



CITY OF WASHINGTON, ILLINOIS
Public Works Committee Agenda Communication

Meeting Date: 07-06-2020

Prepared By: Dennis Carr – City Engineer

Agenda Item: North Street Culvert Replacement Engineering

Explanation: The original Safe Routes to Schools Grant for the N. Main Street path extension included sidewalk along the north side of North Street tying in to the existing sidewalk just east of Brief Street. This sidewalk extension along North Street was removed from the grant as there was a failure in the North Street culvert just east of Brief Street. There was a hole in the top of the culvert and you could actually see down through the roadway and into the water below.

City Staff has budgeted for the engineering work to develop plans to replace this culvert. The engineering work will include surveying, soil borings, Army Corp permitting, a hydraulic study to determine if the culvert is sized correctly, bid document creation, and bid assistance. The culvert will be wide enough to accommodate sidewalks as well.

Fiscal Impact: The proposal shall not exceed \$41,350. This project was initially budgeted for \$45,000 out of account numbers:

100-03-800-4100
218-00-800-5100

Recommendation/

Committee Discussion Summary: Staff recommends approval of the proposal by Hutchinson Engineering, Inc to do the Phase I/II Engineering for an amount to not exceed \$41,350.

Action Requested: Staff requests that the PW Committee place the North Street Culvert Replacement Engineering proposal by Hutchinson Engineering, Inc. on the July 6th City Council Meeting for approval.

Hutchison Engineering, Inc.

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June 26, 2020

Mr. Dennis Carr, P.E.
City Engineer
City of Washington
301 Walnut St.
Washington, IL 61571

Re: Preliminary Engineering – North St. Culvert Replacement

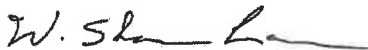
Dear Mr. Carr:

As requested, we are pleased to submit this Preliminary Engineering Services Agreement for the North St. Culvert Replacement project.

If you have any questions, please contact me at (309) 368-0689 or at slarson@hutchisoneng.com. We look forward to working with you on this project and continuing our relationship with the City of Washington.

Very truly yours,

Hutchison Engineering Inc.



W. Shane Larson, P.E.

Vice President

Attach.

Municipality City of Washington	L O C A L A G E N C Y	Preliminary Engineering Services Agreement For Local Funds	C O N S U L T A N T	Name Hutchison Engineering
Township N/A				Address 2015 W. Glen Ave., Suite 210
County Tazewell				City Peoria
Section N/A				State IL

THIS AGREEMENT is made and entered into this _____ day of July, 2020 between the above Local Agency (LA) and Consultant (ENGINEER) and covers certain professional engineering services in connection with the improvement of the above SECTION. Local Funds will be used entirely to finance ENGINEERING services as described under AGREEMENT PROVISIONS.

Section Description

Name North St. Box Culvert Replacement

Route North St Length 0.02 Mi. 100.00 FT (Structure No. N/A)

Termini 50' either side of box culvert

Description:

The project consists of removing the existing box culvert, placing new pre-cast box culvert with cast-in-place wingwalls, street restoration, and other collateral work.

Agreement Provisions

The Engineer Agrees,

1. To perform or be responsible for the performance of the following engineering services for the LA, in connection with the proposed improvements herein before described, and checked below:
 - a. ☒ Make such detailed surveys as are necessary for the preparation of detailed roadway plans
 - b. ☒ Make stream and flood plain hydraulic surveys and gather high water data, and flood histories for the preparation of detailed bridge plans.
 - c. ☒ Make or cause to be made such soil surveys or subsurface investigations including borings and soil profiles and analyses thereof as may be required to furnish sufficient data for the design of the proposed improvement. Such investigations are to be made in accordance with the current requirements of IDOT.
 - d. ☐ Make or cause to be made such traffic studies and counts and special intersection studies as may be required to furnish sufficient data for the design of the proposed improvement.
 - e. ☒ Prepare Army Corps of Engineers Permit, Department of Natural Resources-Office of Water Resources Permit, Bridge waterway sketch, and/or Channel Change sketch, Utility plan and locations, and Railroad Crossing work agreements.
 - f. ☒ Prepare Preliminary Bridge design and Hydraulic Report, (including economic analysis of bridge or culvert types) and high water effects on roadway overflows and bridge approaches.
 - g. ☒ Make complete general and detailed plans, special provisions, proposals and estimates of cost and furnish the LA with copies of the plans, special provisions, proposals and estimates. Copies of any or all documents, if required, shall be furnished to the LA by the ENGINEER at his actual cost for reproduction.
 - h. ☐ Furnish the LA with survey and drafts in quadruplicate of all necessary right-of-way dedications, construction easement and borrow pit and channel change agreements including prints of the corresponding plats and staking as required.

