



State of New Jersey

DEPARTMENT OF THE TREASURY
DIVISION OF PROPERTY MANAGEMENT & CONSTRUCTION
P O BOX 034
TRENTON NJ 08625-0034

PHILIP D. MURPHY
Governor

ELIZABETH MAHER MUOIO
State Treasurer

TAHESHA L. WAY
Lt. Governor

CHRISTOPHER CHIANESE
Director

December 11, 2023

Taheri Architecture, Inc.
279 West Tulpehocken St.
Philadelphia, PA 19144
Attn: Roya Taheri

Re: M1598-00 - Notice to Proceed SBE Set-Aside
PHEAL Security Upgrade
NJ Public Health Environmental and Agricultural Laboratory
Ewing, Mercer County, NJ

Dear Ms. Taheri:

This is notification that the above referenced project was awarded to your firm in the amount of \$317,929.00 and serves as your Notice to Proceed. The design duration shall be 182 calendar days from the Notice to Proceed to the final plan review approval.

Your services will be in accordance with the Request for Proposals dated August 18, 2023, Scope of Work dated May 10, 2023, your technical proposal dated September 12, 2023, revised fee proposal dated October 17, 2023, & the Agreement between the State of New Jersey and the Consultant and the General Conditions to the Consultant Agreement dated May 2016.

Please contact Joseph [redacted] to set up the kick-off meeting.

We look forward to the successful completion of this project.

Please sign below and return by email to [redacted]

Sincerely,
[Signature]
Christopher R. Geary
Assistant Deputy Director

- c: O. Popinako J. Langsdorf G. Cardone W. Hamilton
J. Polizzi K. Jennings
Central File

Receipt and Understanding is Hereby Acknowledged:

Roya Taheri, PhD, AIA LEED AP 12/11/2023
Name Date
President
Title

**STATE OF NEW JERSEY
DEPARTMENT OF THE TREASURY
DIVISION OF PROPERTY MANAGEMENT AND CONSTRUCTION**

**AGREEMENT
BETWEEN THE STATE OF NEW JERSEY AND THE
CONSULTANT**

TABLE OF CONTENTS

- A. Consultant Responsibilities
 - A.1 General
 - A.2 Design Phase
 - A.3 Construction Administration Phase
- B. Owner's Rights and Responsibilities
 - B.1 Owner's Rights
 - B.2 Owner's Responsibilities
- C. Contract Documents
- D. Professional Insurance
- E. Construction Cost
- F. Consultant Compensation
- General Conditions

In this AGREEMENT made upon notice of acceptance by the Owner of the Consultant's Proposal

BETWEEN the Owner: State of New Jersey, by and through its
Contracting Agent, the Deputy Director of the
Division of Property Management and Construction in
the Department of Treasury

and the Consultant, as noted in the Notice of Award for Project: **M1598-00 SBE Set-Aside
Security Upgrades
NJ Public Health, Environmental and
Agriculture Laboratory
Ewing, Mercer County, NJ**

The Owner and the Consultant agree as set forth below:

A. CONSULTANT'S RESPONSIBILITIES

A.1 GENERAL

- A.1.1 The Consultant shall become fully familiar with the contractual obligations of all entities doing work for the project and all relevant project documentation.
- A.1.2 The Consultant shall be responsible for satisfying all of the obligations described in this AGREEMENT, even if such obligations are not addressed in the Consultant's proposal(s). This AGREEMENT establishes the minimum obligations of the Consultant which obligations may be supplemented by the Consultant in its proposal(s). If the services promised in the Consultant's proposal(s) exceed those described in the articles of this AGREEMENT, then the Consultant shall be responsible for satisfying additional obligations described in its proposal(s).
- A.1.3 The consultant shall comply with all requirements in the Procedures for Architects and Engineers, Second Edition, or subsequent editions. These requirements are in addition to those in this AGREEMENT.
- A.1.4 The Consultant services consist of those services performed by the Consultant, the Consultant's employees, the Consultant's sub-consultants and contractors. The Consultant shall utilize the key staff members identified in its Technical Proposal. The Consultant shall notify the Owner in advance of any proposed change in its key staff members identified in its proposal. The Consultant shall submit to the Owner for approval the name and qualifications of the proposed replacement with equal or superior qualifications at no additional cost to the Owner. No change shall take effect unless the Owner approves the change in writing. The Owner may also determine, in the Owner's sole discretion, to terminate the Project, and/or to terminate the Consultant AGREEMENT, and/or claim all damages against the Consultant resulting from the Project termination or from the Consultant AGREEMENT termination.
- A.1.5 All claims against the Consultant for Errors and Omissions will be pursued by the Owner to secure remuneration during the close-out phase of the project.
- A.1.6 The errors and omissions curve and the corresponding sections of the "Procedures for Architects and Engineers Manual" are eliminated. All claims for errors and omissions will be pursued by the State on an individual basis. The State will review each error or omission with the Consultant and determine the actual amount of damages, if any, resulting from each negligent act, error or omission.
- A.1.7 Any changes to this AGREEMENT must be made in writing in the form of an approved Amendment. The Amendment must be approved by the Owner's Contracting Officer.

- A.1.8 Any work performed by the Consultant that differs from this AGREEMENT, without an amendment from the Owner, is done at the Consultant's own financial risk, any additional work done on the Consultant's own initiative without an approved Amendment is done at the Consultant's own financial risk.
- A.1.9 The Consultant shall promptly notify the Owner of any changes to the scope of services which increase or decrease the Consultant services. No such change in scope shall be performed by the Consultant, without prior written approval by the Owner. Notice of request for additional compensation shall be given to the Owner within 30 working days of the event giving rise to such a request with accompanying justification for the change and a detailed breakdown of the basis for the costs.
- A.1.10 The Consultant shall maintain all documentation related to deliverables, products, transactions or services under this contract for a period of five (5) years from the date of final payment. Such records shall be made available for audit to the New Jersey Office of the State Comptroller or any other State audit agency upon reasonable demand.

A.2 DESIGN PHASE

- A.2.1 All documents including drawings and specifications, any changes, revisions or amplifications thereof, as well as all construction cost estimates, shall be subject to the written approval of the Owner before the documents are accepted. The approval of drawings by the Owner is not to be construed as authority to violate, cancel or set aside any provisions of applicable codes.
- A.2.2 Construction documents must comply with the latest adopted edition of the Uniform Construction Code in effect at the time of approval by the Owner at the FINAL REVIEW phase as defined in the scope of work.
- A.2.3 Unless otherwise provided in the AGREEMENT documents, the Consultant will be requested to secure and be reimbursed for payment of all permits and governmental fees, licenses and inspections necessary for the proper execution and completion of the work and which are legally required at the time of receipt of bids.
- A.2.4 In the event that the construction bids received are in excess of 5% of the approved Consultant's final estimate for construction of the project, and changes to drawings and/or specifications are required to meet such approved estimate, the Consultant shall redesign and/or set up sufficient approved alternate designs, plans and specifications for the project work, to secure a bid that will come within the allocation specified by the Owner without impacting the programmatic requirements of the project. Such redesign work and changes to plans, including reproduction costs for submission in order to obtain final approval and permits, shall be undertaken by the Consultant at no additional cost to the Owner.

A.3 CONSTRUCTION ADMINISTRATION PHASE

- A.3.1 If the scope of work calls for construction administration services, the following shall apply:
- A.3.2 The Consultant shall visit the site at scheduled intervals appropriate to the stage of construction of the Project to become generally familiar with the quality and progress of the construction work that has been completed and to determine, in general, if the construction work is being performed in a manner indicating that, when completed, the work will be in accordance with the contract documents. The Consultant shall not be required to make continuous and/or exhaustive on-site inspections to check the quality or the quantity of the construction work. On the basis of the on-site observations, the Consultant shall keep the Owner informed of the progress and quality of the construction work in order to endeavor to guard the Owner against defects and deficiencies in the work.

- A.3.3 At all times the Consultant shall have access to the work to determine if it is proceeding in accordance with the Contract documents. However, neither the Consultant nor its sub-consultants shall have control over or be responsible for construction means, methods, techniques, sequences or procedures, or for safety precautions and programs in connection with the work; these are solely the Construction Contractor's obligations under the contracts for construction. The Consultant shall not be responsible for Construction Contractor's schedules or failure to carry out the work in accordance with the contract documents. Except as otherwise provided in this AGREEMENT, the Consultant shall not have control over or charge of acts and omissions of the contractor's, construction subcontractors, or their agents or employees, or any other persons performing the work.
- A.3.4 Based on the Consultant's observations and evaluations of the construction contractor's Applications for Payment, the Consultant shall certify the amounts due to the construction contractor's.
- The Consultant's certification of payment shall constitute a representation to the Owner, based on the Consultant's observations at the site as provided above, and the data contained in the construction contractor's Applications for Payment, that the construction contractor's work on the project has progressed to the point indicated and the quality of the construction work is generally in accordance with the contract documents. The former representations are subject to an evaluation of the construction work for conformance with the contract documents upon substantial completion, to results of subsequent tests prior to completion and specific qualifications expressed by the Consultant. The issuance of Certificate of Payment shall further constitute a representation that the construction contractor's subcontractors for the project are entitled to payment in the amount certified. Issuance of Certificates of Payments are not a representation that the Consultant has (1) made continuous and exhaustive inspections to check the quality or quantity of work, (2) reviewed the construction contractor's construction means, methods, techniques, sequences or procedures, (3) reviewed copies of requisitions received from construction contractor's subcontractors and material suppliers and other data requested by the Owner to substantiate construction contractor's right to payment or (4) ascertained how and for what purpose the construction contractor's has used money previously paid on account of contract sum. These are the construction contractor's responsibilities under the contracts for construction.
- A.3.5 Within ten (10) working days of the date that it receives a change order request from the Owner, the Consultant shall evaluate and make specific written recommendations, including verification of costs, on all contractor change orders that relate to the execution and progress of the work and on all matters or questions related thereto and, upon notification, shall attend and actively participate at administrative hearings or settlement conferences in connection with such change orders. If the nature of the work described in the change order is complex, the Owner representative may grant the Consultant additional time, if requested in writing by the Consultant, to evaluate the change order.
- A.3.6 The Consultant shall have the authority to reject construction work on the project that does not conform to the contract documents. In such cases the Consultant will advise the Owner of the rejection. Whenever the Consultant considers it necessary or advisable for implementation of the intent of the contract documents, the Consultant will have the authority to require additional inspection or testing of the work in accordance with the contract documents, whether or not such work is fabricated, installed or completed. However, neither the authority of the Consultant nor a decision made in good faith either to exercise or not to exercise such authority shall create a duty or responsibility of or by the Consultant to the construction contractor's construction subcontractors, material and equipment suppliers, their agents or employees or other persons performing portions of the construction work on the project.
- A.3.7 The Consultant shall review and approve or take other appropriate action upon the construction contractor's submittals such as shop drawings, product data and samples, but only for the limited purpose of checking for conformance with information given and the design concept expressed in

the contract documents. The Consultant's action shall be taken with such reasonable promptness as to cause no delay on the construction work on the project, while allowing for sufficient time in the Consultant's professional judgment for adequate review. Since it is the construction contractor's responsibility to do so under the contracts for construction, review of such submittals is not conducted for the purpose of determining the accuracy and completeness of other details such as dimensions and quantities or for substantiating instructions for installation and performance of equipment or systems designed by the construction contractor's. Unless otherwise provided in this AGREEMENT, these remain the responsibility of the construction contractor's to the extent required by the contract documents. The Consultant's review shall not constitute approval of safety precautions or, unless otherwise specifically stated by the Consultant, of construction means, manners, methods, techniques, sequences or procedures. The consultant's approval of specific items shall not indicate approval of an assembly of which the item is component. When professional certification of performance characteristics of materials, systems or equipment is required by the contract documents, the Consultant shall be entitled to rely upon such certifications to establish that the materials, systems, or equipment will meet performance criteria required by the contract documents.

- A.3.8 The Consultant's responsibilities for Construction Administration commences with the award of the construction contract and terminates at the earlier of the issuance to the Contractor of a Final Certificate of Payment or sixty (60) working days after the date of substantial completion of the construction work.

