

Department of Public Works – Engineering Division

MEMO

TO: Municipal Services Committee

FROM: Chad M. Weyenberg, Project Engineer

DATE: September 5, 2018

RE: Award Contract for design services for the Pacific Street Bridge, Lawe Street Bridge over the Fox River, Lawe Street Bridge over the Navigation Canal and the Oneida Street Bridge over the Navigation Canal, in an amount not to exceed \$49,160.

The Department of Public Works is recommending to contract with Collins Engineers, Inc. in an amount not to exceed \$49,160 to provide design services for the Pacific Street Bridge, Lawe Street Bridge over the Fox River, Lawe Street Bridge over the Navigation Canal and the Oneida Street Bridge over the Navigation Canal for future maintenance projects. Design work will take place from October 2018 to May 2019 with a tentative construction schedule of 2020.

The Department of Public Works sent out Request for Proposals to five consulting firms and received one qualified proposal from Collins Engineering, Inc.

Collins Engineers, Inc. demonstrated the related experience and personnel necessary to complete the required tasks. Collin Engineers, Inc. currently has the Movable Bridge Inspection Contract and the Biennial Bridge Inspection Contract for the City of Appleton so they are very familiar with the maintenance requirements on the above mentioned bridges. In addition, they also demonstrated a good project understanding, approach and the proposed fees were within the design estimate.

City of Appleton 2018 Bridge Maintenance Proposal



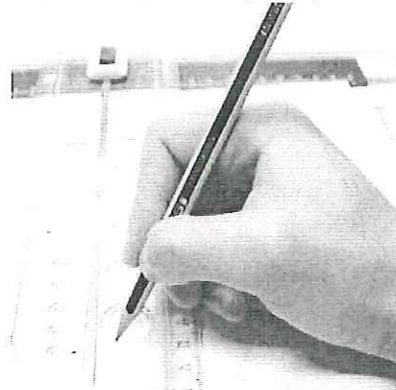
NARRATIVE SUMMARY OF PROPOSAL

Collins Engineers, Inc. (Collins) is an ENR Top 500 Design Firm, and has been providing high quality civil, structural, and waterfront engineering services to United States government agencies, as well as hundreds of public and private sector clients since 1979. Collins has extensive experience in the design and inspection of fixed and moveable bridges, culverts and other structures.

For this project we are proposing a highly skilled team of professionals with experience in project management, bridge design and analysis including moveable bridges, bridge inspection and construction services.

If selected for this project, the Collins Team will provide the City of Appleton (City) with:

- Project management services including meetings with the City and other stakeholders;
- Design and inspection for the maintenance repairs for
 - Bridge B44-107, Pacific Street over Peabody Park including cleaning and painting of bearings and expansion joint replacement;
 - Bridge P44-717, Lawe Street over Fox River including concrete repairs;
 - Bridge P44-719, Lawe Street over Navigation Canal including gate arm replacement, platform design, painting and other work; and
 - P44-724, Olde Oneida Street over Navigation Canals including painting and concrete repair.
- Submittal of Preliminary 30% Plans, including a Design Memorandum that will discuss design considerations, preliminary construction estimates and construction schedule and other required information;
- Submittal of 90% and Final project plans, specifications, and estimate;
- Construction bidding assistance in the way of answering contractor bidding questions;
- Construction related services including construction inspection (if needed), review of project submittals, and final on-site project acceptance.



Collins proposes to complete this project in accordance with the project schedule and within the fee detailed in the proposal that follows.