- i. ☒ Distribution of bid documents and assist the LA in the tabulation and interpretation of the contractors' proposals.
 - j. ☒ Prepare the necessary environmental documents in accordance with the procedures adopted by the DEPARTMENT's Bureau of Local Roads & Streets.
 - k. ☐ Prepare the Project Development Report when required by the DEPARTMENT.
- (2) That all reports, plans, plats and special provisions to be furnished by the ENGINEER pursuant to the AGREEMENT, will be in accordance with current standard specifications and policies of the DEPARTMENT (when required). It is being understood that all such reports, plats, plans and drafts shall, before being finally accepted, be subject to approval by the LA and the DEPARTMENT (when required).
- (3) To attend conferences at any reasonable time when requested to do so by representatives of the LA or the Department.
- (4) In the event plans or surveys are found to be in error during construction of the SECTION and revisions of the plans or survey corrections are necessary, the ENGINEER agrees that he will perform such work without expense to the LA, even though final payment has been received by him. He shall give immediate attention to these changes so there will be a minimum delay to the Contractor.
- (5) That basic survey notes and sketches, charts, computations and other data prepared or obtained by the Engineer pursuant to this AGREEMENT will be made available, upon request, to the LA or the DEPARTMENT without cost and without restriction or limitations as to their use.
- (6) That all plans and other documents furnished by the ENGINEER pursuant to this AGREEMENT will be endorsed by him and will show his professional seal where such is required by law.
- (7) If the structure requires a structural load rating summary, the load rating will be required to be completed by the pre-cast concrete box culvert fabricator. This will be included in the bid documents.

The LA Agrees,

1. To pay the ENGINEER as compensation for all services performed as stipulated in paragraphs 1a through 1k, 2, 3, 4, 5 and 6.
 2. To pay for services stipulated in the ENGINEER AGREES at actual cost of performing such work plus 125 percent to cover profit, overhead and readiness to serve – "actual cost being defined as material cost plus, payrolls, insurance, social security and retirement deductions. CADD time, Robotic Total Station, GPS, and Nuclear Density Gauge will be billed at the Engineer's current rate. Traveling and other out-of-pocket expenses will be reimbursed to the ENGINEER at his actual cost.

"Cost to Engineer" to be verified by furnishing the LA copies of invoices from the party doing the work. The classifications of the employees used in the work should be consistent with the employee classifications for the services performed. If the personnel of the firm, including the Principal Engineer, perform routine services that should normally be performed by lesser-salaried personnel, the wage rate billed for such services shall be commensurate with the work performed.
- Payment for all engineering services described under ENGINEER AGREES shall not exceed \$41,350.00 unless approved in writing by the LA.**
3. That payments due the ENGINEER for services rendered in accordance with this AGREEMENT will be made as soon as practicable after the services have been performed.
 4. That, should the improvement be abandoned at any time after the ENGINEER has performed any part of the services provided for in ENGINEER AGREES and prior to the completion of such services, the LA shall reimburse the ENGINEER for his actual costs plus 125 percent incurred up to the time he is notified in writing of such abandonment – "actual cost" being defined as in paragraph 2 of THE LA AGREES.
 5. That, should the LA require changes in any of the detailed plans, specifications or estimates except for those required pursuant to paragraph 4 of THE ENGINEER AGREES, after they have been approved by the Department/LA, the LA

agrees to pay the ENGINEER for such changes on the basis of actual cost plus 125 percent to cover profit, overhead, and readiness to serve - "actual cost" being defined as in paragraph 2 of THE LA AGREES. It is understood that "changes" as used in this paragraph shall in no way relieve the ENGINEER of his responsibility to prepare a complete and adequate set of plans and specifications.

It is Mutually Agreed,

1. That any difference between the ENGINEER and the LA concerning their interpretation of the provisions of this Agreement shall be referred to a committee of disinterested parties consisting of one member appointed by the ENGINEER, one member appointed by the LA and a third member appointed by the two other members for disposition and that the committee's decision shall be final.
2. This AGREEMENT may be terminated by the LA upon giving notice in writing to the ENGINEER at his last known post office address. Upon such termination, the ENGINEER shall cause to be delivered to the LA all surveys, permits, agreements, preliminary bridge design & hydraulic report, drawings, specifications, partial and completed estimates and data, if any from traffic studies and soil survey and subsurface investigations with the understanding that all such material becomes the property of the LA. The ENGINEER shall be paid for any services completed and any services partially completed in accordance with Section 4 of THE LA AGREES.
3. That the ENGINEER warrants that he/she has not employed or retained any company or person, other than a bona fide employee working solely for the ENGINEER, to solicit or secure this contract, and that he/she has not paid or agreed to pay any company or person, other than a bona fide employee working solely for the ENGINEER, any fee, commission, percentage, brokerage fee, gifts or any other consideration, contingent upon or resulting from the award or making of this contract. For Breach or violation of this warranty the LA shall have the right to annul this contract without liability.

IN WITNESS WHEREOF, the parties have caused the AGREEMENT to be executed in duplicate counterparts, each of which shall be considered as an original by their duly authorized officers.

Executed by the LA:

City of Washington of the
(Municipality/Township/County)

ATTEST:

State of Illinois, acting by and through its

By _____ City Council

Clerk

By _____

(Seal)

Title _____

Executed by the ENGINEER:

Hutchison Engineering, Inc.

2015 W. Glen Ave., Suite 210

Peoria, IL 61614

By: W. Shan Lan

By: Angay Mount

Title: Vice President

Title: President