B. OWNER'S RIGHTS AND RESPONSIBILITIES

B.1 OWNER'S RIGHTS

- B.1.1 The Owner shall have the right to perform work related to the project and to award contracts in connection with the project that are not part of the Consultant's responsibilities under the AGREEMENT. The consultant shall notify the Owner in writing if any such independent action will in any way compromise the Consultants' ability to meet their responsibilities under the AGREEMENT.
- B.1.2 The Owner reserves the right to approve the Consultant's personnel and to require a replacement satisfactory to the Owner. The Owner reserves the right to have such person replaced if, in the judgment of the Owner, any such person proves unsatisfactory. However, such replacement must fit within the rate/fee structure; in the alternative, the Owner shall have the option for a higher rate person for which the Consultant shall be compensated at the higher rate.
- B.1.3 The Owner shall have the right to effect the removal of any of the Consultant's employees at any time during the duration of the AGREEMENT if that employee is deemed not to be of the level of competence or ability required under the AGREEMENT, or said employee is for any reason found to be unsuitable for the work. In such case, the Consultant shall promptly submit the name and qualifications of a replacement for approval by the Owner.
- B.1.4 The Owner shall have the right to assign the administration of any or all contracts related to this project from the Owner to another State Agency, Authority or Commission at any time during the life of the project. In doing so, the Consultant agrees to continue to perform all contractual work under the AGREEMENT. The Consultant shall make no claim against the Owner in the event of such assignment.
- B.1.5 The Owner may make changes in the scope of services within the general scope of the AGREEMENT. The Owner may also make changes to the scope of the project which may give rise to changes in the scope of the Consultant services. In such case, the Consultant shall be entitled to an adjustment in fee and in other terms and conditions of the AGREEMENT.

B.2 OWNER'S RESPONSIBILITIES

- B.2.1 The Owner is contracting for the Consultant's services through the Contracting Officer of the Owner, the Division of Property Management and Construction (DPMC). The Contracting Officer is an officer of the State Department of the Treasury, DPMC and is responsible for the administration of the work of the DPMC. The Contracting Officer represents the Owner, either directly or through an appointed representative, in all dealings with the Consultant.
- B.2.2 The Owner shall provide information regarding the requirements of the project, including a scope of work which shall set forth the Owner's objectives, constraints and criteria, including space requirements, special equipment, systems and site requirements, budget constraints and the required date of completion.
- B.2.3 The Contracting Officer shall designate a Project Manager authorized to act on the Owner's behalf with respect to the project. The Contracting Officer's representative has only those duties which are required of an owner. The responsibility for completion of this project pursuant to the contract documents remains that of the Contractor(s). The responsibility for performance of the Consultant contractual obligations remains with the Consultant.
- B.2.4 The information required in the above paragraphs in this Article shall be furnished at the Owner's expense.

C. CONTRACT DOCUMENTS

- C.1 The following items identify the contract documents comprising the AGREEMENT.
1. AGREEMENT BETWEEN THE STATE OF NEW JERSEY AND THE CONSULTANT
 2. GENERAL CONDITIONS TO THE CONSULTANT AGREEMENT **DATED MAY 2016.**
 3. REQUEST FOR PROPOSAL **DATED AUGUST 18, 2023** INCLUDING:
 - 3.1 SCOPE OF WORK
 - 3.2 CONSULTANT PROPOSAL PACKAGE
 4. PROCEDURES FOR ARCHITECTS AND ENGINEERS, CURRENT EDITION
 5. CONSULTANT'S TECHNICAL PROPOSAL
 6. CONSULTANT'S FEE PROPOSAL
 7. NOTICE OF AWARD/NOTICE TO PROCEED LETTER

D. PROFESSIONAL LIABILITY INSURANCE

- D.1 The Consultant shall maintain Professional Liability Insurance with limits required in the Consultant Proposal Package for the Project. The insurance carrier shall be registered with the N. J. Department of Insurance and licensed or authorized to conduct business in the State of New Jersey, as required by law. In the event of a loss, the Consultant shall be held responsible for payment of any deductible as though there were no deductible. Such insurance shall be maintained for a period of not less than six months following the actual completion and acceptance of the project by the Owner. Contractual Liability Insurance is not acceptable.

E. CONSTRUCTION COST

- E.1 It is understood that the limit of funds available for construction (CCE) exclusive of permits, land costs, furnishing, contingencies and professional fees will be as noted in the project scope of work.

F. CONSULTANT COMPENSATION

- F.1 The Consultant will be compensated for professional services as indicated in the Notice of Project Award in accordance with the fee proposal submitted by the Consultant and negotiated and/or accepted by the Owner. The Owner will compensate the Consultant in accordance with the following terms and conditions:
- F.1.1 The lump sum payable to the Consultant as established in their Fee Proposal shall compensate the consultant in full for all services as described in the Notice to Proceed. The Consultant shall not be entitled to compensation for any services provided prior to issuance of the project Notice to Proceed.
- F.1.2 The Consultant shall submit a payment schedule to the Owner's representative for approval prior to submittal of the Consultant first invoice. The schedule should be in detail, assigning a dollar value for each phase of work anticipated on a monthly basis throughout the entire contract.
- F.1.3 The monthly compensation to the Consultant shall be paid in accordance with the payment schedule submitted by the Consultant and approved by the Owner.
- F.1.4 Duration of services shall be as defined in the scope of work commencing on the date of the issuance of the Notice to Proceed.
- F.1.5 Services provided under this AGREEMENT shall commence on the date of the written Notice to Proceed issued by the Owner. Unless otherwise ordered by the Owner in writing, the Consultant shall initiate its contract work no later than five (5) working days after its receipt of the Notice to Proceed. A Notice to Proceed may be issued by the Owner at its convenience. Any right of the Consultant to an adjustment because of a delay in issuing a Notice to Proceed shall be determined in accordance with the GENERAL CONDITIONS TO THE CONSULTANT AGREEMENT.
- F.1.6 Should the Project duration be extended and the Owner requests continuation of services beyond the contracted duration, then the Consultant agrees to furnish services in accordance with the terms of the Consultant AGREEMENT for the additional period required for completion of the Project.
- F.1.7 The Owner shall not be liable to the Consultant for indemnification, damages, or costs of any kind sustained by the Consultant as the result of the negligence or breaches of contractual obligations committed by the Consultants Sub Consultant(s), Contractor(s) or any other third party.
- F.1.8 The Owner shall reimburse the Consultant for Owner requested continuation of services beyond the specified contract period based upon the values identified in the approved payment schedule which correspond to the activities for which the extended services are being requested.
- F.1.9 To the extent that the Consultant's services are required beyond the time identified in this AGREEMENT and/or to the extent that the Consultant is required to perform services not required under the AGREEMENT, the Consultant shall be entitled to an additional fee. However, the Consultant shall not be entitled to any additional compensation to the extent that delay in completion of the project is the result of the negligent or wrongful acts or omissions of the Consultant.

END OF AGREEMENT

Technical Proposal

Professional Architectural and Engineering Services for

Security Upgrades

NJ Public Health, Environmental and Agriculture Laboratory Ewing, Mercer County, NJ



Prepared for:

New Jersey Department of the Treasury Division of Property Management and Construction

33 West State Street, 9th Floor
Trenton, NJ 08625

Prepared by:



Taheri Architecture, Inc.

279 W. Tulpehocken Street
Philadelphia, PA 19144
(215) 606-8388
[REDACTED]

Project No. M1598-00

Due Date & Time:
September 12, 2023 - 2:00 PM



Creative
Comfortable
Clean

Roya Taheri, PhD, AIA, LEED AP
Massoud Mohadjeri, AIA, PP

September 12, 2023

via email to: [REDACTED]

New Jersey Department of the Treasury
Division of Property Management and Construction
Attn; Jennifer Roeckel, Contacts and Procurement
33 West State Street, 9th Floor
Trenton, New Jersey 08625-0034

RE: Request for Proposal (RFP) for Architectural & Engineering Services for
**Project No. M1598-00 Security Upgrades, NJ Public Health, Environmental and Agriculture Laboratory
Ewing, Mercer County**

Dear Ms. Roeckel,

It is with great pleasure to submit the attached Technical Proposal in response to the above referenced Request for Proposal and Qualifications.

Taheri Architecture, Inc is a full service Architectural firm with experience ranging from early stages of a project, Feasibility Study, Programming, Site Survey Investigation and Cost Estimating to Design and Construction Documents; Bidding and Construction Contract Administration. Our principals have a cumulative **experience** of over **60 years** in architectural practice and have acquired a **Master Builder** level knowledge of construction, and can address any issue that may come up in your project. With **LEED** Accredited Professional, we ensure a Sustainable and High-Performance Building design.

The Staff at Taheri Architecture have *extensive experience in Public Facilities, New Construction, Building Renovation, including several similar projects*. Ms. Roya Taheri, Ph.D. has been involved in Design and Management of several Public building projects in Philadelphia, New Jersey and at International level in Japan. Mr. Massoud Mohadjeri, AIA, PP, has been involved in several New Jersey facility designs, as well as in Philadelphia for the past 20 years, with a focus on Public Construction Projects as Principal/ Studio Director for K-12 Educational Projects at his former firm.

At Taheri Architecture, Inc., the senior staff will take charge of and involve directly in your projects, ensuring a satisfactory completion of project. Both Dr. Taheri and Mr. Mohadjeri have experience and are familiar with the New Jersey projects and procedures. We have completed successfully numerous Security Upgrade projects in New Jersey and Pennsylvania, and are in the mid-point of Construction Phase of a DPMC project; Allaire Park Campground New Sanitary Facility.

We have collaborated with prominent and competent engineering firms in all relevant fields, throughout the years, together with whom we create a strong team to work on your project.

Taheri Architecture, Inc. is a Woman-owned business and a DBE firm registered with the State of New Jersey.

Please do not hesitate to contact me if you have any questions or comments. We thank you for the opportunity to participate in this solicitation.

Sincerely,
Roya Taheri, PhD, AIA, LEED AP

President
Taheri Architecture, Inc.



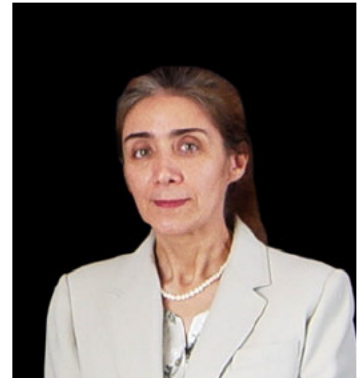
A1. Taheri Architecture, Inc. Profile

FIRM HISTORY AND FOUNDERS:

ESTABLISHED FIRST IN 1997 IN UK AND THEN IN 2007 IN US, TAHERI ARCHITECTURE, HAS PROFESSIONALS WITH OVER 30 YEARS OF EXPERIENCE IN ARCHITECTURAL PRACTICE AND A MASTER BUILDER LEVEL OF CONSTRUCTION KNOWLEDGE, WHO CAN ADDRESS AND RESOLVE ANY ISSUE IN YOUR PROJECTS. WE ARE INCORPORATED IN PA AND HAVE BEEN PRACTICING IN PHILADELPHIA SINCE 2010, AS S-CORPORATION.

DR. ROYA TAHERI, AIA, LEED AP, HAS EXTENSIVE EXPERIENCE IN ARCHITECTURAL & ENVIRONMENTAL DESIGN OF A VARIETY BUILDING TYPES, IN US, UK AND JAPAN. WITH A DOCTORATE IN BUILDING ENVIRONMENTAL ENGINEERING FROM JAPAN, AS WELL AS A MASTER'S DEGREE IN ARCHITECTURAL DESIGN, & OVER 30 YEARS OF RESEARCH AND PRACTICE, SHE CAN DESIGN A HEALTHY ENERGY EFFICIENT BUILDING WITH HIGH INDOOR ENVIRONMENTAL QUALITY, IN HARMONY WITH ITS SURROUNDINGS, PRESERVING ITS UNIQUE CHARACTER AND INCORPORATING SUSTAINABLE & PASSIVE SOLAR DESIGN.

MASSOUD MOHADJERI, AIA, PP, HAS OVER 30 YEARS OF PROFESSIONAL PRACTICE EXPERIENCE IN ARCHITECTURE & URBAN DESIGN. HE HAS MASTER DEGREES IN ARCHITECTURE AND CITY PLANNING FROM UNIVERSITY OF PENNSYLVANIA; AND A MASTER'S DEGREE IN ARCHITECTURAL ENGINEERING FROM UNIVERSITY OF TEHRAN. HIS 20 YEARS OF ARCHITECTURAL PRACTICE AS PRINCIPAL & EDUCATIONAL STUDIO DIRECTOR; HIS EXPERIENCE AS PRESIDENT AND CEO OF ALLIED DESIGN BUILD, INC (DBA ALLIED HOMES) IN CONSTRUCTION MANAGEMENT & AS A GENERAL CONTRACTOR; ALONG WITH EXTENSIVE EXPERTISE IN LEAN PROJECT MANAGEMENT, CLIENT LIAISON, AND CONSTRUCTION DOCUMENT PREPARATION AND SUPERVISION, IN A MULTI-DISCIPLINARY, MULTI-PRIME CONSTRUCTION CONTRACT ENVIRONMENT, WILL ENSURE SUCCESS OF ANY PROJECT.