City of Appleton 2018 Bridge
Maintenance Proposal



Collins Engineers, Inc. Fee Proposal

Collins Engineers, Inc. estimated costs for performing this work is \$49,160. A schedule of costs, including the costs of labor, expenses and other direct costs is included on the pages that follow. Additionally, our costs are also separated into tasks (Exhibit D attached to this proposal) as requested in the RFP. Our cost estimate is based on the following assumptions:

Fee Assumptions

- Fee is based on all tasks defined in the RFP being performed by Collins Engineers.
- Trunnion shafts, bearings will be analyzed to check their existing capacity to withstand the additional dead loads due to the platforms and counterweights. These services are included in the fee's provided.
- Redesign of trunnion shafts, bearings etc. and supporting structure (trunnion columns etc.) is assumed not to be required and is not included in the fee's.
- Rerating of the bridge for the new conditions is not included. Analysis of the girder will be limited to localized analysis for the platform connections.
- No analysis of center lock components due to the addition of platform dead loads will be made.
- For the moveable bridges, no analysis or redesign of bridge mechanical or electrical systems has been assumed.
- Construction Related Services
 - Contractor Submittal Reviews? – Assumes 4 submittals reviewed
 - Final On-Site Acceptance- Assumes 5 visits x 1 hour / (bridge-visit) x 4 bridges

Collins Engineers, Inc. hereby certifies that the person signing this proposal below is entitled to represent the firm.

Steven J. Miller 8/24/2018
Steven J. Miller, P.E. Date
Collins Engineers, Inc.

Summary of Staff Hours and Direct Labor Costs
2018 Bridge Maintenance Design Work
City of Appleton, WI

Classification	Sr. Engr. (Project Manager)		Sr. Engr. (Structural Engineer)		Engineer (Structural Engineer)		Junior Engineer (Designer / CAD)		Administrative		Total Direct Labor		
	Hours	Dollars	Hours	Dollars	Hours	Dollars	Hours	Dollars	Hours	Dollars	Hours	Dollars	
Avg. Hourly Wage	\$230.00	E6	\$140.00	E4	\$115.00	E3	\$85.00	E1	\$60.00	C1			
Task	Activity Code	Hours	Dollars	Hours	Dollars	Hours	Dollars	Hours	Dollars	Hours	Dollars	Hours	Dollars
Project Management		20	\$4,600.00	0	\$0.00	0	\$0.00	0	\$0.00	2	\$120.00	22.0	\$4,720.00
Project Inspection		6	\$1,380.00	0	\$0.00	0	\$0.00	9	\$765.00	0	\$0.00	15	\$2,145.00
Bridge Balancing		2	\$460.00	40	\$5,600.00	10	\$1,150.00	0	\$0.00	0	\$0.00	52	\$7,210.00
Platform Design		2	\$460.00	0	\$0.00	24	\$2,760.00	0	\$0.00	0	\$0.00	26	\$3,220.00
30% Plan Preparation		8	\$1,840.00	0	\$0.00	12	\$1,380.00	56	\$4,760.00	0	\$0.00	76	\$7,980.00
Detailing		12	\$2,760.00	0	\$0.00	16	\$1,840.00	116	\$9,860.00	8	\$480.00	152	\$14,940.00
90% PS&E		8	\$1,840.00	0	\$0.00	4	\$460.00	34	\$2,890.00	4	\$240.00	50	\$5,430.00
Final PS&E		4	\$920.00	0	\$0.00	20	\$2,300.00	0	\$0.00	0	\$0.00	24	\$3,220.00
Construction Phase Services		62	\$14,260.00	40	\$5,600.00	86	\$9,890.00	215	\$18,275.00	14	\$840.00	417	\$48,865.00
TOTAL:													

Direct Expenses by Item
2018 Bridge Maintenance Design Work
City of Appleton, WI

Item	Unit Amount	Unit Type	Rate	Total Expenses
Mileage	500	miles	\$0.590	\$295.00
Hotel	0	days	\$88.000	\$0.00
Per Diem	0	days	\$46.000	\$0.00
TOTAL				\$295.00

Optional Equipment

SHEET TOTAL	\$295.00
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Consultant Contract Total Fee Computation

2018 Bridge Maintenance Design Work
City of Appleton, WI

Project ID	N/A	Total for Contract
Number of Staff Hours	417	417
Total Labor	\$48,865.00	\$48,865.00
Direct Expenses	\$295.00	\$295.00
Subconsultant	\$0.00	\$0.00
Total	\$49,160.00	\$49,160.00