETWEEN THE WISCONSIN DEPARTMENT OF TRANSPORTATION (DEPARTMENT),  
VILLAGE OF SHOREWOOD HILLS (MUNICIPALITY)  
AND KL ENGINEERING, INC. (CONSULTANT) FOR

Project ID 5992-10-03  
Village of Shorewood Hills, Lake Mendota Drive  
Multi-Use Trail, P-13-0994  
Dane 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 January 2019 and includes the design of the replacement bridge and necessary approaches. 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: Mark Westerveld; Local Program Project Manager; 2101 Wright St, Madison, WI 53704; [mark.westerveld@dot.wi.gov](mailto:mark.westerveld@dot.wi.gov); and 608.246.5355.

The MUNICIPALITY REPRESENTATIVE is: Karl Frantz; Village Administrator; 810 Shorewood Boulevard, Madison, WI 53705; [kfrantz@shorewood-hills.org](mailto:kfrantz@shorewood-hills.org); and 608.267.2680.

The CONSULTANT REPRESENTATIVE is: Chad Halverson; Project Manager; 5400 King James Way, Suite 200, Madison, WI 53719; [chalverson@klengineering.com](mailto:chalverson@klengineering.com); and 608.663.1218.

The CONSULTANT SERVICES will be performed for the DEPARTMENT'S Southwest Region office located in Madison, WI and will be completed by May 1, 2023. Deliver PROJECT DOCUMENTS to 2101 Wright St, Madison, WI 53704, 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

#### BASIS OF PAYMENT

For Road Plans, Structure Plans, and Right of Way Plats and Descriptions, a lump sum of \$93,913.23.

For Subsurface Investigations subcontracted to CGC, Inc., the CONSULTANT'S actual cost not to exceed \$11,205.00 based on CGC, Inc.'s estimated cost proposal.

For Historical Surveys subcontracted to Commonwealth Heritage Group, the CONSULTANT'S actual cost not to exceed \$5,305.13 based on Commonwealth Heritage Group's estimated cost proposal.

For Bridge Aesthetic Design subcontracted to Saiki Design, the CONSULTANT'S actual cost not to exceed \$5,554.50 based on Saiki Design's estimated cost proposal.

Compensation for all SERVICES provided by the CONSULTANT under the terms of the CONTRACT shall be for an amount not to exceed \$115,977.86.

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

Approved

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

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

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

Governor, State of Wisconsin

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

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

## **VI. SPECIAL PROVISIONS**

### *SCOPE OF SERVICES*

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

(1) Request for Exceptions to Design Standards: Not Applicable

(2) Encroachment Report:

Prepare an encroachment report as directed by the MUNICIPALITY. Submit an electronic copy to the DEPARTMENT/MUNICIPALITY for approval.

(3) Other Reports:

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

(a) Design Study Report:

Complete the Local Program Bridge Design Study Report (DSR) located at: <http://wisconsin.gov/Pages/doing-bus/local-gov/lpm/proced-tools.aspx>

(b) Traffic Management Plan:

Prepare a Type 2 Traffic Management Plan and include with the DSR.

(c) Pavement Report:

The CONSULTANT shall prepare the flexible pavement design calculations and incorporate them with comment into the Design Study Report. A formal pavement report is not required.

#### **B. ENVIRONMENTAL DOCUMENTATION**

Prepare a Programmatic Categorical Exclusion (PCE) Environmental document for the PROJECT as specified in the MANUAL and Chapter TRANS 400, Wisconsin Administrative Code. Furnish the required number to the DEPARTMENT and 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 Applicable
- (2) Environmental Impact Statements: Not Applicable
- (3) Agricultural Impact Notice: Not Applicable
- (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) programmatic evaluation in accordance with the MANUAL.
- (5) Section 6(f) Evaluation: Not Applicable
- (6) Historical and Archaeological Surveys and Studies:
  - (a) The DEPARTMENT has included this PROJECT on the Screening List for archaeology only based on the review of the Concept Definition Report. The PROJECT does not require an archaeological survey as defined in the MANUAL.
  - (b) The DEPARTMENT will provide notification to the Native American tribes as provided in the MANUAL. Provide a draft letter and map and identify the appropriate tribes for the DEPARTMENT'S use. Follow the procedures as set forth in the MANUAL to notify other interested parties of this PROJECT.
  - (c) Identify the Area of Potential Effect for the PROJECT. Conduct a reconnaissance survey as specified in the MANUAL. Submit the results of the 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.
  - (d) Prepare documentation for the determination of effects (No Effect, No Adverse Effects, Adverse Effects) as appropriate.
- (7) Noise Analysis: Not Applicable
- (8) Air Quality: Not Applicable
- (9) Hazardous Materials/Contamination Assessments:

Prepare the necessary Phase 1 Hazardous Materials Assessment Site Summaries for the PROJECT in accordance with the MANUAL and submit along with the environmental document.
- (10) Wetland Investigations:

Identify wetland impacts in conjunction with the Department of Natural Resources and provide for compensation of wetland loss, if necessary, following the

procedures in the MANUAL and the "Wisconsin Department of Transportation Wetland Mitigation Banking Technical Guideline dated March 2002". Wetland Mitigation Plans for the PROJECT shall 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.

- (2) Section 404 Permits:

(a) 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 MANUAL; and prepare the necessary permit application.

(b) Preparation of an individual Section 404 permit application for submittal to the United States Army Corp of Engineers shall be considered "Extra Services".

- (3) Section 9 and 10 Permits: Not Applicable

- (4) Stormwater Permits:

Prepare the on-line storm water permit application for the PROJECT.

**D. RAILROAD/ UTILITY INVOLVEMENTS**

- (1) Railroad Negotiations/Agreements: Not Applicable

- (2) Utility Coordination:

Perform all utility coordination in accordance with:

- a) The MANUAL
- b) The WisDOT "Guide to Utility Coordination for Non-TRANS 220 projects"
- c) The "Local Project Utility Coordination Task List"

- (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 Applicable

**E. PUBLIC INVOLVEMENT**

- (1) Public Involvement Meetings:
- (a) Prepare a Public Involvement Plan for the PROJECT.
  - (b) Conduct or assist the MUNICIPALITY in holding three (3) public involvement meetings and explain to the public concepts and probable impacts of this PROJECT. Collect input from the public during the first meeting. Provide up to three alternatives during the second meeting. Present the preferred alternative with construction impacts during the third meeting.
  - (c) Prepare all exhibits and supplementary handout material and provide the equipment necessary to conduct the public involvement meetings.
  - (d) Prepare a summary report after the public involvement meetings.
  - (e) Discuss with the MUNICIPALITY the comments received and recommend the possible disposition of these comments and suggestions after the public involvement meetings.
  - (f) Make all the necessary arrangements for scheduling the public involvement meetings and provide notices and press releases for the MUNICIPALITY'S use. Notify all adjacent and affected property owners. The MUNICIPALITY will provide the CONSULTANT a mailing list for the public involvement meeting.
  - (g) Provide the MUNICIPALITY with copies of all public involvement correspondence and file notes.
  - (h) Coordinate meeting schedules with the MUNICIPALITY'S representative.
  - (i) Provide the MUNICIPALITY with up to three (3) exhibits for their use on the MUNICIPALITY'S website.
- (2) Formal Public Hearing: Not Applicable
- (3) Open Forum Public Hearing: Not Applicable
- (4) Project Mailings, Newsletters: Not Applicable

**F. MEETINGS**

- (1) Hold an Operational Planning Meeting to discuss the organization and processing of the Services under this CONTRACT.