Dr. Roya Taheri, AIA, LEED AP
President and Founder



Massoud Mohadjeri, AIA, PP
Vice President and Co-Founder

SERVICES

Taheri Architecture, Inc. is a full service urban design architectural, and interior design firm with experience in Design, Construction and Project Management of a variety of residential, commercial and institutional projects.

EXPERTISE

New Construction, Renovations and Expansion of K-12 Schools, Higher Education Facilities, Libraries, Offices, Shopping Complexes, Health Care and Elderly Care Facilities, Governmental and Light Industrial, Athletic Fields, Recreational and Cultural Centers and Residential Buildings.

PROFESSIONAL ETHICS

TAI maintains a high standard of ethical responsibility and has never been subject of any litigation or claim.

IDENTIFICATION INFORMATION:

TAHERI ARCHITECTURE, INC.: S CORPORATION
279 W. TULPEHOCKEN ST., PHILADELPHIA, PA
TELEPHONE No.: (215) 606-8388
WEBSITE: [HTTPS://WWW.TAHERIARCH.COM](https://www.taheriarch.com)
FEDERAL ID No.: [REDACTED]

CONTACT:

ROYA TAHERI, PHD, AIA, LEED AP, PRINCIPAL
[REDACTED]

CERTIFIED WOMAN OWNED BUSINESS ENTERPRISE:

PAUCP DBE CERTIFICATION No. 14162.

PA ARCHITECTURAL FIRM REGISTRATION: [REDACTED]



A1. Taheri Architecture, Inc. Profile (Continued)

SUSTAINABLE DESIGN

Sustainable and Solar Design, Creativity in aesthetics and function of the space, a **Master Builder** level of construction knowledge, international experience & domestic knowledge of private & public bid projects, as well as codes and regulations are among the features of Taheri Architecture.

DESIGN APPROACH

We work with our client to achieve the best value for the least cost, designing your facility with you. We advocate and maintain a good, clear and open line of communication through the design & construction process with you & your contractor. This is our best tool in controlling the schedule & delivery of your project on time and on budget. And with **LEED** Approved Professional we ensure the design of a sustainable and energy efficient facility, with potential use of renewable energy sources.

DESIGN TOOLS

We use advanced industry software, to design and draw your building employing **Building Information Modeling (BIM)**, and allowing a deeper collaboration between the members of the project team in the earliest stages of the project. We actually construct your building in a virtual world, so that concepts and designs are easily visualized and developed. The building virtual model is refined as the design progresses, identifying and eliminating potential conflict areas and reducing the risk for change orders later during construction.

DESIGN PHILOSOPHY

We believe that good design does not have to be expensive. Using standard building materials in a creative way is what allows Taheri Architecture to continually exceed our clients' expectations. The dynamic balance of function, aesthetics and cost is what puts Taheri Architecture into a category of its own.

ADEQUACY - All spaces must be designed to promote the delivery of services. The design of each space must take into consideration those who will use it, how it will be used, programs to be implemented, and how the space can be created in order to enhance the process.

EFFICIENCY - All facilities should be designed to function holistically as a single entity, not a collection of isolated parts. When designed as a whole, a facility will be far more efficient than the sum of its parts.

ECONOMY - Combining the latest technology and energy efficient equipment, with the principle of compactness, helps your facility achieve greater economy in both capital outlay and operational costs. Centralizing all operations to one facility, whenever possible dramatically increases both efficiency and function.

CONSTRUCTABILITY - Simple design solutions are more easily constructed than complex designs. Our team understands the importance of design solutions that are less labor intensive, which, in turn, save the Owner money. We know that materials must be durable and readily available for public construction projects. The end result is a lower SF cost with more usable space for each dollar invested.



Penrose ES & Motivation HS Gymnasium & Cafeteria Addition, School District of Philadelphia



Philadelphia International Airport - Quiet Room



Entrance Canopy Design
Red Bank Regional High School, New Jersey

A2. Relevant Experience

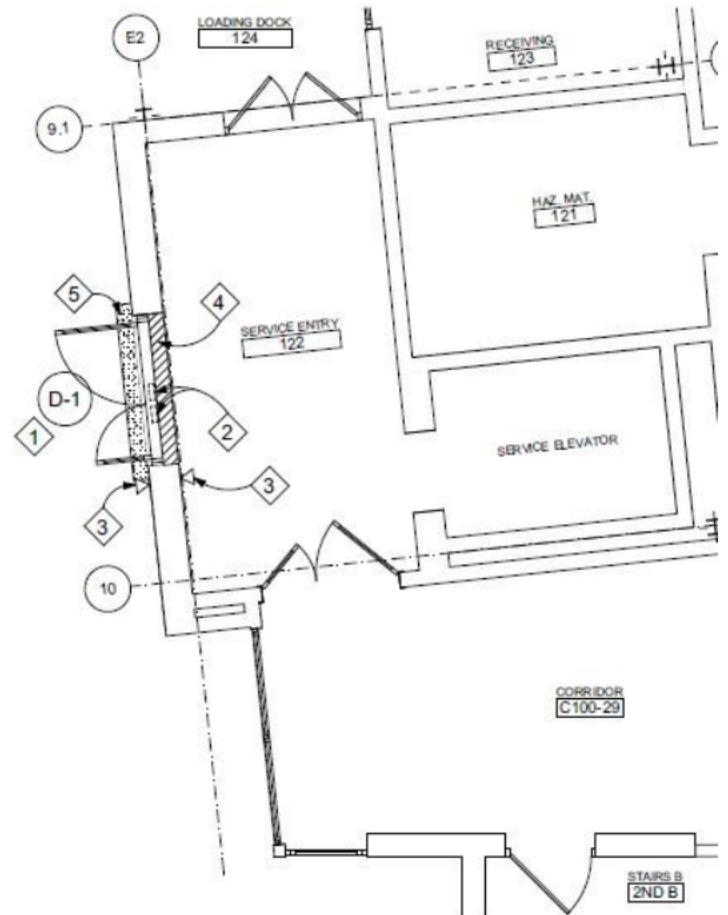
Delaware Valley Veterans Home

Project: Employee Entrance Door Replacement with Access Control Upgrade
Client: PA Department of Military & Veterans Affairs
Location: Philadelphia, Pennsylvania
Construction: 2021- 2022

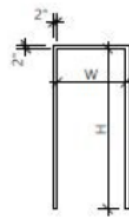


KEYED NOTES

- 1 REMOVE EXISTING DOOR, FRAME AND HARDWARE AND PROVIDE NEW PER SCHEDULE.
- 2 EXISTING MAG-LOCK HARDWARE AND WIRING ASSOCIATED WITH ITS OPERATION SHALL BE REMOVED AND REINSTALLED ON NEW DOOR.
- 3 EXISTING ACCESS CARD READER TO REMAIN. MAINTAIN CONNECTIVITY TO MAG-LOCK HARDWARE RE-INSTALLED ON NEW DOOR.
- 4 REMOVE ONE ROW OF CERAMIC FLOOR TILES BETWEEN THE JAMBS AND ASSOCIATED CERAMIC TILE BASE. PROVIDE NEW CERAMIC FLOOR TILE AND BASE. COLOR AS SELECTED BY USER AGENCY.
- 5 REPAIR AND FLUSH PATCH CONCRETE UNDER TRESHHOLD AND PREPARE FOR INSTALLATION OF NEW DOOR, FRAME AND HARDWARE.



DOOR STYLE	
TYPE	---
VIEW	
DIMS	6'x7'-6"
NOTES	ALUMINUM STOREFRONT WITH 1" INSULATED TEMPERED GLASS



F-1
DOOR-D-1
ALUMINUM

1 PARTIAL 1ST. FLOOR PLAN

SCALE 1/4" = 1'-0"

Hardware Set #: 0001 - FRS DRG ALUM
D-1

Opening to Revue:

Qty	Description
8	HINGE FILLER PLATES 4-1/2"
2	COMPRESSOR HINGE A555 x FULL HEIGHT
1	AUTOMATIC FLUSH BOLTS 3810 x 3850 (TOP ONLY)
1	MORTISE CYLINDER (IC) 20-059
1	ASTRAGAL A548B x BEVEL EDGE x FULL HEIGHT
1	MORTISE EXIT DEVICE FL-2308 x VM490SD
1	DOOR CLOSER / COORDINATOR 799315 x GSR/PT x LHM x MK1
2	ARMOR PLATE 34" x 1" LDW .050 x B4E x CTSE x ULS
2	MOP PLATE 6" x 1" LDW .050 x B4E x CTSE x ULS
1	TEAR DROP SEAL 7/8" x HEAD & JAMBS
1	TEAR DROP SEAL 7/8" x ASTRAGAL x FULL HEIGHT
2	SEIZE EXISTING CARD READERS
1	SEIZE EXISTING MAG LOCK

2 DOOR STYLE
A-1 SCALE 1" = 1'-0"

3 FRAME TYPES
A-1 SCALE 1/4" = 1'-0"

B. DOORS:

- B1. SHOP-INSTALL ALL HARDWARE AND VISION PANEL
- B2. INSTALL NEW DOORS INTO THE EXISTING FRAME, UNLESS NOTED OTHERWISE.
- B3. NOTCH THE CONTINUOUS HINGES AROUND THE FIRE LABEL.
- B4. DOUBLE EGRESS CORRIDOR DOORS D-2, D-3 AND D-4 ARE TO REMAIN WITH EXISTING HOLD-OPEN FUNCTION CURRENTLY TIED TO EXISTING FIRE ALARM SYSTEM.
- B5. DOUBLE EGRESS CORRIDOR DOOR D-4 IS ALSO ON AN ACCESS PAD & MAG-LOCK WHICH ARE TO BE REMOVED AND WILL NOT BE RE-INSTALLED ON THE NEW DOOR.
- B6. REPLACE THE UN-EVEN PAIR DOOR D-7 AND FRAME IN-KIND. REMOVE ALL EXISTING HARDWARE, INCLUDING MAG-LOCK AND ANY ASSOCIATED WIRING AND REINSTALL ON NEW DOOR.

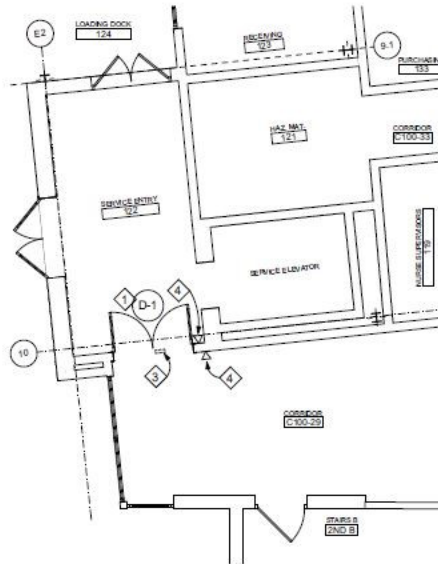
A2. Relevant Experience (Continued)

Delaware Valley Veterans Home

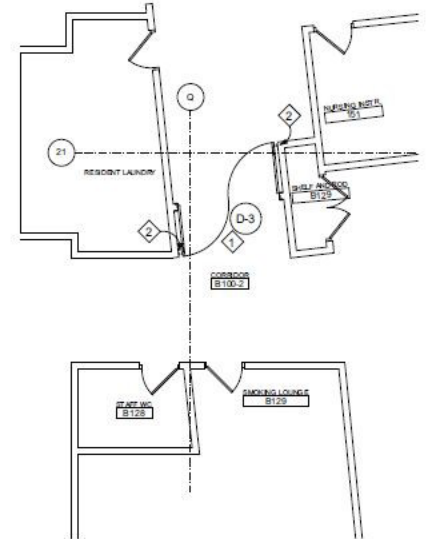
Project: Interior Door Replacement with Hold-Open and Access Control Upgrade
Client: PA Department of Military & Veterans Affairs
Location: Philadelphia, Pennsylvania
Construction: 2020- 2021

KEYED NOTES

- 1 REMOVE EXISTING DOORS AND HARDWARE AND PROVIDE NEW PER SCHEDULE. EXISTING FRAMES TO REMAIN.
- 2 EXISTING DOOR HOLD-OPEN HARDWARE SHALL BE REMOVED, SALVAGED AND BE INSTALLED ON NEW DOORS.
- 3 EXISTING MAG-LOCK HARDWARE AND WIRING ASSOCIATED WITH ITS OPERATION SHALL BE REMOVED AND REINSTALLED ON NEW DOOR.
- 4 EXISTING ACCESS CARD READER TO REMAIN. MAINTAIN CONNECTIVITY TO MAG-LOCK HARDWARE RE-INSTALLED ON NEW DOOR.
- 5 REMOVE EXISTING MANUAL ACCORDION DOOR, ASSOCIATED TRACK AND TRIM PLATES. PROVIDE NEW ELECTRIC-OPERATED ACCORDION DOOR, TRACK AND TRIM PLATES. SEE SCHEDULE FOR SPECIFICATION.
- 6 EXISTING POCKET DOOR, FRAMING AND ASSOCIATED HARDWARE TO BE REMOVED, MODIFIED AND RELOCATED AS A BI-FOLD. INSTALL AT NEW LOCATION.
- 7 NEW ACCORDION DOOR'S KEY-SWITCH ASSEMBLY, 54" ABOVE FINISH FLOOR. VERIFY LOCATION WITH USER AGENCY.
- 8 MODIFY, REMOVE AND REINSTALL ACCOUSTICAL CEILING PANELS AS REQUIRED.
- 9 REMOVE EXISTING MAG-LOCK, CARD ACCESS PADS AND ASSOCIATED WIRING AND SALVAGE FOR USER AGENCY.
- 10 REMOVE AND REPAIR/ REINSTALL PORTION OF EXISTING GYPSUM WALLBOARD PARTITION TO ACCESS POCKET AS NECESSARY FOR THE INSTALLATION OF ELECTRIC MOTOR OPERATOR. PROVIDE A NEW 2' X 2' ACCESS PANEL BELOW THE EXISTING DROP CEILING.
- 11 ELECTRIC MOTOR OPERATOR - IN-LINE WITH ACCORDION DOOR, INSTALLED AT THE BACK OF EXISTING POCKET.
- 12 3 5/8" METAL STUD AND 5/8" GYPSUM WALLBOARD PARTITION FLOOR TO UNDERSIDE OF OPENING (PAINT).



