

RESOLUTION NO. 2019- 208

A RESOLUTION AUTHORIZING AN AGREEMENT FOR PROFESSIONAL SERVICES WITH PENNONI ASSOCIATES INC., VINELAND, NJ, FOR 3D LASER SCAN SURVEY OF CITY HALL BLOCK, IN AN AMOUNT NOT TO EXCEED \$37,900.00.

WHEREAS, there exists a need for professional services for 3D Laser Scan Survey of the City Hall Block; and

WHEREAS, the City of Vineland has a need to acquire such professional services as a Non-Fair and Open Contract pursuant to N.J.S.A. 19:44A-20.5; and

WHEREAS, the purchasing agent has determined and certified in writing that the value of said services will exceed \$17,500.00; and

WHEREAS, Pennoni Associates Inc., Vineland, NJ, has submitted a proposal indicating they will provide the professional services in an amount not to exceed \$37,900.00; and

WHEREAS, Pennoni Associates Inc. has completed and submitted a Business Entity Disclosure Certification for Non-Fair and Open Contract which certifies that Pennoni Associates Inc. has not made any reportable contributions to a political or candidate committee in the City of Vineland in the previous one year and that the contract will prohibit Pennoni Associates Inc. from making any reportable contributions through the term of the contract to a political or candidate committee in the City of Vineland; and

WHEREAS, the availability of funds for said Professional Services Contract to be awarded herein have been certified by the City Comptroller; and

WHEREAS, the Local Public Contract Law (N.J.S.A. 40A:11-1, et seq) requires that the Resolution authorizing the award of contract for Professional Services without competitive bidding and the contract itself must be available for public inspection.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Vineland as follows:

1. That the Mayor and Clerk are hereby authorized and directed to execute a Non-Fair and Open Agreement pursuant to N.J.S.A. 19:44A-20.5 with Pennoni Associates Inc., Vineland, NJ, for Professional Services 3D Laser Scan Survey of the City Hall Block in an amount not to exceed \$37,900.00.
2. That this Agreement is awarded without competitive bidding as a Professional Services in accordance with N.J.S.A. 40A:11-5(1)(a) of the Local Public Contracts Law because said services to be rendered or performed require knowledge of an advanced type in a field of learning acquired by a prolonged formal course of specialized instruction distinguished from general academic instruction or apprenticeship and training.
3. That the Business Disclosure Entity Certification, the Political Contribution Disclosure Form and the Determination of Value be placed on file with the Resolution.
4. That a Notice of this action shall be printed once in the Daily Journal.

Adopted:

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President of Council

ATTEST:

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City Clerk

**REQUEST FOR RESOLUTION FOR CONTRACT AWARDS  
UNDER 40A:11-5 EXCEPTIONS  
(PROFESSIONAL SERVICES, EUS, SOFTWARE MAINTENANCE, ETC)**

4/26/19  
(DATE)

1. Service (detailed description): 3D LASER SCAN OF CITY HALL BLOCK

2. Amount to be Awarded: \$ 37,900

- Encumber Total Award
- Encumber by Supplemental Release

3. Amount Budgeted: \$ \_\_\_\_\_

4. Budgeted: By Ordinance No. 2019-25  
Or Grant: Title & Year \_\_\_\_\_

5. \*\*Account Number to be Charged: C-04-00-000-1925-78005

6. Contract Period: \_\_\_\_\_

7. Date To Be Awarded: \_\_\_\_\_

8. Recommended Vendor and Address: Pennon

9. Justification for Vendor Recommendation:(attach additional information for Council review)  
See attached document

- Non-Fair & Open (Pay-to-Play documents required)
- Fair & Open: How was RFP advertised? \_\_\_\_\_

10. Evaluation Performed by: David J. Maillet, PE

11. Approved by: Robert E Dickenson, Jr.

12. Attachments:  
 Awarding Proposal  
 Other: \_\_\_\_\_

- Send copies to:  
**Purchasing Division  
Business Administration**

**\*\* If more than one account #, provide break down**

April 26, 2019

MEMORANDUM TO: Bob Dickenson, Business Administrator

RE: 3D Laser Scan Survey of City Hall Block  
Recommendation of Award  
City Eng. File No. 19-008



Five (5) proposals were received for the above referenced project. The table below indicates from whom the proposals were received and the proposed cost.