- (2) Three (3) meetings shall be held with MUNICIPALITY officials approximately one week prior to the public involvement meetings for the purpose of reviewing exhibits, handouts and presentation.
- (3) A 60% Plan Review Meeting with the MUNICIPALITY shall be held.
- (4) A Final Plan Review Meeting with the MUNICIPALITY shall be held approximately 45 - 60 days ahead of the PS&E submittal date.
- (5) Attend the pre-construction conference as scheduled by the DEPARTMENT.
- (6) Two (2) meetings shall be held to plan, review, and coordinate the PROJECT with the MUNICIPALITY'S staff.
- (7) Coordinate all meeting schedules with the MUNICIPALITY and the DEPARTMENT.

**G. LOCATING**

Not Applicable

**H. SURVEYS**

- (1) Temporarily mark existing right-of-way for coordination with affected utilities and property owners. This CONTRACT includes one (1) deployment to temporarily mark up to two (2) individual easements. Staking activities shall be coordinated with the MUNICIPALITY to provide at least two weeks lead time for the MUNICIPALITY to notify property owners.
- (2) The surveys shall provide information necessary for the preparation of plats and acquisition of rights of way and property.
- (3) Tie surveys into the Wisconsin County Coordinate System, Dane County, Horizontal Datum and Adjustment: NAD 83 (2011), Vertical Datum and Adjustment: NAVD 88 (2012).

**I. SOILS AND SUBSURFACE INVESTIGATIONS**

- (1) Conduct soils and subsurface investigations per normal DEPARTMENT practices as described in the Geotechnical Manual dated March 31, 2017 or as directed by the DEPARTMENT.
- (2) Investigations of subsurface soil conditions for foundations at the sites of proposed bridges or other structures are required. They shall consist of not less than one machine powered boring within the approximate limits of each substructure unit. Provide borings for up to four (4) substructure units.

Foundation borings shall be performed to yield sufficient detailed data to enable an engineering design of the structure and its foundation per DEPARTMENT standards.

Foundation investigations shall be coordinated with the MUNICIPALITY, with a minimum of three working days prior notice, to enable the MUNICIPALITY to make provisions for on-site observations and to evaluate conditions during drilling.

When borings have reached the depth of sixty (60) feet without providing necessary data, the driller is authorized to continue drilling until depths reach 120 percent of the planned depths. When necessary data is obtained for any individual boring, prior to borings reaching the planned depth, the drilling for that individual boring shall be terminated.

When completion of drilling to 120 percent of the depth of any individual boring as set forth above is not sufficient to adequately assess subsurface conditions, or otherwise determine all the required foundation information, the CONSULTANT shall recommend revised boring depths or a revised boring program for verbal authorization by the MUNICIPALITY. The extent of all subsurface foundation investigations performed shall be fully justified in the Soils Report for the PROJECT.

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; station and referenced offset and elevation. CONSULTANT shall provide final boring location GPS coordinates and provide a Google Earth image of PROJECT site showing coordinate correct as-drilled boring locations.

- (3) 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.
- (4) Transmit to the DEPARTMENT 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 DEPARTMENT'S design project I.D. and send them to the following email location at the time of PS&E submittal:  
[DOTDTSDGeotechnicalSirLab@dot.wi.gov](mailto:DOTDTSDGeotechnicalSirLab@dot.wi.gov).
- (5) Transmit to the DEPARTMENT all Soil Reports relating to structures, roadways, pavements and environment. Send this in a .pdf format that references the DEPARTMENT'S design project I.D., and send them to the following email location at the time of PS&E 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 with the number of anticipated sheets denoted in parenthesis:
  - a) Title Sheet (1 sheet)
  - b) General Notes and List of Utility Contacts (1 sheet)
  - c) Existing and Proposed Typical Sections (1 sheet)
  - d) Construction Details (2 sheets)



- e) Intersection Details (1 sheet)
  - f) Permanent Signing Plan and Pavement Marking (1 sheet @ 50 scale)
  - g) Alignment and Control Point Details (1 sheet)
  - h) Miscellaneous Quantities (2 sheets)
  - i) Plan and Profile Sheet including Erosion Control (1 sheet @ 50 scale)
  - j) Computer Earthwork Data Sheet (1 sheet)
  - k) Cross Sections (4 sheets)
- (2) It is anticipated that the PROJECT length will not exceed 200 feet.
- (3) Plan and Profile Sheets and Cross Sections for the Edgehill Drive intersection are not included.

**K. STRUCTURE PLANS**

- (1) In the design and development of the structure plans the CONSULTANT shall work with the MUNICIPALITY to develop up to three (3) alternative conceptual bridge types including concept level cost estimates that will be presented at the second Public Involvement Meeting. The MUNICIPALITY will select the preferred bridge alternative.
- (2) Once the preferred bridge alternative is chosen, the CONSULTANT shall work with the MUNICIPALITY to develop up to two (2) aesthetic treatments options including cost estimates and presentation appropriate renderings depicting the aesthetic treatments for the MUNICIPALITY'S review. The MUNICIPALITY will select the preferred aesthetic treatment.
- (3) Prepare a Grade Separation 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. The Grade Separation Structure Survey Report shall be e-submitted to the DEPARTMENT for review. The DEPARTMENT will review this preliminary plan and the Grade Separation Structure Survey Report and return an electronic copy to the CONSULTANT showing requested revisions, if any.
- (4) 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.
- (5) 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.
- (6) When the plans for a structure have been completed the CONSULTANT shall furnish the DEPARTMENT with electronic copies of such plans for review and examination. Provide a copy of the final plans to the MUNICIPALITY.

- (7) E-submit 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.
- (8) Plans will be subject to review and examination by the DEPARTMENT and MUNICIPALITY. Such review and examination may be made on the site of the PROJECT.
- (9) Along with the plans for structures e-submit one copy or reproduction of the design computations for the DEPARTMENT'S review and permanent file.
- (10) Furnish such other pertinent information and data with respect to the plans and design as the MUNICIPALITY or DEPARTMENT may request.
- (11) In the design and development of the Structure Plans, develop up to three (3) alternative structure types or other geometric configurations to enable selection of the design that provides a balance between practical construction considerations, right of way requirements, aesthetics and blending with the topography, and costs. Investigate the following structure types: single span prestressed girder, multi-span concrete slab bridge, and a multi-span timber bridge.