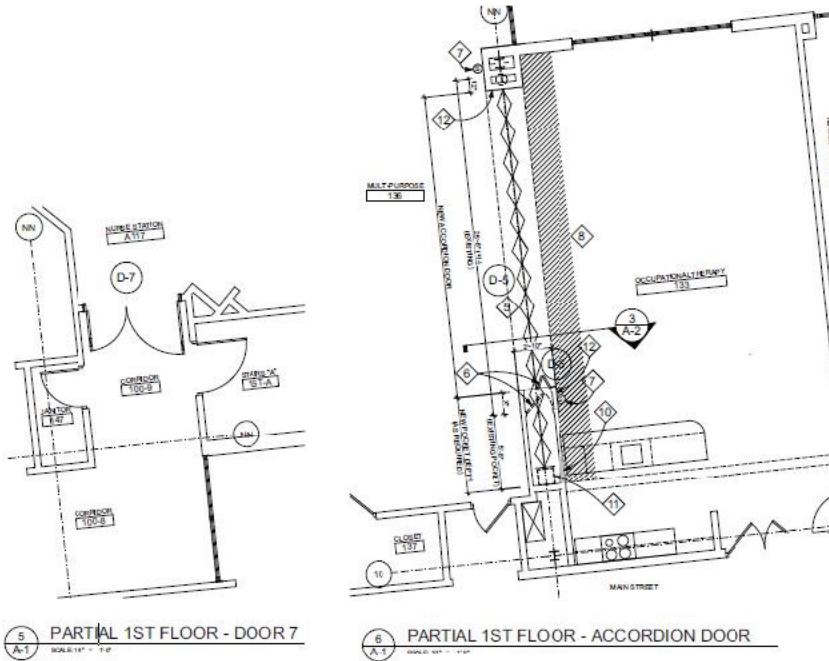
1 PARTIAL 1st FLOOR - DOOR 1
 SCALE: 1/8" = 1'-0"



A2. Relevant Experience (Continued)

Delaware Valley Veterans Home

Project: Interior Door Replacement with Hold-Open and Access Control Upgrade
Client: PA Department of Military & Veterans Affairs
Location: Philadelphia, Pennsylvania
Construction: 2020- 2021



A2. Relevant Experience (Continued)

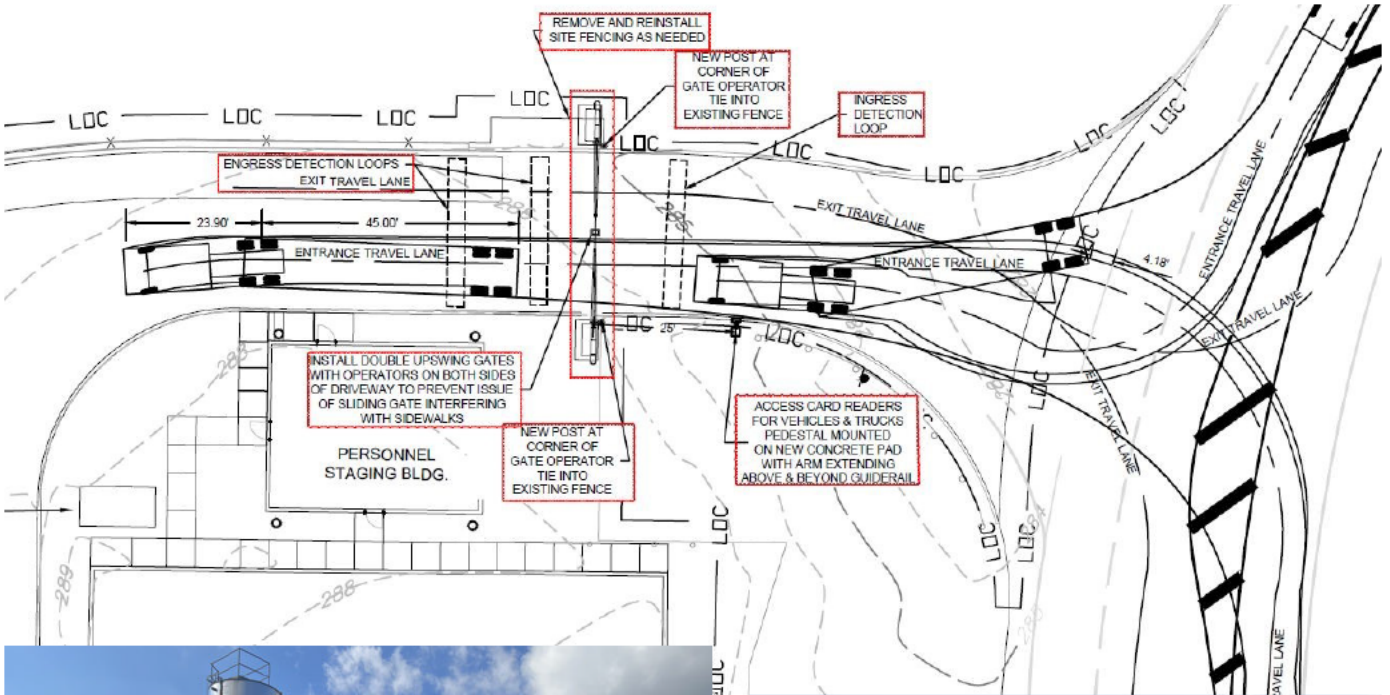


New Delaware County Stockpile

Project: Seven (7) Building Campus Yard with Access Control & CCTV; Including Campus Drive Security Gate & Access Control
Client: PA Department of Transportation
Location: Concordville, Delaware Co., Pennsylvania
Construction: 2021- 2023

The new PennDOT stockpile facility buildings designed with Access Controls and CCTV Cameras affording total security for the operations. The existing entrance drive and sliding gate needed to be reconfigured for trucks with wing plows or semi-trailers. To accommodate the replacement lifting chain-link gates the access control pads required modifications.

CCTV Cameras locations were designed with PennDOT's IT department for a complete coverage of the site.





A2. Relevant Experience (Continued)



Timber Creek High School

Project: 276,000 SF New High School Including CCTV Camera System
Client: Blackwood Regional High School Board of Education
Location: Erial, New Jersey
Construction: 2001

Massoud Mohadjeri while at the Gibson Tarquini Group, Inc. designed and managed the project until completion in 2001. Roya Taheri was the project coordinator and assisted in design and management.



Firm Profile

Design, Consulting, and Engineering



Professional Systems Engineering provides consulting, design, and engineering services, giving our clients the edge in making even the most challenging project a success. We are a nationally recognized consulting firm with a reputation for innovative project delivery. The PSE team has more than 35 years of professional experience providing consulting and engineering services for security, communication, audio/video, and fire protection/life safety systems. PSE offers complete engineering and associated consulting services directly to clients, architects, and allied design professionals to facilitate project planning and overall systems quality. Our consultants, designers, and engineers have tackled some of the most demanding assignments for clients requiring highly secure facilities in healthcare, hospital, laboratory, local/ state/ federal government, emergency and 9-1-1 centers, and other public safety facilities.

Security and Technology-Based Systems

PSE's experience in performing security and network information technologies engineering, consulting and design services includes educational facilities and public government sites. PSE has extensive experience providing consulting, design, bid, and construction administration services for Higher Education, Laboratory, Healthcare, and public-accessed government sites.

The PSE team is composed of security consultants, network engineers, risk advisors, systems engineers and communications designers, public outreach consultants, infrastructure hardening specialists, and construction document/bid/administration professionals. Our security and communications projects span millions of square feet, hundreds of miles, and multiple cities. Our team provides enhanced safety and security to hundreds of educational buildings, laboratory, healthcare, government centers, and corporate facilities.

Our expertise is in comprehensive security surveys, risk and needs assessments, design and engineering, master plan development, security operations and procedures evaluation and program development, as well as a full complement of services for individual system components. Video Surveillance Systems, Access Control, Intercom/Paging, Intrusion Detection, and Duress Systems compose the latest deployable technologies our firm designs. We offer a balanced team approach by combining the expertise of professionals representing physical hardware and systems, operations, policies, and procedures.

Information Technology

PSE provides complete engineering, consulting, and design services for Communications and Information Technology Systems including Tele/Data Communications, Network Information Technologies, Teleconferencing, Multimedia Systems, Integrated Voice/Recording, and Processing Systems. PSE is particularly known for cutting-edge technologies for multiple Tele/Data Communication applications, state-of-the-art Automation, and Control Systems technology. Our engineers participated in the rollout of one of the largest dispatch systems and have developed hundreds of command, control, and communications facilities throughout the U.S. Integration, display, control, and recording of remote sensor and communications streams with full dynamic view/control/blanking capability are addressed by Cisco-certified engineering teams led by our Ops center visualization designer.

Relevant Project Experience



Laboratory / High Performance Space

- AstraZeneca Pharmaceuticals, DE
Administrative Support/Training
- Astro Space Center, NJ
- BASF Corporation, NJ
Research & Development Center
- Boehringer Ingelheim, NJ
- Johnson and Johnson Patient Care, NJ
Administrative Areas
- Merck Pharmaceutical, PA
- McNeil Consumer Products, PA
Labs and Manufacturing
- McNeil Consumer Products, TX
Class 100 Manufacturing
- McNeil Consumer Products, PR
Class 100 Manufacturing
- McNeil Pharmaceutical, Spring House, PA
Animal Research Labs & Manufacturing
- Nortel, Ottawa, Canada
New Production Laboratories
- Ortho Pharmaceutical, NJ
Labs and Manufacturing
- PA Capitol Complex & Police Cmd Ctr.
Agriculture Building and
Agricultural Vet Lab - included
(3) Bio Security Level Lab
- Philadelphia Public Safety Services Bldgs, PA
City of Philadelphia Public Health Labs
- Rhone-Poulenc Rohrer Pharmaceuticals, PA
Labs and Manufacturing
- Sterling Pharmaceuticals
Precious Metals Laboratory Analysis
- Thomas Jefferson University, PA
Microbiology Research

Healthcare / Hospitals

- Bergen County Regional Medical Ctr., NJ
- Bryn Mawr Hospital, PA
- Central State Hospital, VA
- Clifton T. Perkins Hospital Center (CTPHC)
- Maryland's Forensic Hospital
- DC Dept. of Mental Health – CPEP, DC
- Exxon Biomedical Facilities, PA
- Foulkeways, PA
- Friends Hospital, PA
- Geisinger Outpatient Health Care Fac., PA
- Hancock County Health Department, WV
- Jefferson University Hospital, PA
- Methodist Hospital, PA
- National Cancer Institute, MD
- National Institute of Health, MD
- Pennsylvania Hospital, PA
- PA DGS Torrance State Hospital, PA
- National Institute of Health
- Saint Elizabeths Hospital (New), DC
- Saint Elizabeths Hospital RMB Wing, DC
- Spring City Care & Rehabilitation Ctr., PA
- Ronald McDonald House, PA
- RMA of New Jersey - Basking Ridge
- Taylor Hospital, PA
- Trenton Psychiatric Hospital, NJ
- University of Pennsylvania Medical, PA
- Valley Forge Medical Ctr. and Hospital, PA
- VA Medical Center - East Orange, NJ
- VA Medical Center - Lyons, NJ
- Virginia Department of Behavioral Health
and Developmental Services, VA
- West Bergen County Reg. Medical Ctr., NJ
- West Chester County Hospital, NY
- Wishard Hospital, IN



Assunpink Wildlife Management Area

Upper Freehold Township, Monmouth County, NJ

Project at a Glance

- Whitman was retained by the DPMC to provide services to add an addition to the existing Central Region Office Building in the Assunpink Wildlife Management Area.
- Whitman provided civil, MEP and structural engineering services for the 2,000ft² addition
- Several upgrades to the existing building and utility lines were made to ensure everything was up to code.
- The project successfully passed the DPMC code review process and construction will begin in the fall of 2018.