CONSULTING FIRM	COST
Imperia Engineering Partners	\$27,500.00
Pennoni Associates	\$37,900.00
Van Note – Harvey Associates	\$39,900.00
Fralinger Engineering	\$54,350.00
ARH Associates	\$74,150.00

All of the proposals appear to evidence understanding of the project scope and deliverables.

While Imperia is the lowest cost proposer, Imperia intends to subcontract the work to Dewberry. It is not the general practice of this office to award contracts where the majority of the work is not performed by the prime contractor.

The remaining proposers are all competent and able to provide the services requested.

Given the narrow gap in costs, I recommend awarding a contract to either Pennoni Associates or Van Note-Harvey Associates. Pennoni has performed adequately for our office on a number of design projects in the past decade. Van Note-Harvey is a well-respected consultant firm in the region that should be able to complete the project on budget and on time.

Should you have any questions and/or comments, please feel free to contact me at extension 4098.

Sincerely,



David J. Maillet, PE  
Acting City Engineer

*P.S. Enclosed are all 5 proposals and an award form for your use. -DJM*



April 15, 2019

Proposal 19-01947

City of Vineland  
640 East Wood Street  
Vineland, NJ 08362-1508  
Attn: Mr. Miguel A. Mercado, QPA

**RE: Proposal for 3D Laser Scan of City Hall Block – COV RFQ #2018-37**

Pennoni is pleased to submit this proposal to the City of Vineland for Professional Land Surveying and High Definition Laser Scanning (HDLS) Services to aid the City for design purposes for the City Hall Complex area. Pennoni has several years of experience in providing similar HDLS and land surveying services for other municipalities throughout New Jersey and have achieved an excellent reputation we have garnered with the engineering, law enforcement and legal professionals we have worked with.

Pennoni takes great pride in our ability to provide our services in a timely and effective manner. Our surveying staff maintains annual educational training to make sure we are on the forefront of the latest engineering and surveying technology and the changing laws and regulations that govern our profession. We place a major emphasis on **safety** practices both in the field and in the office. As your Professional Land Surveyor Consultant, our staff of professionals will adhere to the various County and State codes and standards.

This project will be managed out of our Haddon Heights office. Dennis S. DiBlasio, PLS, will serve as the senior contact person/Principal-in-Charge for this contract. As your teaming partner, we understand the importance of meeting your expected schedules and deliverables. We have the staff and technical capabilities to meet current and ever-changing project requirements.


Pennoni is well suited to provide this professional service for the following reasons:

- We use and own current leading-edge technology such as survey grade GPS equipment, Robotic Total Survey Stations, High Definition Laser Scanners, UAV Drone technology and have an in-house Photogrammetry group.
- Pennoni has been a leader in HDLS technology for over 15 years and has provided services with excellent results on numerous projects of a similar nature.
- We understand the importance for precise, accurate and timely collection of field evidence and their spatial relationship to boundary lines and public rights of ways.
- Pennoni's surveying staff maintains annual educational training to insure we are on the forefront of the latest surveying technology and the ever-changing laws and regulations that govern our profession. We place a major emphasis on safety practices both in the field and in the office. Our field staff have received 40 Hour Health and Safety Training and 30-hour construction industry training as approved by OSHA and we are TWIC certified.

We thank you for the opportunity to submit this proposal.

