



Legislation Details (With Text)

File #: 2021-0793 **Version:** 0 **Name:** John Humphrey Drive at 143rd Street Intersection, Phase II - Final Design Engineering Services, Consultant Recommendation

Type: MOTION **Status:** PASSED

File created: 10/22/2021 **In control:** Board of Trustees

On agenda: 11/1/2021 **Final action:** 11/1/2021

Title: John Humphrey Drive at 143rd Street Intersection, Phase II - Final Design Engineering Services, Consultant Recommendation

Code sections:

Attachments: 1. Patrick Engineering Scope and Fees, 2. AECOM Proposal, 3. BLA Proposal, 4. Bowman Proposal, 5. CIORBA Proposal, 6. Civiltech Proposal, 7. Patrick Engineering Proposal, 8. Robinson Engineering Proposal, 9. Strand Associates Proposal, 10. TranSystems Proposal, 11. V3 Companies Proposal, 12. EPS Scoring Sheet, 13. Signed Contract - Patrick Engineering, 14. Patrick Engineering - Addendum A JH 143rd St Intersection, Phase II Design, 15. Patrick Engineering - CO#1 to JH 143rd St Intersection Phase II Design, 16. Patrick Engineering - Addendum B to John Humphrey Dr @ 143rd Street Intersection

Date	Ver.	Action By	Action	Result
11/1/2021	0	Board of Trustees		
10/22/2021	0	Engineering Programs & Services	INTRODUCED TO BOARD	

Title/Name/Summary

John Humphrey Drive at 143rd Street Intersection, Phase II - Final Design Engineering Services, Consultant Recommendation

History

A Request for Qualifications (RFQ) was issued by the Village to consulting engineering firms for Phase II - Final Design Engineering Services for the John Humphrey Drive at 143rd Street Intersection. The RFQ was released on August 3, 2021, and responses were due on August 24, 2021. The project includes significant intersection improvements, including travel lane additions at the John Humphrey Drive at 143rd Street intersection and removal and replacement of the existing eastbound bridge. This bridge has been settling over the last several years.

The Phase I - Preliminary Design Engineering Services were completed by Patrick Engineering of Lisle, Illinois and approved by the Illinois Department of Transportation (IDOT) in the second quarter of 2021. Since Federal funds will be used for Phase II - Final Design Engineering Services, the Quality Based Selection (QBS) process, as previously approved by IDOT and the Village Board of Trustees, was used to complete the RFQ process. The QBS process requires that the consultants be selected based on qualifications only. The QBS process prohibits the Village from collecting professional engineering fees until all of the firms who responded to the RFQ are ranked. The professional fees and scope of services can be negotiated only with the top-ranked firm. If the negotiations are not successful with the top-ranked firm, the negotiations can be initiated with the second-ranked firm, and so on until negotiations are successfully completed.

The following ten (10) firms responded to RFQ:

1. AECOM Technical Services, Inc.
2. BLA, Inc.
3. Bowman Consulting Group, Ltd.
4. Ciorba Group, Inc.
5. Civiltech Engineering, Inc.
6. Patrick Engineering, Inc.
7. Robinson Engineering, Ltd.
8. Strand Associates, Inc.
9. Transystems Corporation
10. V3 Companies, Ltd.

Staff ranked the RFQ responses based on the following criteria:

1. Project Understanding - 30%
2. Similar Project Experience - 20%
3. Project Team - 15%
4. Project Development Approach - 15%
5. IDOT Prequalification - 10%
6. Overall Completeness of Submittal - 5%
7. Selection Committee Discretion - 5%

The following are ranks/scores for each firm:

<u>Rank</u>	<u>Firm</u>	<u>Score</u>
1	Patrick Engineering,	94.3
2	AECOM	92.2
3	Civil Tech Engineering	91.2
4	Transystems Corporation	89.8
5	Strand Associates, Inc.	88.7
6	Ciorba Group, Inc.	88.3
7	V3 Companies, Ltd.	84.3
8	Bowman Consulting Group, Ltd.	83.2
9	Robinson Engineering	82.0
10	BLA, Inc.	80.0

Based on the above rankings, staff negotiated the scope of services and professional fees with Patrick Engineering, Inc. Staff successfully completed negotiations and recommends that Patrick Engineering, Inc. as the consultant for Phase II - Final Design Engineering Services.

The following are some of the important aspects of the scope of services that staff negotiated with Patrick Engineering:

To improve chances of securing state/federal funds/grants for the project, Patrick Engineering will deliver two (2) separate design documents for the intersection and bridge replacement. This will allow the Village to apply for funds/grants for smaller dollar values. This is the base scope of services.

Patrick Engineering will also deliver one (1) set of design documents for the entire project, including the intersection improvements and bridge replacement. This will be the case if the Village is able to secure funding for the entire project. This deliverable will reduce the design fees by \$25,000.00.

Patrick Engineering will evaluate several cost reduction strategies to reduce the overall construction costs of the project. The reduced project costs will assist in securing construction funding for the project.

Patrick Engineering will apply for state/federal funds/grants for two (2) years after the project is submitted to IDOT for approval. Grant applications will be submitted during the design phase as well.

Patrick Engineering will provide support for Phase III - Construction Engineering Services when the project will go into construction.

The Village has included \$350,000.00 for Right-of-Way (ROW) acquisitions. Completion of ROW acquisitions generally improves chances of securing construction funding as the project is then considered "shovel ready."

Financial Impact

In the FY2022 Capital Budget, the Engineering Department has requested sufficient funds to pay for the design and ROW acquisitions costs. The Village has been awarded \$640,000.00 in Surface Transportation Program (STP) grants, which will be used to pay for project expenses. Additionally, the \$350,000.00 will be needed to acquire the needed Right-of-Way (ROW) for the Project. The remaining balance, including ROW costs, estimated at \$585,000.00 will be paid by the Village.

Recommended Action/Motion

I move to approve awarding John Humphrey Drive at 143rd Street Intersection, Phase II - Final Design Engineering Services contract to Patrick Engineering, Inc. of Lisle, Illinois in an amount not to exceed \$875,000.00;

And,

I move to approve allocating \$350,000.00 for ROW Acquisitions for the John Humphrey Drive at 143rd Street Intersection project;

And,

I move to authorize the Village Manager to execute all related contracts, subject to Village Attorney review.