Key Words

- New Jersey Department of Property and Management, DPMC, Assunpink Wildlife Management Area, civil engineering, structural engineering, MEP engineering, addition, HVAC, construction

Overview

The New Jersey Division of Property Management and Construction (DPMC) was expanding the existing Central Region Office Building in the Assunpink Wildlife Management Area by approximately 2,000 square feet. Whitman was retained to provide mechanical, electrical, plumbing, structural, geotechnical, surveying and civil engineering services for the proposed addition.

The civil services included a site plan, grading plan, new handicap parking and access, construction details and related specifications. A Wetland Letter of Interpretation (LOI) and a Soil Erosion and Sediment Control Certification were obtained for the project.

Whitman provided an evaluation of the existing HVAC system's capacity to determine if new systems would be required to service the addition. Whitman then designed the new HVAC system required based on the evaluation. The proposed building area was cleared of underground utilities by relocating the existing incoming electrical service feeder and domestic water supply line from the onsite well. Whitman provided electrical service load calculations and designed the upgrade to the electrical service through coordination with the electrical utility. Whitman also designed the electrical circuit and lighting for the building addition and removed areas of the existing building. Whitman provided upgrades to the existing building restroom to meet current ADA requirements.

The structural services performed for this project included the preparation of a set of construction documents and specifications. The soil at the site was poor, so a deep foundation system consisting of a grid of helical piles was used. The piles support a system of grade beams and spanning foundation slab. The superstructure walls are designed as light gauge metal framing, and the roof is specified as prefabricated wood trusses.

The project has been constructed and occupied as of Summer 2019.





Children's Home Society of New Jersey

Hamilton, NJ

Project at a Glance

- Children's Home Society of New Jersey renovated an existing building for the brand-new Early Head Start location in Hamilton, NJ.
- Designed new mechanical equipment and associated ductwork, new lighting and equipment power, the provision of details for a new building fire alarm system, and the new domestic, natural gas, sanitary and vent piping all to support the renovations.
- Held meetings with the municipality, submitted plans to the County, submitted soil erosion control plans, and designed an additional parking lot.
- Provided asbestos bulk sampling and asbestos remediation design, as well as specification development for roof replacement activities.
- Conducted air monitoring and reporting during the roof removal.

Key Words

Children's Home Society of NJ, Electrical, Mechanical, Plumbing, Fire Protection, MEPF, Civil, Structural, Asbestos

Overview

Whitman is proud to have provided mechanical, electrical, plumbing, fire protection (MEPF), civil, and structural engineering design, as well as asbestos management services for Children's Home Society of New Jersey's brand-new Early Head Start location in Hamilton, New Jersey!

The Children's Home Society of New Jersey renovated an existing building located at 1435 Liberty Street into a head-start early childhood education center, with five infant classrooms and five toddler classrooms, indoor play space, office space, an outdoor playground, and a commercial-grade kitchen to prepare nutritious meals to benefit families in the Greater Trenton and Hamilton areas.

Whitman's mechanical scope of work included the design of new mechanical equipment and associated ductwork to serve the renovations. The electrical scope of work included the design for the proposed equipment power and new lighting, as well as the provision of details for a new building fire alarm system. The plumbing scope of work included the design for the new domestic (hot and cold, including hot water generation), natural gas, sanitary and vent piping to support the renovations.

The civil scope of work included a site plan incorporating the elements from the schematic design through construction documents, meetings with the municipality, submission of plans to the County, submission of soil erosion control plans, and additional parking lot design.

Whitman's structural scope of work included the production of contract documents, including drawings and specifications, for the required analysis and modifications to the existing building structure, as required for the support of new rooftop equipment.

Whitman also performed asbestos bulk sampling and provided the asbestos remediation design and specification development for roof replacement activities, as the exterior roof and roof flashing were found to contain asbestos. Our team then conducted air monitoring and reporting during the roof removal.





Kean University

Union, NJ

Project at a Glance

- Expansion to Kean University's existing Science Building in Union, NJ.
- Civil, electrical, fire protection, HVAC and plumbing engineering services provided by Whitman.
- Addition included labs, faculty offices, and student seating.

Key Words

Kean University, expansion, addition, civil, electrical, fire protection, HVAC, plumbing, engineering

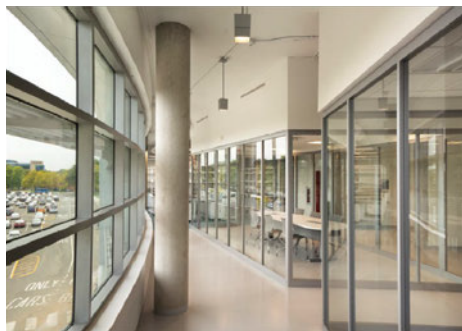
Overview

Kean University decided to expand their existing Science Building, consisting of a two-story, elevated addition containing bench labs, faculty offices and student seating, totaling approximately 8,320 square feet.

Whitman worked with an architect firm on the new addition to the Science Buildings, providing a wide range of engineering services for the project including civil, electrical, fire protection, HVAC, and plumbing.

Visible from the main entrance to Kean University, this new addition brings a high-tech, 21st-century aesthetic to an existing structure from the 1960s while expanding the university's lab space.

The Whitman team was able to leverage our extensive experience with college and university projects as well as our expertise designing labs for the pharmaceutical industry — all to meet a very aggressive schedule.





New Horizons Community Charter School

Newark, NJ

Project at a Glance

- Whitman was retained to complete the building design and environmental services for a new four-story classroom addition and gymnasium to the existing New Horizons Community Charter School.
- Addition included new classroom spaces, bathrooms, storage areas, gymnasium and rooftop playground.
- Whitman's design scope included civil, structural, fire protection, plumbing, mechanical and electrical engineering services as well as environmental services.

Project Size

- Area: 26,000 ft²

Construction Costs

- \$4.5 million

Key Words

New Horizons Community Charter School, MEP engineering, civil engineering, fire protection, environmental services, construction, soil erosion, soil disposal, schools

Overview

Whitman was retained to complete the building design for a new 4-story, 26,000 ft² classroom addition and gymnasium to the existing New Horizons Community Charter School in Newark, New Jersey. Whitman performed an existing building system assessment to evaluate design requirements.

Whitman prepared Preliminary and Final Site Plan design for the proposed addition to the New Horizons Community Charter School in Newark, New Jersey. Plans included layout, grading, utility, construction details, landscaping, existing and proposed lighting, soil erosion and sediment control, and demolition. A Stormwater Management report was prepared per city ordinance which demonstrated a need for an on-site detention basin. Due to site constraints, the basin was designed to be under the parking lot. In addition, an on-street parking report was prepared, as the site is inefficient in size to support all of the required parking. The project was presented to the City of Newark Planning Board to receive approval.

Fire protection performance specification design was completed to show an extension of the existing building fire protection system. The plumbing design included an extension of the building's domestic water main line with new domestic hot water heater, natural gas piping mains connected to site infrastructure.

The mechanical design included new gas-fire heating, direct expansion cooling rooftop units for the gymnasium, rooftop dedicated outside air energy recovery units and variable refrigerant flow systems serving the individual classrooms.

The electrical engineering scope of work included the design of a new electrical service upgrade for the building. The existing building electrical system as well as the new addition electrical loads would be fed from the new electrical service. The electrical design also included lighting and power circuiting as well as a new fire alarm device layout for the addition.

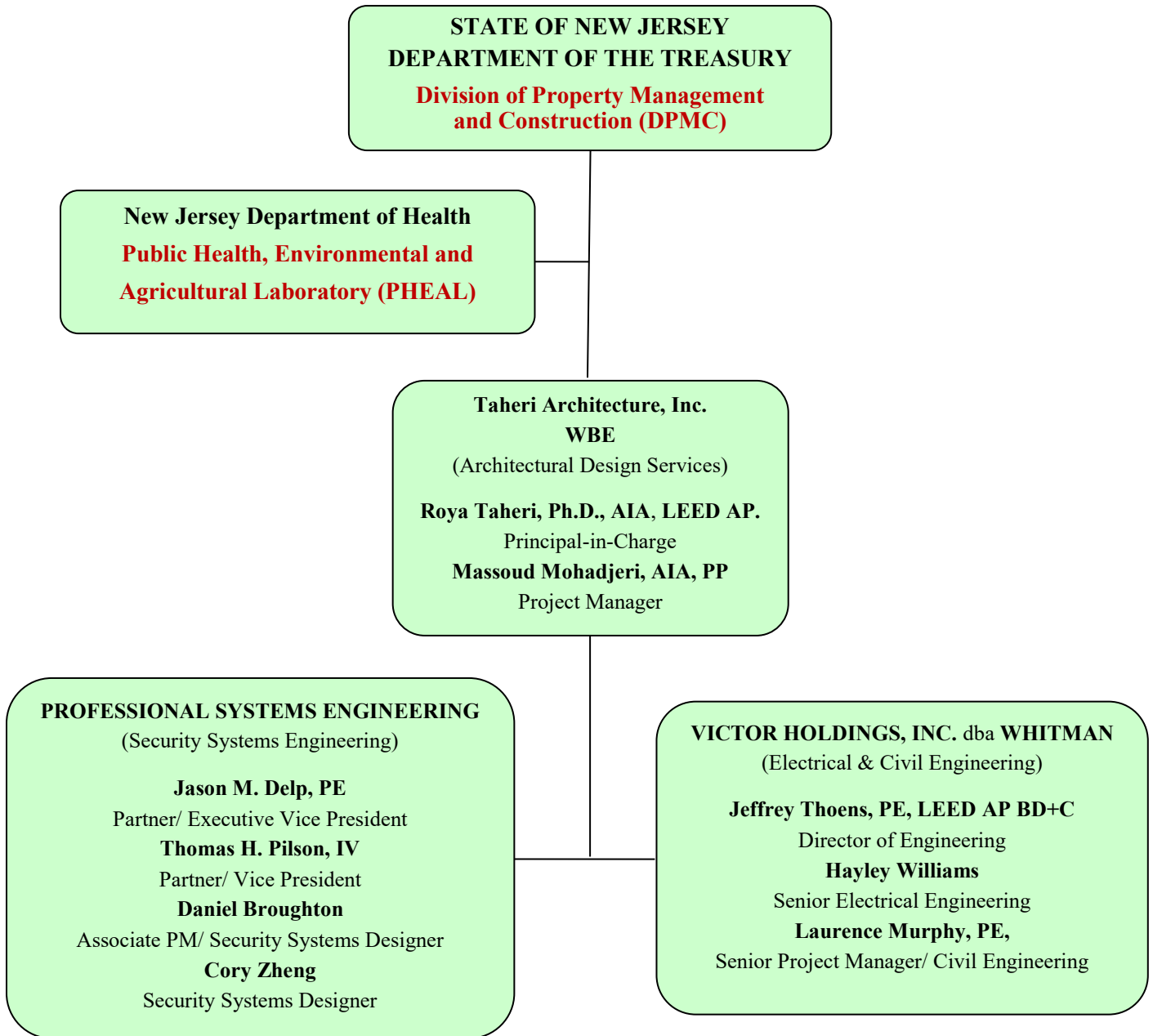
Construction was completed and the addition opened in Fall 2016.





B. Organizational Chart

Taheri Architecture, Inc. has assembled a specialized team of highly qualified individuals and sub-consultants for the purpose of providing the Professional Architectural and Engineering Services, for the **PHEAL Security Upgrade** at the **Public Health Environmental and Agricultural Laboratory (PHEAL)**. As shown on the Organizational Chart in this Section, the team includes architects and engineers; all selected for their experience and technical proficiency demonstrated on past public agencies work and state government facilities. The architects and engineers who are listed to make up the TEAM for this Project strive to develop great working relationship through similar projects.



Organization Chart



Dr. Roya Taheri, AIA, LEED AP

Principal-in-Charge, Taheri Architecture, Inc.