**L. PLATS**

- (1) Prepare Right of Way Plats in accordance with the MANUAL. The Right of Way Plat shall be prepared on 11-inch by 17-inch reproducible sheets. Prepare a Traditional Right of Way Plat or include the Right of Way Plat information on the Plan and Profile Sheet. Easements are estimated for up to two (2) parcels.
- (2) The CONSULTANT shall use the most current tax records to determine ownership of properties and premises through over which a temporary Right of Way for the PROJECT is to be acquired.
- (3) The CONSULTANT shall prepare Right of Way Descriptions for all individual parcels of land to be acquired as Right of Way for the PROJECT. Descriptions shall be by metes and bounds in accordance with the provisions as set forth in the MANUAL, or in the case of platted property by suitable reference to the platted data. The Descriptions shall be tied to the PROJECT. The CONSULTANT shall prepare the descriptions on conveyance documents.
- (4) The CONSULTANT shall submit the Right of Way Plat and Descriptions to the MUNICIPALITY for review and examination prior to acceptance by the MUNICIPALITY.
- (4) Field locate and temporarily mark the temporary boundaries in a manner which will facilitate the appraisal of all affected parcels one (1) time as noted in Section H. SURVEYS (1).
- (5) Supply the MUNICIPALITY with electronic or full size sets of plan/profile and cross sections, including Right of Way Plat if developed as part of this CONTRACT, for the MUNICIPALITY'S use in real estate acquisition at the time required in the

PROJECT schedule. Revised full size sheets shall be supplied to the MUNICIPALITY as such revisions are made throughout the acquisition process.

**M. HIGHWAY SYSTEM CHANGES**

Not Applicable

**N. TRAFFIC**

Prepare traffic forecasting based on the MUNICIPALITY'S historical traffic count data. Forecasts and growth rates will be based on historical growth rates. Traffic counts are not included. No formal traffic forecast report or memo will be prepared.

**O. COMMUNITY SENSITIVE SOLUTIONS**

Not Applicable

**P. CHANGE MANAGEMENT**

The CONSULTANT shall complete and submit Change Management Request(s), if necessary, at 60% and 90% stages of plan development.

**Q. SERVICES PROVIDED BY THE DEPARTMENT OR MUNICIPALITY**

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

1. Historical traffic counts
2. As-built plans, as may be available
3. Known utility names and contacts
4. Names and address of property owners
5. Meeting site for the Operational Planning Meeting (OPM)
6. Meeting site for the Public Involvement Meeting (PIM)
7. Publishing of the PIM advertisement
8. Environmental screening list for archaeology
9. Asbestos inspection report for the bridge

**R. PROSECUTION AND PROGRESS**

- (1) The CONSULTANT proposes to sublet these services to:
  - (a) Subsurface investigations to CGC, Inc.
  - (b) Historical Surveys to Commonwealth Heritage Group
  - (c) Bridge Aesthetic Design to Saiki Design
- (2) The following items of work will be completed and submitted to the DEPARTMENT or MUNICIPALITY by the indicated dates, if CONSULTANT has received the Notice to Proceed by January 1, 2020.

<b>Report Title</b>	<b>Date</b>
Soils Report	November 2020
Preliminary Structure Plan & SSR	December 2020
Preliminary Road Plan	January 2021
Environmental Document	February 2021
Slope Intercepts & Preliminary Plat	February 2021
Design Study Report	March 2021
Right-Of-Way Plat(s)	June 2021
Final Road Plans	June 1, 2022
Final Structure Plans	June 1, 2022
Final PS&E	August 1, 2022
LET	December 13, 2022

## Consultant Weighted Direct Labor Rates

**Project:** 5992-10-03  
Village of Shorewood Hills  
Lake Mendota Drive BR P-13-715  
Local Road  
Dane County

**Classification:** Project Manager

Employee Number	Current Rate(c)	Percent Contribution(c)	(b*c)
1714	\$50.50	100.00%	\$50.50
<b>TOTAL</b>		100.00%	\$50.50

**Classification:** Project Engineer

Employee Number	Current Rate(c)	Percent Contribution(c)	(b*c)
1092	\$36.25	50.00%	\$18.13
9415	\$51.50	20.00%	\$10.30
1714	\$50.50	30.00%	\$15.15
<b>TOTAL</b>		100.00%	\$43.58

**Classification:** Engineer

Employee Number	Current Rate(c)	Percent Contribution(c)	(b*c)
1517	\$29.00	70.00%	\$20.30
1823	\$29.00	30.00%	\$8.70
<b>TOTAL</b>		100.00%	\$29.00

**Classification:** Technician

Employee Number	Current Rate(c)	Percent Contribution(c)	(b*c)
0043	\$34.25	100.00%	\$34.25
<b>TOTAL</b>		100.00%	\$34.25

**Classification:** Survey

Employee Number	Current Rate(c)	Percent Contribution(c)	(b*c)
0153	\$40.25	35.00%	\$14.09
1611	\$31.00	30.00%	\$9.30
1834	\$23.50	35.00%	\$8.23
<b>TOTAL</b>		100.00%	\$31.62

**Classification:** Clerical

Employee Number	Current Rate(c)	Percent Contribution(c)	(b*c)
0050	\$30.00	100.00%	\$30.00
<b>TOTAL</b>		100.00%	\$30.00

**Consultant Individual Direct Labor Rates - KL Engineering, Inc.**

**Project:**                   **5992-10-03**  
**Village of Shorewood Hills**  
**Lake Mendota Drive BR P-13-715**  
**Local Road**  
**Dane County**

<b>Employee Number(a)</b>	<b>Classification(b)</b>	<b>Current Rate(c)</b>	<b>% Pay Increase(d)</b>	<b>New Pay Rate(e)</b>	<b>Date of Increase (f)</b>	<b>% Work at Current Rate(g)</b>	<b>% Work at Increased Rate(h)</b>	<b>Weighted Average Hourly Rate(i)</b>
1714	Project Manager	\$50.50	3.10%	\$52.07	1/1/2020	0.00%	40.00%	\$20.83
Average Select Individuals	Project Engineer	\$43.58	3.10%	\$44.93	1/1/2020	0.00%	40.00%	\$17.97
Average Select Individuals	Engineer	\$29.00	3.10%	\$29.90	1/1/2020	0.00%	40.00%	\$11.96
0043	Technician	\$34.25	3.10%	\$35.31	1/1/2020	0.00%	40.00%	\$14.12
Average Select Individuals	Survey	\$31.62	3.10%	\$32.60	1/1/2020	0.00%	100.00%	\$32.60
0050	Clerical	\$30.00	3.10%	\$30.93	1/1/2020	0.00%	40.00%	\$12.37
1714	Project Manager	\$52.07	3.10%	\$53.68	1/1/2021	0.00%	30.00%	\$16.10
Average Select Individuals	Project Engineer	\$44.93	3.10%	\$46.32	1/1/2021	0.00%	30.00%	\$13.90
Average Select Individuals	Engineer	\$29.90	3.10%	\$30.83	1/1/2021	0.00%	30.00%	\$9.25
0043	Technician	\$35.31	3.10%	\$36.40	1/1/2021	0.00%	30.00%	\$10.92
Average Select Individuals	Survey	\$32.60	3.10%	\$33.61	1/1/2021	0.00%	0.00%	\$0.00
0050	Clerical	\$30.93	3.10%	\$31.89	1/1/2021	0.00%	30.00%	\$9.57
1714	Project Manager	\$53.68	3.10%	\$55.34	1/1/2022	0.00%	28.00%	\$15.50
Average Select Individuals	Project Engineer	\$46.32	3.10%	\$47.76	1/1/2022	0.00%	28.00%	\$13.37
Average Select Individuals	Engineer	\$30.83	3.10%	\$31.79	1/1/2022	0.00%	28.00%	\$8.90
0043	Technician	\$36.40	3.10%	\$37.53	1/1/2022	0.00%	28.00%	\$10.51
Average Select Individuals	Survey	\$33.61	3.10%	\$34.65	1/1/2022	0.00%	0.00%	\$0.00
0050	Clerical	\$31.89	3.10%	\$32.88	1/1/2022	0.00%	28.00%	\$9.21