Respectfully submitted,

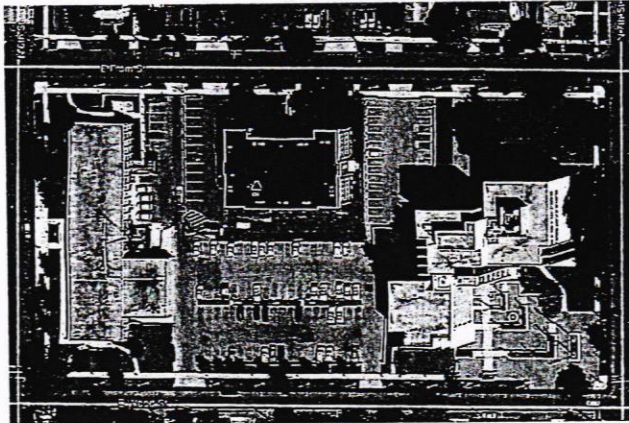
**PENNONI ASSOCIATES INC.**



Dennis S. DiBlasio, PLS, PP  
Vice President

April 15, 2019

## SCOPE OF SERVICES



3D LASER SCAN OF CITY HALL BLOCK

### Boundary Survey

We will prepare a Survey of the property in accordance with the N.J.A.C. 13:40-5.1, "Preparation of Land Surveys" which will include establishing the property boundary and the setting or recovery of the property corners in accordance with the aforesaid act. Site improvements such as the location of buildings, walks, drives, street features, visible utilities and fence-lines and other significant land features will be included. This information will be shown on a final plan of survey which will be signed and sealed by the land Surveyor in charge.

### Topographic Survey

A Topographic survey will be performed within the area outlined on our attached aerial photo which encompasses the entire block including the adjacent road centerlines. Our vertical datum will be based on the North American Vertical Datum (NAVD 88) and tied into an Acceptable Published Bench Mark. Horizontal locations will be relative to the New Jersey State Plane Coordinate System, NAD 83. (NJSPCS, NAD83)  
Spot elevations will be taken along roads, gutters, curbs, first floor elevations, and other significant land features. Spot elevations will be taken to the nearest hundredth of a foot (0.01') on hard surfaces and to the nearest one-tenth of a foot (0.1') on grass or earth surfaces. Invert elevations for storm and sanitary sewers on or along the subject property will be obtained where accessible.

Individual trees will be located that have a breast height diameter of 6" or more and their associated drip ring diameter will be noted.

This Topographic Survey will be prepared in accordance with the National; Map Accuracy Standards at a scale of 1" = 30', with 1' Contour Intervals.

### High Definition Laser Scanning (HDLS) Survey & 3D Modeling

1. Pennoni will provide High Definition Laser Scanning (HDLS) services to capture the site improvements, architectural features, and visible structural members and to collect imagery and point cloud data for the lobby areas at the ground floor and second floor of City Hall. The HDLS survey will be completed utilizing our Leica tripod mounted High Definition Laser Scanner with capabilities of measuring millions of points per second in a 3-dimensional format. The tripod mounted HDLS data will be supplemented with the use of a Point3D handheld self-contained 3D scanner, as the site conditions dictate. Once the HDLS survey is completed, Pennoni will process the HDLS scans and deliver a registered point cloud for importing into Autodesk Revit or Autodesk Civil 3D, depending on the deliverable option chosen.
2. Pennoni will create a 3D Building Information Model, (BIM), of the lobby areas at the ground floor and second floor of City Hall from the HDLS survey at LOD 200 where the elements are graphically represented as a generic system, object, or assembly with approximate quantities, size, shape, location, and orientation. Non-graphic information may also be attached to the Model Element. The model will be provided in Revit 2018 format, unless another version is specified by the client. To expedite this process, the client shall provide any electronic documentation of existing conditions, such as drawing files or construction documents.