C. Resumes

PROFILE:

Roya Taheri has over 35 years of both academic and intensive professional practice experience mainly in the United States, as well as in other countries. With expertise in building environment, she designs creative, sustainable, energy efficient, comfortable and healthy buildings. Dr. Taheri's dedication and thorough coordination have resulted in completion of complex new construction as well as renovation and addition projects on time and to the satisfaction of the owners.

Dr. Taheri, founded Taheri Architecture initially in the United Kingdom and later here in the United-States in 2007. She has a strong, research-based design and organizational skills as well as a firm understanding of construction in both public and private sectors. Prior to moving to Arizona and starting her own company, Dr. Taheri was a key project manager/ architect at The Gibson Tarquini Group, Inc. in New Jersey successfully designing, coordinating and completing multi-million dollar educational, commercial, and governmental projects.

This along with her research on the climate and environmental issues in architecture, energy efficiency and sustainable design as a part of her doctoral studies and international level research, as well as her experience with working on Pennsylvania, New Jersey and Arizona projects in cooperation with local engineers and contractors provides her with necessary skills to respond to the needs of diverse projects. Her vast experience has enabled her to supervise multi-disciplinary teams and coordinate projects from site feasibility and programming phase through construction contract administration.

PROFESSIONAL EXPERIENCE

Taheri Architecture Inc.: USA, Philadelphia, PA & Tucson, AZ; <i>Founder/Principal</i>	1.2007 ~ Present
The Gibson Tarquini Group Inc. USA, Cherry Hill, NJ; <i>Project Manager</i>	8.1998 ~ 12.2006
Taheri Architecture: UK, Founder	10.1997 ~ 6.1998

Several years of work experience as Project Manager, Architect, Designer and Building Environment Consultant, Since 1975 in US, UK, Japan and Iran.

ACADEMIC:

Affiliate: University of Arizona,	2007~2009
Faculty Standard Teaching Award: Pima County Community College,	2009
Lecturer: "Occupied Space Environment and Hygiene Science," Gunma University, Japan	4.1992 ~ 3.1994
Visiting Research Fellow: Waseda University, Tokyo, Japan	4.1992 ~ 4.1995

Years of Experience:

35 Yrs.

Years with the Firm:

15 Yrs.

Registration:

Architecture/ PA - RA 016761
Architecture/ NJ - AI 01686000
Architecture/ NY - 044214
Architecture/ DE - S5-0008657
Architecture/ AZ - 46304
Architecture/ NV - 6216
LEED AP - 10437197

Education:

Doctor of Engineering, Building Environment Laboratory
Waseda University, Japan - 1989
Ph.D. Thesis: Ecological Architecture, Indoor Environment Quality & Thermal Performance

M.S. Architectural Engineering,
University of Tehran - 1979

Memberships:

American Institute of Architects
International Solar Energy Society
American Solar Energy Society

Awards:

Monbusho Full Scholarship;
Japan Gov. 4.1979~3.1983
Achievement Award:
An Ideal House for the Aged
Federation of Japan Architects & Building Engineers . 1996



Roya Taheri has engaged in several public facilities, such as Burlington Municipal Building, NJ, Fish & Boat Commission NE Regional Operations, PA, PennDOT facilities etc. A few of the projects she was in charge;

K-12 EDUCATIONAL PROJECTS, selected

Camden County Technical School, New Science Facility, Pennsauken, NJ, 2002~2007

Penrose Elementary, Motivation High School Additions/Renovations, Philadelphia, PA, 2005~2006

Camden County Technical School, Pool Conversion into Gymnasium, Pennsauken, NJ, 2005-2006

Lakeside Middle School Additions, Millville, NJ, 2005

Red Bank Regional High School. Interior Renovations, Red Bank, NJ, 2002~2004

Addition to LARC School, (8 classrooms and support, Barrier Free School) Bellmawr, NJ, 2002

Additions and Renovations to Alice Costello Middle School, Brooklawn, NJ, 2002

Camden County Technical Schools, Computer CR Wing, Pennsauken Campus, Camden, NJ, 2000

Additions & Renovations to Dr. Martin Luther King Jr. School Complex, Atlantic City, NJ 2000

Additions & Renovations to Uptown School Complex, Atlantic City, NJ, 2000

Timber Creek High School, a New Construction, Black Horse Pike NJ, 1999-2001

Niekawa Elementary School, a New Construction, Nagano prefecture, Japan, 1994

COMMERCIAL FACILITIES, selected

UPS Parcel Distribution Facility: Nogales, Arizona, 2008

Industrial Tool, Die and Engineering Building Addition, Renovation: Tucson, AZ, 2008

Cherry Hill Pointe: Retail Stores, New Jersey, US, 2002

Sato Musen Electric Chain Store: Funabashi, Japan, 1990

Kamijo Nursing Home for the Aged: Nakayama, Matsumoto, Japan, 1993

HISTORIC RESTORATIONS

Revell House Restoration Project, Philadelphia, PA, 2020

Freshman Academy Additions and Renovation, Jersey City, NJ, 2005; Constructability and Peer Review

PUBLIC FACILITIES, selected

PA Fish & Boat Commission NE Regional Operations PA DGS, 2021~ ; New Office, Auto-shop, Boat Storage.

Technical Proposal

Project No. M1598-00

PA DGS: PennDOT project, New Stockpile Facility, including 8 structures, Delaware County, \$7 mil. completed 2023

MHC House for Children, Capital Assessment, Campus major Renovations , Commercial Kitchen, Roofing, etc., 2019

Philadelphia International Airport Meditation/ Room,

Philadelphia, PA, For City of Philadelphia, completed 8/2018

Delaware Water Gap Welcome Center Renovations, Smithfield Township, PA. . For PennDOT, 2016-17

High Arch Gambrel Roof Salt Storage Buildings, Philadelphia & Gladwyne, PA. . For PennDOT, 2014-15

Burlington City Municipal Services Center, Public Safety and Judicial sections, Burlington City, NJ, 2001

Bedminster Municipal Building, Bedminster, NJ, 2001

Kennedy Community Center, Senior Citizen Wing

(Senior Villa), Willingboro, New Jersey, 2001

Kennedy Community Center, Theatre, Lobby, Additions/Renovations, Willingboro, NJ, 2002

COST ESTIMATING SERVICES

Roya Taheri has performed several Survey Cost Estimates for the State of Pennsylvania, **Department of General Services,** such as;

Personnel Staging Building for a New 24x30 Building, PA

Range Restrooms for Elizabethtown Training Academy Firing Range, Elizabethtown, Lancaster County, PA, 2013

Norristown State Hospital for Partial Roof Replacement for Bldg. #1 Norristown State Hospital Norristown, PA, 2013

PennDOT Maintenance Stockpile for 19,000 SF Ceiling Sand Blasted and Paint, Philadelphia, PA, 2014

New 80'X80' Core Storage Building Survey Cost Estimate for PennDOT, Norristown, Montgomery County, PA, 2015

RESEARCH PAPERS & PUBLICATIONS, Selected

Research on Environmental Policies of Japan and other Countries, as a part of the Report by Laboratory for Innovators of Quality of Life, for City of Yokohama, 1993

Urban Area as a Part of an Ecosystem IFHP/CIB/WHO/IGU International Conference on Urban Climate, Planning and Building, Kyoto, Japan, 1989 published: Energy and Buildings, Vols. 15,16, 1991

Comparison between Design Criteria for Various Warm Climates Invited Paper Indoor Air Quality & Ventilation International Conference, Lisbon 4.1990

Environmental Control Design Inspired by Adaptation Mechanisms of Living Creatures to the Climate ISES Solar World Congress, Safe and Clean Energy Forever, Kobe, Japan , 9.1989

Research on Ecological Aspects in Architecture, Related with Climate and Nature Doctoral Thesis,

Waseda University, Tokyo, Japan, 3.1989



Dr. Roya Taheri, AIA, LEED AP. References

Mr. Adam Paul, Project Manager, Environmental Division

Department Of General Services | Capital Programs | Bureau Of Capital Projects Design
Arsenal Building |1800 Herr Street | Harrisburg, PA 17125

Phone: [REDACTED]

Mr. Davion is in charge of the PA Fish & Boat Commission NE Regional Operations Center, Sweet Valley project.

Leah Douglas, Director of Image and Chief Curator

City of Philadelphia . Department of Commerce . Division of Aviation
International Plaza Drive, Plaza I, Suite 100
Philadelphia, PA 19133

Tel: [REDACTED]

Dr. Ray Bavi, Director of Facilities & Maintenance

Cheltenham Township School District
2000 Ashbourne Road
Elkins Park, PA 19027

Tel: [REDACTED]

Dr. Ray Bavi has retired since Summer of 2018.
He can be reached at:
Tel: [REDACTED]

Dr. John Kellmayer, Superintendent (retired)

Alice Costelo Elementary and Middle School,
Brooklawn Board of Education
301 Haakon Rd, Brooklawn, NJ 08030

Tel: [REDACTED]

Dr. John Kellmayer is the former Superintendent of the Brooklawn Elementary and Middle School in NJ, for which Roya Taheri while at the Gibson Tarquini Group, Inc, designed Additions and Renovations.

Mr. Dino Acevedo, Supervisor of Buildings and Grounds

Camden County Technical Schools, Board of Education
343 Berlin Cross Keys Road
Sicklerville, NJ 08081-4000

Tel: [REDACTED]

Mr. Dino Acevedo, is the Facility Manager at the Camden County Technical Schools in NJ, and would know both Dr. Taheri and Mr. Mohadjeri who oversaw a multitude of Renovation projects for the District at both Pennsauken and Sicklerville Campuses since 1998. Among the projects is the iconic New Science and Horticultural Center at Pennsauken Campus, which Dr. Taheri designed while at the Gibson Tarquini Group Inc.

Mr. Shawn Grunewald, Project Engineer

United Parcel Service (UPS)
3150 N. 31st Ave.
Phoenix, AZ 85017

Mobile: [REDACTED]

Mr. Grunewald was the officer in charge of the UPS distribution center in Nogales Arizona, designed by Taheri Architecture, Inc. in 2008.



Resumes

Massoud Mohadjeri, AIA, PP

Principal/ Project Manager, *Taheri Architecture, Inc.*

PROFILE:

With three masters' degrees and over 38 years professional experience in architecture and city planning Mr. Mohadjeri has valuable insight in the architectural projects. In 25 years of Architectural Practice at The Gibson Tarquini Group, Inc., Massoud has made many marks in K-12, Higher Education and Public Works facilities throughout New Jersey and Pennsylvania.

With his experience as President and CEO of Allied Design-Build, Inc. (dba Allied Homes) in construction and as a general contractor, he pinpoints construction issues more efficiently and thoroughly early in the design process preventing future problems and avoiding change orders. His planning, cost estimating and scheduling have proven to be accurate almost all the time. He has extensive experience in project management, client liaison, and construction document preparation/ supervision, in a multi-disciplinary, multiple-prime construction contract environment.

Mr. Mohadjeri co-founded Taheri Architecture with Dr. Taheri here in the US in 2007. He has an exceptional design and organizational skills, being a planner/ architect/ builder, enabling him to provide his clients with cost-effective design solutions, constructed easily, on time and on budget.

Prior to acquiring Allied Homes and starting his design-build company in Tucson (2007) and after returning to Philadelphia(2010), Mr. Mohadjeri has been a Principal/ Studio Director at The Gibson Tarquini Group in New Jersey for twenty-one years successfully managing the design and construction of multi-million dollars, PreK-12 Schools and higher education, commercial, and governmental projects.

During his tenure at his former companies, Mr. Mohadjeri's expertise included public and private comprehensive master planning and facility design, streetscape/ public improvement, downtown revitalization plans, urban design, as well as urban and rural roadways and highway projects.

PROFESSIONAL EXPERIENCE

Taheri Architecture Inc.: Philadelphia, PA & Tucson, AZ; <i>Co-Founder/Principal</i>	1.2007 ~ Present
The Gibson Tarquini Group Inc. Cherry Hill, NJ; <i>Project Manager</i>	2.2009 ~ 12.2015
Allied Design Build, Inc. Tucson, AZ; <i>General Manager</i>	1.2007 ~ 2.2009
The Gibson Tarquini Group Inc. Cherry Hill, NJ; <i>Studio Director/ Principal</i>	10.1987 ~ 12.2006
Killinger Kise Franks Straw, Philadelphia, PA; <i>Senior Urban Designer/ Project Architect</i>	1982 ~ 10.1987
Philadelphia City Planning Commission, Philadelphia, PA; <i>Architect/ Planner</i>	1981 ~ 1982

Years of Experience:

38 Yrs.

Years with the Firm:

15 Yrs.

Registration:

Architecture/PA - RA 010266X (1981)
Architecture/NJ - AI 01061500 (1988)
Professional Planner/NJ - LI00454300
Arizona Registrar of Contactors -
ROC311410 KB-02 (Since 2007)

Education:

Master of Architecture,
University of Pennsylvania - 1980
Master of City Planning,
University of Pennsylvania - 1980
M.S. Architectural Engineering,
University of Tehran - 1978

Memberships:

American Institute of Architects

Awards:

Scholarship; *Urban Design Program*
University of Pennsylvania 1980

Gold Medal Recipient: 1978

Summa cum Laude

Department of Architecture,
University of Tehran

The Fellowship Award; 1975
International Student Exchange

Scholarship; *Architectural Program*
University of Tehran 1973-74



Massoud Mohadjeri, AIA, PP (Resume Continued)

Massoud Mohadjeri has been involved in several public projects, such as Livingston Municipal Building, NJ, Fish & Boat Operations in PA, PennDOT facilities, etc.