**Consultant Individual Direct Labor Rates - KL Engineering, Inc.**

**Project:**                   **5992-10-03**  
**Village of Shorewood Hills**  
**Lake Mendota Drive BR P-13-715**  
**Local Road**  
**Dane County**

<b>Employee Number(a)</b>	<b>Classification(b)</b>	<b>Current Rate(c)</b>	<b>% Pay Increase(d)</b>	<b>New Pay Rate(e)</b>	<b>Date of Increase (f)</b>	<b>% Work at Current Rate(g)</b>	<b>% Work at Increased Rate(h)</b>	<b>Weighted Average Hourly Rate(i)</b>
1714	Project Manager	\$55.34	3.10%	\$57.06	1/1/2023	0.00%	2.00%	\$1.14
Average Select Individuals	Project Engineer	\$47.76	3.10%	\$49.24	1/1/2023	0.00%	2.00%	\$0.98
Average Select Individuals	Engineer	\$31.79	3.10%	\$32.78	1/1/2023	0.00%	2.00%	\$0.66
0043	Technician	\$37.53	3.10%	\$38.69	1/1/2023	0.00%	2.00%	\$0.77
Average Select Individuals	Survey	\$34.65	3.10%	\$35.72	1/1/2023	0.00%	0.00%	\$0.00
0050	Clerical	\$32.88	3.10%	\$33.90	1/1/2023	0.00%	2.00%	\$0.68
	<b><u>SUMMATION</u></b>							
1714	Project Manager							\$53.57
Average Select Individuals	Project Engineer							\$46.22
Average Select Individuals	Engineer							\$30.77
0043	Technician							\$36.32
Average Select Individuals	Survey							\$32.60
0050	Clerical							\$31.83

**Contract Completion Date:** May 31, 2023

**Summary of Staff Hours and Direct Labor Costs - KL Engineering, Inc.**

**PROJECT TOTAL**

**Project:**                   **5992-10-03**  
**Village of Shorewood Hills**  
**Lake Mendota Drive BR P-13-715**  
**Local Road**  
**Dane County**

Classification			Project Manager		Project Engineer		Engineer		Technician		Survey		Clerical			
Avg. Hourly Wage			\$53.57		\$46.22		\$30.77		\$36.32		\$32.60		\$31.83		Total Direct Labor	
Outline	Task	Activity Code	Hours	Dollars	Hours	Dollars	Hours	Dollars	Hours	Dollars	Hours	Dollars	Hours	Dollars	Hours	Dollars
1.1.2	Manage Project Scope and Schedule	887	16	\$857.12	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	16	\$509.28	32	\$1,366.40
1.1.3	Manage Change	884	6	\$321.42	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	6	\$321.42
1.4.1	Manage Project Stakeholders	743	35	\$1,874.95	51	\$2,357.22	0	\$0.00	4	\$145.28	0	\$0.00	9	\$286.47	99	\$4,663.92
2.2.4	Design Geometrics and Details	776	6	\$321.42	20	\$924.40	56	\$1,723.12	12	\$435.84	0	\$0.00	0	\$0.00	94	\$3,404.78
2.2.5	Develop Quantities and Estimates	786	2	\$107.14	7	\$323.54	18	\$553.86	0	\$0.00	0	\$0.00	0	\$0.00	27	\$984.54
2.2.6	Develop PSE Documents	856	2	\$107.14	11	\$508.42	7	\$215.39	0	\$0.00	0	\$0.00	6	\$190.98	26	\$1,021.93
2.3.19	Survey Existing and Proposed Right-of-Way	726	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	90	\$2,934.00	0	\$0.00	90	\$2,934.00
2.3.21	Develop Transportation Project Plat (TPP)	745	0	\$0.00	0	\$0.00	0	\$0.00	16	\$581.12	32	\$1,043.20	0	\$0.00	48	\$1,624.32
2.4.4	Analyze Natural Environment Impact	766	0	\$0.00	2	\$92.44	8	\$246.16	0	\$0.00	0	\$0.00	0	\$0.00	10	\$338.60
2.4.5	Environmental Documentation and Agency Coordination	769	1	\$53.57	12	\$554.64	11	\$338.47	0	\$0.00	0	\$0.00	0	\$0.00	24	\$946.68
2.5.1	Develop Structure Survey Report	647	0	\$0.00	6	\$277.32	20	\$615.40	0	\$0.00	0	\$0.00	0	\$0.00	26	\$892.72
2.5.4	Design Structure	656	6	\$321.42	82	\$3,790.04	132	\$4,061.64	0	\$0.00	0	\$0.00	0	\$0.00	220	\$8,173.10
2.5.5	Draft Structure Plan	657	2	\$107.14	4	\$184.88	40	\$1,230.80	120	\$4,358.40	0	\$0.00	0	\$0.00	166	\$5,881.22
2.7.6	Coordinate Utilities	746	0	\$0.00	0	\$0.00	10	\$307.70	0	\$0.00	0	\$0.00	3	\$95.49	13	\$403.19
3.2.1	Manage Construction Start	791	2	\$107.14	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	2	\$107.14
<b>TOTAL:</b>			<b>78</b>	<b>\$4,178.46</b>	<b>195</b>	<b>\$9,012.90</b>	<b>302</b>	<b>\$9,292.54</b>	<b>152</b>	<b>\$5,520.64</b>	<b>122</b>	<b>\$3,977.20</b>	<b>34</b>	<b>\$1,082.22</b>	<b>883</b>	<b>\$33,063.96</b>



