

June 24, 2021

Louis A. Casolo, Jr., P.E., City Engineer
City of Stamford
Engineering Bureau
888 Washington Boulevard, 7th Floor
Stamford, CT 06901

Re: Proposal to Provide Engineering Services (Revised)
In-Depth Inspection and Evaluation of Structure No. 02212
Main Street over Rippowam River (Pedestrian Bridge)

Dear Mr. Casolo,

Greenman-Pedersen, Inc. (GPI) is pleased to submit this revised proposal to provide engineering services for the in-depth inspection and evaluation of the above-referenced bridge.

The engineering services to be performed as part of this Contract are as follows:

1. Conduct a hands-on, in-depth condition inspection and evaluation of the bridge and its approaches. All visible portions of the deck, superstructure, and substructure will be assessed for condition; and all substructure units will be probed for evidence of scour. Specifically, special attention will be paid to the significant deterioration of the floorbeams, the failing West Abutment, and the failing Main Pier. Digital photos will be taken during the inspection operations, including general photos of the topside and underside components and any noteworthy defects or deficiencies. The inspection will also include an assessment of the pedestrian protection features along the center of the bridge, and acquisition of streambed profile measurements as necessary pending the presence of scour and/or substructure undermining.
2. Prepare and submit one (1) draft hardcopy and electronic (Adobe PDF) copy of a letter format Bridge Inspection Report for the City's review, to include: a brief history of the bridge, its various inspections, and associated actions; a summary of our current in-depth inspection findings; a prioritized list of recommended repairs with estimated costs; the photos as described in Item 1; and any sketches developed to demonstrate the observed deficiencies, as needed (prepared in digital format). The letter report will also be verified and signed by a Professional Engineer licensed in the State of Connecticut.
3. Address any review comments and prepare and submit one (1) final hardcopy and electronic (Adobe PDF) of the letter format Bridge Inspection Report. Also included will be written resolutions to all Draft Report review comments.

The following assumptions have been made during development of this proposal:

1. The depth of water beneath the structure is such that a diver will not be required to conduct the underwater inspection of the in-water substructure units. The assessment of those components will be performed through visual and probing methods, in accordance with CTDOT's *Bridge Inspection Manual*.
2. A Load Rating analysis will not be performed as part of these services. Since the bridge is not open for vehicular use and does not carry heavy truck loads, it is anticipated that such an analysis is not required at this time. However, if our inspection discovers advanced deterioration that may compromise the structural integrity of the bridge for pedestrian usage, GPI will advise the City of Stamford accordingly and will provide a separate scope of services and cost estimate to complete an analysis for determining the actual effects. No Load Rating evaluation work will be undertaken without the written consent of the City of Stamford.

GPI will conduct the field inspection on or before July 30, 2021 and will submit the Draft Bridge Inspection Report to the City of Stamford on or before August 27, 2021. The Final Inspection Report will be submitted within two (2) weeks of receipt of the Draft Report review comments. All work will be performed from GPI's Westport, CT office and will be completed in accordance with the current CTDOT and Federal (FHWA) standards and requirements.

Deliverables will include:

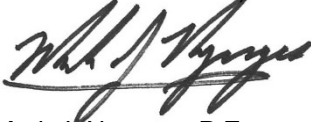
1. One (1) hard copy of the Draft Bridge Inspection Report (letter format);
2. One (1) hard copy of the Final Bridge Inspection Report (letter format), including a separate comment resolution set of the Draft Report review comments;
3. One (1) electronic copy of the Final Bridge Inspection Report (letter format) in read-only (Adobe PDF) and editable (Microsoft Word) formats; and
4. All electronic working files related to the defect / deficiency sketches, if developed.

GPI is proposing a Lump Sum fee of \$5,400.00 to complete the services as noted above.

If you have any questions or need additional information, please do not hesitate to contact the undersigned directly at (203) 604-6731.

We appreciate the opportunity and look forward to working with you again.

Sincerely,
Greenman-Pedersen, Inc.



Mark J. Nyerges, P.E.
Manager, Bridge Inspection and Bridge Management

Copy: Kevin Healy, P.E., Vice President / Director of Bridges and Structures, GPI
Gregory P. Johnson, P.E., Executive Vice President / Branch Manager, GPI

IN WITNESS WHEREOF, the undersigned have hereunto caused the presents to be executed by their proper corporate officers the day and year written,

ATTEST:

(date)

City of Stamford, CT

(client)

BY: _____
(signature)

(date)

Greenman-Pedersen, Inc.

BY: _____
(signature)

By submitting this proposal with electronic signatures, the City of Stamford, CT (Stamford) acknowledges that Greenman-Pedersen, Inc. (GPI) and Stamford will accept and submit electronic signatures in connection with the submission of this proposal. Both parties acknowledge the right to opt-out of this arrangement and can request hard copies of the proposal to sign and review upon thirty (30) days written notice to the other party. Stamford agrees that GPI reserves the right to refuse to conduct other transactions by means of electronic signatures.

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