Following are a few of recent projects Massoud has been in charge;

CURRENT PROJECTS (2016 to Present)

- **PA Department of General Services:** Fish & Boat Commission N.E. Regional Operations, *Project Architect*
- **City of Philadelphia, Aviation:** *Project Architect* PHL Passenger Assistance Offices Renovations
- **PA Department of General Services:** *Project Manager* - Penn DOT Delaware County New Stockpile Facility
- **Revell House Restoration Project:** *Project Manager, Historic Period Rehabilitation*
- **Philadelphia Baha'i Community:** *Property Manager* (Baha'i Center & Revell House)
- **City of Philadelphia, Aviation:** *Project Architect* PHL Quite Room
- **City of Philadelphia, Dept. of Public Property:** *Project Manager/ Architect* - PD 5 & PD 7 Site and Building Assessments
- **PA Department of General Services:** *Project Architect* - Penn DOT Delaware Water Gap Welcome Center Renovations
- **PA Department of General Services:** *Project Architect* - Penn DOT New Salt Storage Facilities in Philadelphia and Gladwyne
- **Cheltenham Township School District:** *Project Manager* - Cheltenham HS Gymnasium Renovations
- **St. Rose High School:** *Project Manager* Science Lab Renovations
- **Allied Tube & Conduit:** *Project Manager* 11350 Norcom Road Building Assessment

COMPLETED PROJECTS (2009-2015)

Higher Education: *As Project Manager*

Rohrer College of Business, Rowan University

QC/QA Peer Review, Constructability Review

Camden County College (Blackwood, NJ):

- **New Camden City Center**, Camden Campus, NJ
- **CIM Building Envelope Stabilization and Moisture Control Project**
- **Student Services Center Renovations, including Cafeteria and Kitchen**
- **Wolverton Library Renovations**
- **New Criminal Justice Center**
- **New Helene Fuld School of Nursing**
- **New Photo Lab**

Gloucester County College (Gloucester, NJ):

- **New Nursing/Allied Health Technology**
- **New Day Care Center**

K-12 Schools – New Construction: *Project Manager*

Bensalem High School Gym & Locker Room Addition (Bensalem, PA)

Inductotherm Elevator Addition – Design-Build (New Jersey)

Red Bank Regional High School Fitness Center Addition (Little Silver, NJ)

Eastern Camden County Regional HS - Marching Band/ Athletic Storage building (Voorhees, NJ)

Roselle Boro Schools (Roselle, NJ):

- **Roselle Cafeteria Trailer** at Wilday Jr. High School
- **Fitness Center Trailers** at L.V.Moore Middle School
- **New Early Childhood Education PreK-3 to K School**

K-12 Schools - Alterations/ Renov. : *Project Manager*

Roselle Boro Schools (Roselle, NJ):

- **Three (3) Science Classrooms**, Wilday Jr. High School
- **Media Center**, Abraham Clark High School -
- **Five (5) Science Lab Renovations**, Abraham Clark HS
- **Auditorium & Stage Renovations**, Abraham Clark HS



Massoud Mohadjeri, AIA, PP (Resume Continued)

Red Bank Regional School District (Little Silver, NJ):

- World Language Classroom, Red Bank Regional High
- New Biology-Chemistry Lab, Red Bank Regional High
- Auditorium Renovation, Red Bank Regional HS
- Corridor Renovations, Red Bank Regional High School
- PE Lockers Renovations, Red Bank Regional HS
- New Gymnasium Wood Flooring
- Gym Ceiling Insulation, Red Bank Regional HS

Camden County Technical Schools (Sicklerville, NJ):

- New TV Studio
- Restroom Renovations
- Building #4 Doors & Window Replacement

Jersey City School District (Jersey City, NJ):

- Cafeteria Designs at various Sites
PS 12, PS 5 and PS 14 Cafeteria Renovations

Eastern Camden Co. Regional District (Voorhees, NJ):

- Nurses Suite, Eastern Camden County Regional HS
- Stadium Field Turf and Synthetic Track Renovations
- Athletic Fields Synthetic Turf Installation
- Boys Locker Room Renovations

Willingboro School District (Willingboro, NJ):

- Exterior & Interior Door Replacement
- Hawthorne Elementary School Renovations
- James Elementary School Renovations
- Toilet Room Renovations, Stuart Elementary School

Municipal and Commercial Projects: *Project Manager*

- HVAC and Electrical Upgrades, Vineland City Police Building (Vineland, NJ)
- Tenant Fit-out, Complete Care Health Network – Colletown Shopping Center (New Jersey)
- Hamilton Twp Water Pollution Control Building Enve-

K-12 Systems Upgrade/ Improvements: *Project Manager*

- Roselle Boro Schools **Electrical and Lighting Upgrade** at four (4) Schools (Roselle Boro, NJ)
- Camden County Technical Schools – **Emergency Generators** (Sicklerville, NJ)
- Red Bank Regional High School - **Solar PPA Project** (Little Silver, NJ)
- Red Bank Regional High School - **Electric Service & Emergency Generator** (Little Silver, NJ)
- Eastern Camden County Regional High School - **Solar Array** (Voorhees, NJ)
- Red Bank Regional High School – **Power Service & Stadium Field Lighting** (Voorhees, NJ)
- Red Bank Regional High School - **HVAC & Controls Evaluation** (Voorhees, NJ)
- Camden County Technical Schools - **Emergency Heat Support** (Sicklerville, NJ)
- Red Bank Regional High School – **Culinary Arts Ventilation Hood** (Little Silver, NJ)
- Red Bank Regional High School – **CCTV and Access Control** (Little Silver, NJ)
- Eastern Camden County Regional High School – **Auditorium, Music Suite AC Unit Replacement**
- Red Bank Regional High School – **New Patio Fence**
- Red Bank Regional High School - **Parking Lot Lighting Upgrade** (Little Silver, NJ)
- Eastern Camden County Regional High School - **Bleacher Replacement in Gym 2 and 4**
- Eastern Camden County Regional High School - **Parking Lot Lighting** (Voorhees, NJ)



Massoud Mohadjeri, AIA, PP (Resume Continued)

K-12 Schools - Renovation (Continued):

Studio Director/Project Manager

- Hoboken High School **Health and Safety Rehabili-tations** (Hoboken, NJ)
- Dayton High School **Science Labs Renovations** (Springfield Twp., NJ)
- Gaudneir Middle School **Science Labs Renova-tions** (Springfield Twp. NJ)
- Caldwell Elementary School **Major Renovations** (Springfield Twp. NJ)
- Tuckerton ES **Major Renovations** (Tuckerton, NJ)
- New York Avenue School **Renovations** (Somers point, NJ)
- Nokomis Elementary School **Major Renovations** (Medford Lakes, NJ)
- **Material/Media Center**, Camden County Voca-tional & Technical School
- **Child Study/Biology Lab**, Overbrook Senior High School
- **Chemistry Lab**, Overbrook Senior High School
- **Chemistry Lab**, Haddon Height High School

K-12 Schools – Athletic Fields:

Studio Director/Project Manager

- **Refreshment Stand/Field House**, Eastern Regional High School
- Eastern Regional High School **Athletic Fields Renovations**
- **400 Meter Track and Field Events**, Eastern Regional High School
- **Grandstand Construction**, Eastern Regional High School
- **Athletic Training Room**, Edgwood Senior High School

- **Aredale Crescent** (Philadelphia)
- **La Salle College Property** (Philadelphia),
- **Washington Square** (Harristown)
- **ARAMCO** (Saudi Arabia),
- **Philadelphia Central Waterfront Plan** (Philadelphia)
- **Cedar Hill Farm** (Delaware County),
- **ICI America** (Wilmington)
- **Delmarva Headquarters** (Newark, DE),
- **SEPTA Bus Maintenance Facility** (Philadelphia)

Master Development Plans: *Site Planner/Programmer*

- **Christiana Hospital Master Plan** (Wilmington),
- **St. Christopher Hospital** (Philadelphia)

Comprehensive Development Plans: *Urban Designer*

- **Atlantic City Master Plan**
- **Memphis CBD Development Plan**
- **Philadelphia Central Waterfront District Plan**
- **Downtown Washington D.C. Planning**

Design of Public Environment: *Urban Designer*

- **Market Square Design Controls** (Harristown)
- **Mid-America Mall Plan** (Memphis)
- **Riverwalk** (Philadelphia)
- **Philadelphia Convention Center at Reading Center Streetscape**

Feasibility Studies: *- Architect/Planner*

- **Academy Center for the Performing Arts** (Philadelphia)



Massoud Mohadjeri, AIA, PP, References

Mr. Nathan Davion, Project Manager

Department of General Services
1 Tek Park, Suite 100 | 9999 Hamilton Blvd., Breinigsville, PA 18031
Phone: [REDACTED]

Mr. Davion is in charge of the Construction administration phase of the PennDOT Stockpile Facility in Smithfield, PA.

Ms. Christina M. Galvao, Business Administrator, Board Secretary

Red Bank Regional High School,

Ms. Christina Galvao, the Business Administrator has known Mr. Massoud Mohadjeri for the last seven (7) years who designed and managed a number of Renovations, while at the Gibson Tarquini Group, Inc. Both Dr. Taheri and Mr. Mohadjeri were involved at Red Bank Regional High School, prior to Ms. Galvao’s tenure, overseeing design and construction of a \$15-million, major school-wide renovation project in 2003-2005.

Michelle Shuman, Project Manager

City of Philadelphia . Department of Public Property. Capital Projects Division
1515 Arch Street, 11th Floor
Philadelphia, PA 19102
Tel: [REDACTED]

Ms. Diana Schiraldi, Business Administrator/ Board Secretary

Eastern Camden County Regional High School District
Laurel Oak Road, Box 2500, Voorhees, N.J. 08043

Fred Wright; Former BA/ Board Secretary (1995-2015)
Cell: [REDACTED]

Ms. Diana Schiraldi is the new BA as of June 2015, replacing **Mr. Fred Wright**. Mr. Mohadjeri had been serving this District since he first joined Gibson Tarquini Group, Inc. in 1987. Ms. Schiraldi is also familiar with the work of Mr. Mohadjeri from her previous BA position at Medford Lakes and then at Eastern. Both Mr. Mohadjeri and Dr. Roya Taheri designed Major Renovations and Additions throughout years, while at the Gibson Tarquini Group, Inc. for this District.

Mr. James H. Hager, Business Administrator/ Board Secretary

Lenape Regional High School District
93 Willow Grove Road, Shamong, N.J. 08088

Mr. James Hager is familiar with Mr. Massoud Mohadjeri's services on Major Additions and a number of Renovations to Cherokee High School in Marlton, New Jersey. As an Alternate contact, **Mr. Anthony Voiro, Director of Buildings and Ground** can be reached out at; Tel: [REDACTED]

Mr. Kelvin T. White, Facility Manager

Roselle Borough School District
710 Locust Street, Roselle, N.J. 08043

Taheri Architecture, Inc. is appointed "Architect of Record" for 2016-2017 by Roselle Borough School District.

Mr. Kelvin White is the Facility Manager for the Districts’ 4 Elementary, 2 Jr. High, 1 High School and the Board of Education Office buildings. He is familiar with Mr. Massoud Mohadjeri's services on multitude of Renovations and Addition projects at above facilities since 2009.

Jeffrey Thoens, P.E., LEED A.P. BD+C

Director of Engineering

PROFESSIONAL PROFILE

Mr. Thoens has over 20 years of experience in electrical engineering systems. His responsibilities include lighting design, power design, solar design, and medium voltage design. For lighting design, Mr. Thoens selects, coordinates, and designs emergency lighting fixtures layouts to meet local code requirements. He performs photometric calculations for both building interior and exterior lighting designs. For power design, Mr. Thoens completes the layout and circuiting of electrical devices including refrigeration, HVAC, and cooking equipment. For solar design, he does medium voltage design, relay design, DC feeder sizing, DC fuse sizing, spring sizing, duct bank calculation, and pull calculations. For medium voltage designs, he completes protective relaying, MV equipment specifications, MV duct bank and cable ampacity calculations, and pole details.