# Fee Computation Summary by Engineering Task - KL Engineering, Inc.

## PROJECT TOTAL

**Project:**

**5992-10-03**

**Village of Shorewood Hills**

**Lake Mendota Drive BR P-13-715**

**Local Road**

**Dane County**

Outline	Task	Activity Code	Direct Labor Costs	Overhead Costs	Fixed Fee/Profit*	Direct Expenses	Total
1.1.2	Manage Project Scope and Schedule	887	\$1,366.40	\$2,266.99	\$247.66	\$0.00	\$3,881.05
1.1.3	Manage Change	884	\$321.42	\$533.27	\$58.26	\$0.00	\$912.95
1.4.1	Manage Project Stakeholders	743	\$4,663.92	\$7,737.91	\$845.34	\$0.00	\$13,247.17
2.2.4	Design Geometrics and Details	776	\$3,404.78	\$5,648.87	\$617.12	\$0.00	\$9,670.77
2.2.5	Develop Quantities and Estimates	786	\$984.54	\$1,633.45	\$178.45	\$0.00	\$2,796.44
2.2.6	Develop PSE Documents	856	\$1,021.93	\$1,695.48	\$185.22	\$0.00	\$2,902.63
2.3.19	Survey Existing and Proposed Right-of-Way	726	\$2,934.00	\$4,867.80	\$531.79	\$0.00	\$8,333.59
2.3.21	Develop Transportation Project Plat (TPP)	745	\$1,624.32	\$2,694.91	\$294.41	\$0.00	\$4,613.64
2.4.4	Analyze Natural Environment Impact	766	\$338.60	\$561.77	\$61.37	\$0.00	\$961.74
2.4.5	Environmental Documentation and Agency Coordination	769	\$946.68	\$1,570.64	\$171.59	\$0.00	\$2,688.91
2.5.1	Develop Structure Survey Report	647	\$892.72	\$1,481.11	\$161.81	\$0.00	\$2,535.64
2.5.4	Design Structure	656	\$8,173.10	\$13,559.99	\$1,481.37	\$0.00	\$23,214.46
2.5.5	Draft Structure Plan	657	\$5,881.22	\$9,757.53	\$1,065.97	\$0.00	\$16,704.72
2.7.6	Coordinate Utilities	746	\$403.19	\$668.93	\$73.08	\$0.00	\$1,145.20
3.2.1	Manage Construction Start	791	\$107.14	\$177.76	\$19.42	\$0.00	\$304.32
<b>TOTAL:</b>			\$33,063.96	\$54,856.41	\$5,992.86	\$0.00	\$93,913.23

**Home Office Overhead Rate:**

1.6591

**Fixed Fee:**

7.25%

\*Fixed Fee calculated using 1.5 multiplier

**Consultant Contract Total Fee Computation - KL Engineering, Inc.**

**5992-10-03**

**Village of Shorewood Hills**

**Lake Mendota Drive BR P-13-715**

**Local Road**

**Dane County**

<b>Project ID</b>	<b>5992-10-03</b>				<b>Total for Contract</b>
<b>Number of Staff Hours</b>	883				883
<b>Total Direct Labor</b>	\$33,063.96				\$33,063.96
<b>Total Overhead Costs</b>	\$54,856.41				\$54,856.41
<b>Fixed Fee/Profit</b>	\$5,992.86				\$5,992.86
<b>Direct Expenses</b>	\$0.00				\$0.00
<b>Subtotal</b>	<b>\$93,913.23</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$93,913.23</b>
<b>CGC, Inc.</b>	\$11,205.00				\$11,205.00
<b>Commonwealth Heritage Group</b>	\$5,305.13				\$5,305.13
<b>Saiki Design</b>	\$5,554.50				\$5,554.50
<b>TOTAL COST (Rows 5-8, Subs):</b>	<b>\$115,977.86</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$115,977.86</b>

Home Office Overhead Rate:

1.6591

Fixed Fee:

7.25%



2921 Perry Street, Madison, WI 53713  
608-288-4100 • FAX: 608-288-7887

Mr. Chad Halverson  
KL Engineering  
(chalverson@klengineering.com)

**PROPOSAL No.:** C976.790 - Revised  
**DATE:** October 30, 2019  
**Re: Proposal for Geotechnical Services**  
Lake Mendota Drive Bridge Replacement  
P-13-715  
Village of Shorewood Hills, Dane County, WI

**PROJECT DESCRIPTION**

We understand an existing bridge along Lake Mendota Drive in the Village of Shorewood Hills is planning to be reconstructed as either a single-span or three-span bridge. The bridge abutments are anticipated to require deep foundation support.

**SCOPE OF SERVICES**

- Contact Diggers Hotline to locate public utilities in the field.
- Drill a total of four Standard Penetration Test (SPT) soil borings, with two at each abutment location. We recommend the borings be completed to a depth of 60 ft (or refusal), amounting to a total drilling footage of 240 ft.
- Traffic control including only signage to close the road during drilling.
- Unused drilling footage (i.e., due to refusal within consistently very dense soils or weathered bedrock) will not be invoiced.
- The boreholes will be backfilled in accordance with WDNR regulations.
- Limited geotechnical laboratory testing for classification purposes.
- Prepare a geotechnical report providing recommendations regarding foundation design and construction according to WisDOT LRFD procedures for driven piles. A preliminary drivability analysis be completed and pavement design recommendations will also be provided for the approach work.

**SPECIAL TERMS**

- We assume that private utilities are not present or will be located by the client or others. If needed, CGC can arrange for a private utility locate for an additional cost of about \$300 to \$500.
- We assume KL will field-stake the borings and provide ground surface elevations at the boring locations.
- We assume that the borings locations can be accessed with a truck-mounted drill rig.
- Clearance of trees and brush, snowplowing or landscape repairs (including rutting) have not been included in our estimate, which are considered beyond the scope of services.

**ESTIMATED COSTS** (Summarized in Table 1, attached)

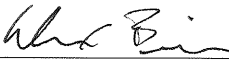
**\$11,205**, estimated cost, not to exceed without your approval. Our work will be invoiced on a time-plus-expenses basis according to our current rate schedule. The estimated total includes a lump sum cost of \$2,200 for geotechnical report preparation. Additional services, if required, can be provided according to the unit rates included in Table 1 and Rate Schedule A.

**COMPLETION SCHEDULE**

Upon notice to proceed, drilling can typically be scheduled within about two to three weeks, pending Diggers Hotline clearance and boring layout. Drilling is expected to require about four days to complete. The geotechnical report can typically be completed within about two to three weeks after drilling is finished, with verbal recommendations and draft boring logs available within about one week after drilling, if desired.