The model will focus on the building interior layout as outlined below;

- Interior Spaces - modeled with bounding elements such as wall or columns that are at a minimum of LOD200. Perimeter of spaces are calculated with respect to the bounding elements. In the case of areas where there are work space type partitions, the area will be identified with an outline on the floor surface. No furniture or workspace partitions will be modeled unless defined as a permeant partition by the client.
- Stairs/Ramps - Generic model element with simplified treads and risers. Nominal overall unit scope will include plan dimensions (length and width) and vertical dimensions (levels, and landings) with simplified railings without articulation of material or railing structure.
- Interior Partitions- generic wall objects separated by type of material; approximate overall wall thickness represented by a single assembly.
- Interior windows- Windows will be modeled as a simple monolithic component represented with a simplified frame and glazing.
- Interior Doors- units will be modeled as a simple monolithic component with a simple frame and panel.
- Ceiling systems- generic assembly to be modeled as a simple monolithic component indicating ceiling material type and overall scope.
- Plumbing fixtures (Sinks, Toilets, mop sinks) - will be modeled using a generic representation for said fixture and will be placed with an approximate location on a generic surface (countertop, wall or floor) bathroom partitions will not be modeled unless the partitions are framed walls.
- Lighting fixtures- generic models with an approximate size, shape and location. No decorative fixtures/ wall sconces will be modeled.

MEP systems will not be included under this contract.

#### **Schedule**

Pennoni will coordinate with the City of Vineland to establish a mutually agreeable start date for the Survey. The delivery of the final plans and AutoCAD deliverables will be within 4 weeks therefrom.

#### **Fee**

See attached fee schedule

#### **Billing and Payment**

Our invoices will be prepared and presented for payment on a monthly basis. Invoices will be due in full upon receipt (see also the General Terms and Conditions). The Client acknowledges that the methods of Billing and Payment have been discussed in detail; that the terms agreed upon can only be changed by a written addendum agreed upon by both parties; and work may be stopped until payment is made in accordance with the agreement. See item three of General Terms and Conditions.

#### **Terms and Conditions**

1. **General** - Pennoni Associates Inc. General Terms and Conditions (Form No. LE01 Revised 12/2015) are attached hereto and are considered as part of this proposal. The client indicates by the execution of this proposal that the General Terms and Conditions have been reviewed and understood.
2. **Special**
  - A. Client will be responsible for providing safe access to the site, facilities and utilities and notifying surveyor of potential hazard areas where special hazards may exist.

- B. Other survey standards, reports, declarations can be provided for at additional costs but are not included in this proposal.
- C. High Definition Laser Scanning relies on "Line of Sight" principles. In general, features and surfaces that are visible from the instrument will be measured and located. Spaces that are long and narrow, such as gaps between equipment and utility shafts may not allow for the necessary line of site of the HDLS Equipment and portions of those areas may not be measured. Pennoni will make a reasonable effort to locate the equipment, surfaces and other features within the survey limits however, the Client understands these limitations may impact the final product.

We appreciate the opportunity to provide you with a proposal for professional survey services and anticipate working with you soon.

Sincerely,

**PENNONI ASSOCIATES INC.**



Dennis S. DiBlasio, PLS  
Vice President

Attachments: Pennoni Associates Inc. General Terms and Conditions

# FEE SCHEDULE

## PROPOSAL

### 3D LASER SCAN SURVEY OF CITY HALL BLOCK

To the Purchasing Agent of the City of Vineland:

The undersigned bidder declares he/she has read the Request for Quotations and that he/she has determined the conditions affecting the project, and agrees, if this proposal is accepted and contract awarded, to furnish and deliver the services listed above:

TOTAL AMOUNT \$ 37,900.00

COMPANY Pennoni Associates Inc.

ADDRESS 515 Grove Street, Suite 1B, Haddon Heights NJ 08035

TELEPHONE 856-656-2865 FAX 856-547-9174

BY   
(Signature)

NAME Dennis S. DiBlasio, PLS  
(Please print or type)

DATE 04/11/2019

FEDERAL ID NUMBER 23-1683429

EMAIL ADDRESS ddiblasio@pennoni.com