

**Item #4A:**

**Village Infrastructure Projects & Reviews**

**Robert Parker Coffin Road Bridge - Johnson-Lasky Proposal**

Ms. Angela Underwood  
Village President  
3110 RFD  
Long Grove, Illinois 60047

July 24, 2014

Re: Robert Parker Coffin Road Bridge, Village of Long Grove  
Additional Services Proposal, 7.24.14  
JLA #18213

We are pleased to submit a proposal for digital modeling and rendering services for the Robert Parker Coffin Road Bridge. This proposal is based upon the Village of Long Grove's interest in exploring the option of constructing a new bridge in place of Coffin Road Bridge using IDOT standards. Based on these standards, one schematic design of the bridge structure will be produced and dimensional limitations for a bridge cover will be outlined. Options for the architectural and engineering design for custom railings, bridge cover, and lighting may be explored under an additional contract for design services.

**I. Description of the Project Services**

**CAD Drawing Preparation**

Lochner will provide general dimensional requirements for a new 2-lane IDOT standard bridge. JLA will prepare CAD plans using these dimensions and IDOT standard design drawings. This process is estimated to take 2 days for coordination/processing.

**3D Model Creation**

The CAD plans and elevations described above will be used to produce a 3 dimensional model of the IDOT standard bridge. Rendering of the model will be in Sketchup. This model will NOT include adjacent landscaping or photo-realistic finishes. This process is estimated to take 1 week for production.

**Rendering for Presentation Images**

JLA will use the 3D model to produce an image of the new bridge superimposed on the existing landscape for comparison with the existing bridge. This image will include an outline showing dimensional constraints for a new cover, yet to be designed. This process is estimated to take 1 day for coordination and printing.

The deliverables for this service are 15 sets of images comparing the image of the existing bridge and a schematic sketch a new bridge with dimensional outline for a new bridge cover. The 3D model produced by JLA will also be provided to the client in its native digital format.

**II. Architectural/Engineering Team**

The JLA team consists of Walker C. Johnson and Carri Andrews. The consultant team consists of Lochner Engineering.

**III. Client Responsibility**

The Village of Long Grove coordinate one meeting and presentation of the images.

**IV. Time**

We are ready to begin work immediately on notice to proceed. Total time for production will be approximately 11 business days.

**V. Fee**

The total fee for each phase follows:

CAD Drawing Preparation:	\$400
3D Model Creation:	\$900
Rendering for Presentation Image:	<u>\$260</u>
Total:	\$1560

This includes both architectural and engineering services, but does not include reimbursable expenses.

**VI. Reimbursable Expenses**

Reimbursement for customary direct expenses will be separate from the contract fee. They will be billed at 1.10 times the actual cost. These expenses include travel, long distance communication, messenger service, delivery, reproduction, renderings, plotting, photography and processing, postage and other services, as they are required. We expect the following expenses on this project:

Probable Reimbursable Expenses

Printing (15 sets of color images):	\$36
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**VII. Services Excluded**

The following services are not included in the Scope of Services of this agreement. Additional services will be charged at an hourly rate, based on the enclosed rate schedule.

- A. Meetings with ownership or representative beyond those described.
- B. Professional services outside the scope of the outlined work.
- C. Serving as an expert witness or consultant in connection with any public or private hearing, arbitration of legal proceeding.

We greatly appreciate the opportunity to offer our professional services. If this proposed scope of work and the fees are acceptable to you, please sign both copies and return one to us. We will begin work immediately.

Sincerely,



Walker C. Johnson  
Principal

CC: David Lothspeich, Village Manager  
Charles Wachs, Village Trustee  
John Marshall, Village Trustee

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Accepted for the Village of Long Grove

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Title

Date

May 6, 2014

Charlie Wachs  
Village Trustee  
3376 Old McHenry Road  
Long Grove, IL 60047-9623

Re: Coffin Road Bridge

Dear Charlie,

Over the last several weeks, JLA and H.W. Lochner, Inc., have been coordinating with IDOT on possible funding for the treatment of Coffin Road Bridge. IDOT reviewed our Phase 1 *Architectural and Engineering Feasibility Study* and discussed in-house on the subject. The resulting information and recommendations were summarized by Brad Noack of Lochner, Inc.,:

Federal/state funding is reserved for bridges meeting current width/loading/etc. requirements. My experience is that one can ask for FHWA waivers for somewhat lesser requirements with good reason, but in my opinion, this is not possible for the Coffin Rd. Bridge given the severe load restriction and one lane (rather than two). Further, IDOT says there is no federal or state funding specifically for historic bridges, so even if the bridge is ultimately listed on the registry, no preference or extenuating waiver would be given. Based on the above, any repair project funding would be non-participatory local funds, expected to be somewhere around \$350,000 (my order of magnitude estimate).

IDOT has pointed out that federal/state funding is possible at this location, but only in the event that the bridge is replaced with one that meets current requirements for width/loading/etc. Procurement of this funding would be a competitive process and is by no means a guarantee, but is very possible. The federal/state portion would be 80% of the project cost of design and construction with the remaining 20% paid locally. I would expect 20% of the replacement option to be somewhere around \$150,000 (VERY preliminary order of magnitude estimate).

Considering the findings in the Phase 1 *Architectural and Engineering Feasibility Study* and our discussions with IDOT, we see two possible directions for this bridge:

1. Full restoration with removal of wood cover to new location (RECOMMENDED)
  - Restoration of Bridge in place to current load restrictions following preservation standards
  - Relocation of wood cover to nearby property to continue to act as a centerpiece for the Village
2. Removal to new location and replacement (ALTERNATE)
  - Removal of original structure to new adjacent/nearby location as footbridge

- New bridge of simple yet compliant design at site – meeting safety and updated loading standards – with wooden (or wood substitute) cover based on 1970's design.

In order to complete the Preliminary Repair Plan for this project, H.W. Lochner Inc. and JLA request your decision on which treatment you would like to pursue. Once the Repair Plan is complete for the chosen direction, work may move directly into the design phase (under a new contract).

If you have any questions, please do not hesitate to call.

Thank you,



Carri Andrews  
Project Architect, Johnson Lasky Architects