**ACCEPTANCE**

**Prior to authorizing CGC, Inc. to begin with the work outlined within the scope of services defined in the above proposal, please review the terms and conditions presented on the attached General Conditions for Professional Services. Signing this proposal will be considered authorization for CGC, Inc. to proceed.**

Accepted by: _____	Date: _____	Submitted by: AJB	Date: <u>October 30, 2019</u>
By: _____		CGC, Inc.	
		By: 	
		Alex J. Bina, P.E.	
Title: _____		Title: <u>Project Engineer</u>	

Please return one signed copy

Table 1  
**Summary of Costs - Geotechnical Soil Borings & Report**  
**Lake Mendota Drive Bridge Replacement**  
**Structure P-13-715**  
**Village of Shorewood Hills, Dane County, WI**

Item	Quantity	Unit	Unit Rate	Total
<b>Geotechnical Drilling Costs (Badger State Drilling Direct Cost)</b>				
<i>Drill Rig Mobilization</i>	1	LS	\$450	\$450
<i>0 - 20 ft</i>	80	ft	\$19	\$1,520
<i>21 - 40 ft</i>	80	ft	\$22	\$1,760
<i>40 - 60 ft</i>	80	ft	\$26	\$2,080
<i>60 - 80 ft</i>	0	ft	\$32	\$0
<i>Temp. Casing</i>	80	ft	\$8	\$640
<i>Pavement Patch</i>	4	ea	\$35	\$140
<i>Borehole Abandonment (bent-cement grout)</i>	240	ft	\$6	\$1,440
<i>Rock Core Setup</i>	0	ea	\$325	\$0
<i>Rock Coring</i>	0	ft	\$60	\$0
<i>Core Box</i>	0	ea	\$35	\$0
<i>ATV Drill Rig</i>	0	day	\$400	\$0
<i>Street Open Permit</i>	1	ea	\$75	\$75
<i>Project Coordination</i>	4	hrs	\$100	\$400
<i>Standby</i>	0	hrs	\$250	\$0
<i>Flagger (one man)</i>	0	hrs	\$75	\$0
<i>Warning Signs</i>	4	day	\$125	\$500
<i>Arrow Board</i>	0	day	\$175	\$0
<b>Geotechnical Drilling Cost</b>				<b>\$9,005</b>
<b>Report Preparation</b>				
<i>Geotechnical Report</i>	1	LS	\$2,200	\$2,200
<b>Laboratory Testing and Report Cost</b>				<b>\$2,200</b>
<b>Total Estimated Cost</b>				<b>\$11,205</b>

**2019 SCHEDULE OF FEES AND CHARGES  
MATERIALS LABORATORY TESTING SERVICES  
CGC, INC.  
MADISON, WISCONSIN  
SCHEDULE B**

I. AGGREGATES	Cost/Test	IV. MOISTURE-DENSITY & RELATIVE DENSITY TESTS	Cost/Test
1. Washed Sieve		1. Modified or Standard Proctor	
a. 1.50" Nominal.....	\$ 100.00	a. Sample Preparation (per sample).....	\$ 35.00
b. 3.00" Nominal.....	\$ 225.00	b. Coarse-Grained Soil (per point)	
c. 5.00" Nominal.....	\$ 375.00	i. 4 in. mold.....	\$ 27.00
2. Dry Sieve		ii. 6 in. mold.....	\$ 37.00
a. 1.50" Nominal.....	\$ 50.00	c. Fine-Grained Soil (per point)	
b. 3.00" Nominal.....	\$ 150.00	i. 4 in. mold.....	\$ 39.00
c. 5.00" Nominal.....	\$ 275.00	ii. 6 in. mold.....	\$ 41.00
3. Sand Sieve (Washed) thru No. 200 Sieve.....	\$ 60.00	2. Relative Density	
4. P200 Content Only-Aggregate.....	\$ 60.00	a. Dry.....	\$ 130.00
5. Soundness.....	\$ 245.00	b. Wet.....	\$ 130.00
6. Los Angeles Abrasion		<b>V. CONCRETE BLOCK</b>	
a. 100 or 500 Revolutions.....	\$ 170.00	1. Compressive Strength	
b. 100 & 500 Revolutions.....	\$ 245.00	a. Single Block.....	\$ 85.00
7. Fracture Count.....	\$ 95.00	b. Block Prism.....	\$ 150.00
8. Specific Gravity & Absorption.....	\$ 100.00	2. Combined Block Tests (Set of 6, includes compressive strength, absorption, equivalent thickness & moisture content) \$	800.00
9. Flat & Elongated Particles.....	\$ 150.00	3. Petrographic Examination.....	*
10. Lightweight Particles.....	\$ 275.00	<b>VI. MASONRY</b>	
11. Organic Impurities.....	\$ 55.00	1. Initial Rate of Absorption (Set of 5).....	\$ 200.00
12. Unit Weight.....	\$ 60.00	2. Absorption (Set of 5)	
13. Friable Particles.....	\$ 65.00	a. 5 hour boil.....	\$ 150.00
14. Freeze Thaw of Aggregates.....	\$ 245.00	b. 24 hour immersion.....	\$ 175.00
15. Petrographic Examination		3. Compressive Strength (Set of 5).....	\$ 200.00
Coarse Aggregate.....	*	4. Flexural Strength (Set of 5).....	\$ 325.00
Fine Aggregate.....	*	5. Efflorescence (Set of 10).....	\$ 200.00
Crushed Stone.....	*	6. Petrographic Examination.....	*
Ledge Rock.....	*	<b>VII. MORTAR/CEMENT/GROUT</b>	
<b>II. CONCRETE</b>		1. Compressive Strength of Cubes/Cylinders/Prisms.....	\$ 18.00
1. Compressive Strength of Cylinders.....	** 15.00	2. Water Retention.....	*
2. Compressive Strength of Cores/CIPPOCS.....	\$ 30.00	3. Bond.....	*
3. Beam Flexural Strength.....	\$ 65.00	4. Air Content.....	*
4. Concrete Cylinder Molds (each).....	\$ 3.00	5. Mix Design.....	*
5. Trimming of Concrete Cylinders/Cores		6. Time of Set.....	*
a. 4 in. dia. & under (per end).....	\$ 10.00	7. Petrographic Examination.....	*
b. 4 in. dia. & over (per end).....	\$ 12.00	<b>VIII. REINFORCING STEEL</b>	
6. Concrete Coring Bit Charge		1. Tensile Test - Weld Specimen.....	*
a. 4 in. dia. & under.....	\$ 12.00	2. Bond Test.....	*
b. 4 in. dia. & over.....	\$ 16.00	<b>IX. FIELD TESTING/EQUIPMENT</b>	
7. Field Testing Equipment (per visit).....	\$ 10.00	1. Personnel Charges.....	*
8. Concrete Mix Design.....	*	2. Field Density Test Charges.....	\$ 10.00
9. Petrographic Examination.....	*	3. Misc. Field Equipment.....	***
10. Hardened Air Content Determination.....	*	4. Cylinder Cure Box.....	\$ 80.00/season
11. Chloride Ion Content		5. Crack Monitors.....	\$ 30.00/each
Water Soluble.....	\$ 200.00	6. Vaprecision Slab Moisture Kits.....	\$ 35.00/each
Acid Soluble.....	\$ 175.00	7. Maturity Meter Temperature Probes.....	\$ 85.00/each
12. Concrete Maturity Curve Development (estimate).....	\$ 900.00	* Denotes tests performed on a time and material basis.	
<b>III. BITUMINOUS</b>		** A reduced rate will be negotiated for cylinders prepared by on-site CGC personnel.	
1. Asphalt Extraction/Washed Sieve Analysis.....	\$ 300.00	*** Refer to Schedule A for Construction Testing Services.	
2. Asphalt Content Only.....	\$ 200.00		
3. Unit Weight of Cut Asphalt Pavement.....	\$ 75.00		
4. Superpave Mix Design (not including ingredient tests).....	*		
5. WDOT QMP Tests.....	*		
6. One-Point Design Check (pre-mixed sample).....	\$ 500.00		

**GENERAL REMARKS**

1. These testing rates are in effect for the 2019 calendar year.
2. These testing rates are for samples delivered to the laboratory. Sample pick-up and/or field preparation will be invoiced in accordance with standard labor rates.
3. These testing rates normally include checking, review and preparation of final results and submittal to the client with a transmittal letter. Interpretation, analysis and general consultation regarding test results will be invoiced in accordance with standard labor rates.
4. Specialized tests not listed can be quoted on an individual test basis.
5. A separate schedule of fees and charges is available for Geotechnical Laboratory Testing Services.
6. Invoices will be submitted monthly and will include the charges incurred during the preceding month. Payment of these invoices is due within thirty (30) days of the invoice date. Late payment may be subjected to interest charges of 1.5% per month.

**This fee schedule contains confidential business information and is not to be copied or distributed for any purpose other than the use intended in this contract or proposal.**




---

This proposal contains pricing and other information confidential and proprietary to Commonwealth Heritage Group, Inc. Disclosure of this proposal's contents to persons or organizations outside KL Engineering, Inc., the Village of Shorewood Hills, and the Wisconsin Department of Transportation is not authorized without specific written permission of Commonwealth Heritage Group, Inc. All technical specifications in this proposal are valid for 90 days.

---

**Date:** May 10, 2019 W-1466

**To:** Mike Bakalars, PE  
KL Engineering, Inc.

**From:** Greg Rainka 

**Subject:** Proposal –Architecture/History Investigations  
WisDOT Project ID 5992-10-03  
Lake Mendota Drive Bridge (P-13-715) Replacement  
Village of Shorewood Hills  
Dane County

Commonwealth Heritage Group, Inc. (Commonwealth) is pleased to present the following proposal to KL Engineering, Inc. (KL) for cultural resources services for the subject bridge replacement project in Shorewood Hills. It is our understanding that architecture/history investigations are needed pursuant to Section 106 of the National Historic Preservation Act and its implementing regulations. Commonwealth has completed numerous compliance surveys in WisDOT's Southwest Region, including for bridge replacement projects, and you can expect our familiarity with the project area and projects of this type will facilitate all phases of the Section 106 process.

## **ARCHITECTURE/HISTORY SURVEY**

### **Background Research and Reconnaissance-Level Fieldwork**

Commonwealth will conduct background and archival research and review the WHPD to determine if any properties in the project area were previously surveyed. Commonwealth will then complete an architecture/history survey of properties that may be directly or indirectly affected by the project in accordance with the Wisconsin Historical Society's *Survey Manual*. 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 view sheds will be provided as needed to document the project's APE, which we assume will include the bridge and immediately adjacent properties. Verbal notification of our survey results will be provided to KL within five working days of completion of the fieldwork.



Based on a preliminary review of the WHPD, the bridge proposed for replacement has not been previously surveyed. However, it does appear to be located within the National Register-listed Shorewood Historic District. In addition, the residential property immediately southwest of the bridge at 3401 Lake Mendota Drive is previously surveyed (AHI #123581) and contributes to the district. The only other property in the assumed APE with buildings or structures is McKenna Park, which is located underneath the existing bridge.

For the purposes of this proposal, Commonwealth assumes that few other properties will require survey and no additional above-ground historic properties will be identified outside of the historic district. As a result, Commonwealth will prepare a letter report in lieu of a full Architecture/History Survey Report (AHSR).

#### **Documentation for Determination of No Adverse Effects**

Effects to the National Register-listed Shorewood Historic District will need to be assessed and considered in accordance with Section 106. Commonwealth will work with KL to avoid adverse effects, and assuming adverse effects can be avoided, Commonwealth will prepare a Determination of No Adverse Effects (DNAE).

For the purposes of this proposal, we assume that a DNAE will be prepared.

#### **OTHER SERVICES INCLUDED**

In addition to the architecture/history investigations, Commonwealth will assist KL with completing the Section 106 form and will notify local historical societies and other local interested parties to solicit comments about the project and its potential to affect historic properties.

#### **SERVICES NOT INCLUDED**

This proposal does not include archaeological investigations or the preparation of Determinations of Eligibility (DOEs). In addition, if adverse effects to historic properties cannot be avoided, Documentation for Consultation (D for C) and drafting of a Memorandum of Agreement (MOA) are not included as part of this proposal. Further, Commonwealth will not be providing services related to Section 4(f) and/or 6(f).

#### **DELIVERABLES**

Electronic drafts of the architecture/history survey letter report and DNAE will be submitted to KL for review and comment. Following receipt of comments, hard copies of the final reports and Section 106 review form will be submitted to KL for your files and distribution.

#### **PERSONNEL QUALIFICATIONS**

Commonwealth will dedicate the following key personnel to this project:

##### **Project Manager and Architectural Historian**

Greg Rainka (M.S., The School of the Art Institute of Chicago) is currently Assistant Regional Director for Commonwealth's Wisconsin office. He has ten years of experience as an architectural historian, cultural resources specialist, preservation planner, and project manager, and exceeds the Secretary of the



Interior's Professional Qualification Standards for History and Architectural History. His job responsibilities have primarily included documenting and facilitating project compliance with federal and state historic preservation and environmental laws and regulations. He has completed numerous historic and cultural resource studies for transportation, energy, telecommunication, and other infrastructure projects, and has surveyed and evaluated residential, commercial, industrial, agricultural, military, and tribal property types, as well as engineering resources such as power generation facilities, water control structures, roads, railroads, and bridges. Mr. Rainka has also completed National Register of Historic Places nominations and HABS/HAER reports; participated in statewide contextual studies and historic bridge and road inventories; and prepared historic structures reports, historic property maintenance plans, and agreement documents. From 2012 to 2015, Mr. Rainka was a contract staff historian for the Wisconsin Department of Transportation (WisDOT). In that role, he reviewed compliance documentation for WisDOT projects and worked directly with the State Historic Preservation Office (SHPO) to complete the compliance process. He was also responsible for planning WisDOT's annual training for architecture/history consultants and regional environmental coordinators.

## **SCHEDULE**

Weather permitting, the architecture/history survey will begin within 10 business days of receiving authorization to proceed. Commonwealth proposes to prepare a draft architecture/history survey letter report within 5 business days after the completion of the fieldwork. Commonwealth will prepare a DNAE within 10 business days of receiving detailed project plans. All final reports will be submitted within 5 business days of receiving comments from KL. Should this schedule not meet the needs of KL, Commonwealth will negotiate a modified schedule.

## **COST**

Based on our assumptions, Commonwealth proposes to complete an architecture/history survey and associated reporting for the proposed bridge replacement project, as well as a DNAE, for a total cost not to exceed **\$5,305.13**. Billing will be on a cost reimbursable, plus fixed fee basis. Attached is a breakdown of costs.



Architecture/History Survey and DNAE  
WisDOT Project ID 5992-10-03  
Lake Mendota Drive Bridge (P-13-715) Replacement  
Village of Shorewood Hills, Dane County

<b>Salary &amp; Wages</b>	Prefield	Field	Report	TOTAL	TOTAL	
Rainka, Greg/Project Manager	\$32.00	4		40	44	\$1,408.00
Winterhalter, Shannon/Architectural Historian	\$20.00	4	10	12	26	\$520.00
Hulit, Elissa/GIS-Graphics	\$25.73	2		4	6	\$154.38
<b>Subtotal</b>		<b>10</b>	<b>10</b>	<b>56</b>	<b>76</b>	<b>\$2,082.38</b>
<b>General and Administrative</b>						
Provisional Rate = 123.72						
Labor x 123.72						\$2,576.32
<b>Subtotal</b>						<b>\$2,576.32</b>
<b>Fixed Fee</b>						
Labor x 2.5 x 7.25%						\$377.43
<b>Subtotal</b>						<b>\$377.43</b>
<b>Out of Pockets</b>						
<b>Transportation</b>						
	Miles	Cost				
Mileage @\$0.58/mile	200	\$116.00				\$116.00
						<b>\$116.00</b>
<b>Travel</b>						
	Days	Cost				
Per Diem @\$38.00 day	1	\$38.00				\$38.00
Lodging @90.00/day	1	\$90.00				\$90.00
						<b>\$128.00</b>
<b>Additional Expenses</b>						
	Qty	Cost				
Reproduction and Printing	1	\$15.00				\$15.00
Postage and Delivery	1	\$10.00				\$10.00
						<b>\$25.00</b>
<b>Out of Pockets Subtotal</b>						<b>\$269.00</b>
<b>Total Estimated Cost</b>						<b>\$5,305.13</b>



November 18, 2019

Mr. Mike Bakalars  
KL Engineering  
5950 Seminole Centre Ct., Suite 200  
Madison, WI 53711

RE: Proposal for Design Services // Lake Mendota Drive Bridge Replacement  
Village of Shorewood Hills, WI

Dear Mike:

We look forward to working with you on the Shorewood Hills-Lake Mendota Drive bridge replacement project plan development and CSD/CSS for the bridge structure. Please find our attached proposal for conceptual structure aesthetics design services.

Our scope of services includes the following:

- Preparation for and attendance at the following meetings:
  - 1 kick-off or in-person design meeting at KL Engineering's Madison office
  - Up to 2 local officials' meetings at the Village of Shorewood Hills
- Develop and provide exhibits for up to two (2) aesthetic treatment options for the preferred bridge alternate, including a presentation board with a rendered elevation, photographic examples or detail insets;
- Review of final plans and specials (by others) for structure aesthetic intent and consistency with selected aesthetic alternatives for the bridge.
- Invoicing and administration via WisDOT's CARS platform

Our fee for the proposed services will be completed as an hourly, not to exceed basis with a maximum fee of \$5,554.50. The summary of hours and expenses and computation of fees are attached to this proposal.

We are excited by the chance to work with you on this project. Please contact me at (608) 220-1370 if you have any questions or need additional information.

Sincerely,

Rebecca de Boer, Landscape Architect  
Saiki Design

Enclosure: Fee Proposal

Lake Mendota Drive Bridge Replacement, Village of Shorewood Hills				
Saiki Design, Inc.-Landscape Architects 11-18-2019				
Task Description	Principal	Land. Arch.	Landscape	
	Land. Arch.	Project Mgr.	Designer	
<b>MEETINGS</b>				
Kick-Off or Design Meeting	0	1.5	0	1 Meeting at KL Engineering at 1.5 Hours, Incl. Travel Time
Local Officials Meetings	0	5	0	2 Meetings at 2 Hours Each, Incl. Travel Time
<b>Subtotal Hours</b>	<b>0</b>	<b>6.5</b>	<b>0</b>	
Direct Labor Cost/Hr.	\$35.92	\$28.85	\$23.56	
Subtotal Direct Labor	\$0.00	\$187.53	\$0.00	\$187.53
Subtotal Indirect Costs @ 123.96%	\$0.00	\$232.46	\$0.00	\$232.46
Subtotal Direct and Indirect Cost	\$0.00	\$419.99	\$0.00	\$419.99
Subtotal Fixed Fee				\$33.99
<b>SUBTOTAL MEETINGS</b>				<b>\$453.98</b>
<b>CONCEPTUAL DESIGN AND EXHIBITS</b>				
Structure Aesthetics, Research and Graphic Representation	9	22	24	Development of up to two (2) aesthetic treatment options for the preferred bridge alternative; would only include a single presentation board (one for each alternative) to include a rendered elevation, photos and possibly inset details to convey aesthetics.
Project Management and Administration	4	8	0	
<b>Subtotal Hours</b>	<b>13</b>	<b>30</b>	<b>24</b>	
Direct Labor Cost/Hr.	\$35.92	\$28.85	\$23.56	
Subtotal Direct Labor	\$466.96	\$865.50	\$565.44	\$1,897.90
Subtotal Indirect Costs @ 123.96%	\$578.84	\$1,072.87	\$700.92	\$2,352.63
Subtotal Direct and Indirect Cost	\$1,045.80	\$1,938.37	\$1,266.36	\$4,250.53
Subtotal Fixed Fee				\$343.99
<b>SUBTOTAL CONCEPTUAL DESIGN</b>				<b>\$4,594.52</b>
<b>PRELIMINARY DESIGN</b>				
Review of Structures Plans for Aesthetic Intent	0	4	0	Includes Metadata/Final File Distribution and Close-out
Project Management and Administration	1	2	0	
<b>Subtotal Hours</b>	<b>1</b>	<b>6</b>	<b>0</b>	
Direct Labor Cost/Hr.	\$35.92	\$28.85	\$23.56	
Subtotal Direct Labor	\$35.92	\$173.10	\$0.00	\$209.02
Subtotal Indirect Costs @ 123.96%	\$44.53	\$214.57	\$0.00	\$259.10
Subtotal Direct and Indirect Cost	\$80.45	\$387.67	\$0.00	\$468.12
Subtotal Fixed Fee				\$37.88
<b>SUBTOTAL PRELIMINARY DESIGN</b>				<b>\$506.00</b>
<b>*** TOTAL ***</b>				<b>\$5,554.50</b>