Mr. Thoens' project experience includes design and project management of multi-discipline projects in various market sectors including: photovoltaic solar projects (ground mount, roof and carport designs); healthcare facilities; municipal facilities (fire houses, pumping stations); K-12 school projects; higher educational projects; office fit-outs; food processing facilities; retail including big box stores and super markets; warehouses/distribution facilities; multiple family residential projects; and mixed used buildings.

PROFESSIONAL EXPERIENCE

Norfolk Street Development - Newark, NJ

Project consisted of a podium building with 115 residential units and 50 parking spaces, parking/retail/lobby at grade level with four floors of wood construction above the steel frame/composite slab. Designed the electrical service for the facility consisting of 3,000 amp 208Y/120 volt service. Sized and specified a generator to provide backup power to elevators, fire alarms and some standby loads. Supervised junior staff in the design of lighting controls and circuiting of new lighting, HVAC equipment and receptacles.

Cannabis Cultivation Facility - Rocky Hill, CT

Project consisted of renovating an existing 40,000 square foot warehouse into an indoor cannabis cultivation facility. Designed the electrical service upgrade for the facility consisting of two 4,000 amp 480Y/277 volt services, both of which were fully backed up by generators which were sized and specified by Mr. Thoens. Designed the distribution and feeders for new HVAC equipment and supervised junior staff in the circuiting of new lighting and miscellaneous power.

New Children's Village Center Design - Doylestown, PA

Electrical engineer for the design for a new children's early education building will be constructed and consist of a two-story, slab-on-grade building for an approximate total area of 42,000 square feet. The new building will include classrooms, infant/toddler rooms, kitchen, teacher lounge, offices, bathrooms, storage and mechanical/electrical areas. Designed the electrical service for the facility consisting of a 1,200 amp 208y/120 volt service. Sized and specified a standby generator to provide backup power. Supervised junior staff in the design of lighting controls and circuiting of new lighting, HVAC equipment and receptacles and performed code review for the fire alarm system and located the fire alarm devices.



EDUCATION

B.E. Architectural Engineering Technology
Vermont Technical College



PROFESSIONAL REGISTRATIONS AND CERTIFICATIONS

Registered Professional Engineer: NJ,
CT, DE, GA, HI, MA, MD, NC, NH, NY,
OH, VA, VT

LEED Accredited Professional BD+C
(Building Design & Construction)



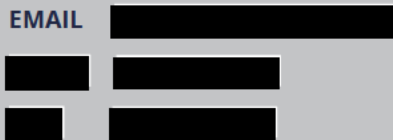
PROFESSIONAL ASSOCIATIONS

National Fire Protection Association
(NFPA)



CONTACT ME

EMAIL



Corporate Headquarters:

100 Franklin Square Drive, Suite 200
Somerset, NJ 08873

Lehigh Valley, PA Office:

(484) 274-6863

www.whitmanco.com



LAURENCE G. MURPHY, P.E.

Senior Project Manager



EDUCATION

B.S. Civil Engineering
Rutgers University – 1996



PROFESSIONAL REGISTRATIONS AND CERTIFICATIONS

Registered Professional Engineer: NJ



CONTACT ME

EMAIL

[REDACTED]

[REDACTED] -

PROFESSIONAL PROFILE

Mr. Murphy has 23 years of experience in the Civil Engineering industry focused on land development projects. He has extensive experience with small and large projects throughout the state of New Jersey. He has obtained a broad range of experience managing projects, navigating the complex Northeast permitting process, and establishing relationships with permitting agencies.

He has significant experience with projects requiring approvals from the New Jersey Department of Environmental Protection, Delaware and Raritan Canal Commission, and New Jersey Department of Transportation. He has developed extensive experience and technical abilities related to designing and solving stormwater management issues on project sites and designing compliant ADA site improvements.

As Senior Project Manager, Mr. Murphy's responsibilities include the preparation of site plans for land development, stormwater management plans, permitting plans, bid documents, inspecting and tracking construction progress, and providing expert testimony to planning/zoning boards.

PROFESSIONAL EXPERIENCE

Drew University – Madison, NJ

Designed site improvements for Tilghman House as part of the Tilghman House alterations including a plaza, walkways, ADA improvements and utilities.

South Orange Moderate Income Housing Corporation – South Orange Village, NJ

Designed site improvements for a building addition, covered walkways, walkways, screen walls, and an outdoor patio.

New Warehouse Site – South Brunswick, NJ

Designed site improvements for a 150,000 square feet of multi-tenant warehouse building with a stormwater management system including a wet basin.

The Parking Spot Airport Parking Facilities – Newark, NJ

Designed site improvements for multiple locations related to site access, revenue control systems, site circulation, additional parking lots, and parking lifts.

Volvo Car Dealership – Lawrenceville, NJ

Designed site improvements for building addition, new parking lot, and a vehicle drop-off vestibule including permeable pavers, colored pavement surfaces, buffering to neighbors, and a stormwater management system.

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Lehigh Valley, PA Office:

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HAYLEY WILLIAMS

Senior Electrical Engineer

PROFESSIONAL PROFILE

Ms. Williams joined Whitman in 2022. She has over 8 years of experience in the Electrical Engineering industry.

As a Senior Electrical Engineer, Ms. Williams works closely with her team to prepare electrical drawings and specifications, as well as perform electrical code reviews, arc flash/coordination studies, and field surveys to document the existing conditions for electrical and fire alarm systems.

Ms. Williams also will be inspecting completed MEP installations to ensure conformance to design and equipment specifications and compliance with American and international design standards.

Throughout her career, Ms. Williams has worked on numerous projects designing electrical systems for architectural buildings in science and academia, healthcare, and corporate offices through renovation or new construction projects, as well as maintaining work plans and monitoring progress of design, detailing, and drawing production throughout design phases to meet deadlines.

PROFESSIONAL EXPERIENCE

- Develop, design, and draft electrical power, control, fire alarm and lighting systems from schematics through construction administration
- Produce field site visit reports during pre-work surveys, active construction, and final punch listing
- Draft Single Line Diagrams for MEP and Solar projects
- Create SKM projects for short circuit and arc flash analysis



EDUCATION

B.S. Electrical Engineering - University of Delaware



PROFESSIONAL REGISTRATIONS AND CERTIFICATIONS

Fundamentals of Engineering

E.I.T. Certification



CONTACT ME

EMAIL

[REDACTED]

[REDACTED]

[REDACTED]

Corporate Headquarters:
100 Franklin Square Drive, Suite 200
Somerset, NJ 08873

Lehigh Valley, PA Office:
(484) 274-6863

www.whitmanco.com





Jason M. Delp, PE

Partner + Executive Vice President |
Director of Engineering

Areas of Expertise

- Security Systems
- Telecom/Datacom
- A/V Systems
- Access Control
- Intercom Systems
- Locking Systems
- Data Networks
- Infrastructure
- Detention Controls
- High Security Fit Out
- Video Surveillance System (VSS)
- Duress Alarms – Wired & Wireless
- Fire Alarm & Detection Systems
- Broad Band Voice/Data/Video
- Emergency Egress
- Security Commissioning
- Security Testing
- Specifications
- Pneumatic Controls
- Touch Screens
- Fiber Optic Systems
- Programmable Logic Controllers

Security Clearances

- Multiple Facility Security Clearances

Experience Summary

Mr. Delp has over 20 years of experience with PSE in consulting, design and engineering and project management for advanced systems including security systems, A/V, telecom, IT and technology, and for K-12, high education, government/agencies, and architectural firms throughout the nation. He has a diverse portfolio of new construction and renovation projects ranging from twenty-five thousand dollars to hundreds of millions of dollars. Many of the projects include knowledge of specialized and customized equipment requiring integration with existing technologies, and high-level construction administration, commissioning services, complex code issues, and building systems.

Education

- Dual B.S. Degree in Electrical Engineering and Computer Systems Engineering, Rensselaer Polytechnic Institute, NY

Registration/Certification

- Registered Professional Engineer: PA, DE, MD, NJ, NY, VA
- Construction Specifications Institute, Construction Documents Technologist Certification Exam

Key Experience

- Johnson & Johnson McNeil Consumer Healthcare Fort Washington, PA. conducted site visits to survey the perimeter of the facility which included the site perimeter, building service areas, vehicle loading docks, and pedestrian access to the buildings, building perimeters, child development center, treatment/pumping station, power substation, and parking areas.
- Hancock County EOC-9-1-1 Ctr/Health Dept Buildings, WV. Design, bidding, and construction administration for security systems, detention door hardware, and audio/visual systems.
- Pennsylvania Department of General Services (PA DGS), Harrisburg Capitol Complex, PA. Statewide facilities including Agricultural Building Labs (BSL3), comprehensive security assessment, planning, and design. Project included access control, video surveillance, facility hardening, vehicle barriers, and blast and ballistics protection.
- Central State Hospital, VA. Systems included door control, card access control, video surveillance, wireless duress, perimeter intrusion detection systems.
- Bergen County New Agency Building, NJ. Access control, electronic security, video surveillance, tele/data communications infrastructure, and audio/visual systems.
- University City Science Center, PA. Security survey, assessments, and design services services, audio/video (A/V) consulting and design.
- Prince William Judicial Center, VA. Security needs assessment of electronic security systems, networks, physical facility design impacting security, operations, and policies and procedures. Designs of security systems upgrade and Lobby Expansion.
- Rutherford Police Headquarters, NJ. Security systems, tele/data communications, audio/visual systems, and radio and dispatch infrastructure.



Thomas H. Pilson, IV

Partner + Vice President | Public Safety + Security

Areas of Expertise

- Security Assessment
- Intercom Systems
- Video Surveillance Systems, (VSS)
- Policies & Procedures
- Facility Expansion/ Programming
- Building & Perimeter Security
- Master Control
- Perimeter Detection Systems
- Security Evaluation & Surveys
- Detention Hardware
- Hardware Retrofit Technologies
- Control Panels
- PLC
- Disaster Mitigation Planning
- Project Management
- Security & Emergency Training
- Hazard Analysis
- Command & Control
- Disaster Management
- Life Safety Improvements
- Fire & Safety Evaluation
- Emergency Plan Evaluation & Development
- Design Build Project Delivery

Security Clearances

- Multiple Facility Security Clearances

Experience Summary

Mr. Pilson has over 25 years of distinguished service as a justice facilities administrator and a security consultant with specialization in security operations, force protection, physical security, risk mitigation, and electronic security technologies. His experience afforded him the opportunity to work closely with government officials, law enforcement, security professionals, architects, engineers, and State policy makers to provide security enhancements for numerous new constructions and expansions as part of physical building upgrades. His knowledge and expertise of physical security, digital security, perimeter detection, detention hardware, access control, video surveillance, and control room design is based on over two decades of providing practitioner's training, administration, consulting and design with operational experience.

Certification

- Certificates in Security Management & Homeland Security and Information Technology, University of Massachusetts

Key Experience

- Pennsylvania Department of General Services (PA DGS), Harrisburg Capitol Complex, PA. Statewide facilities including Agricultural Building Labs (BSL3), comprehensive security assessment, planning, and design. Project included access control, video surveillance, facility hardening, vehicle barriers, and blast and ballistics protection.
- Private Chemical Manufacturing Plant, NJ and CA. Conducted physical and electronic security assessment of this facility. Assessments included access and entry control, security monitoring and control, door monitoring, video surveillance, lighting, perimeter security, intrusion detection, security policy and procedures.
- Voltaix Chemical Manufacturer, Pennsylvania. Provided facility hardening analysis and compliance recommendations in regards to Homeland Security, Chemical Facility Anti-Terrorism Standards, and CFR requirements in regards to security, life safety, and cyber security of this large chemical manufacturing plant.
- Torrance State Hospital, PA. Assessments and design services for security camera upgrades.
- New Jersey State Prison, NJ. Security assessment and design workstations and set up, control panel operates standard shower doors, cell doors, group release, and lighting control.
- Coppin State University – Science and Technology Center, MD. Electronic security systems including video surveillance, access control, public safety, and intrusion detection.
- Morris County Correctional Facility, NJ. Electronic Security Control System Design. Included assessments intercom and paging system, door controls and monitoring, video surveillance, and control consoles.
- Cape May County New Correctional Facility, NJ. Provided design, engineering, and consulting services for security and communications for security systems and perimeter security design including IP Video Surveillance, network video recorders, central control, and IT/teledata. This new facility is the Command Center for county-wide security operations to act independently from the jail command center. The dual purpose of the facility is further defined by requiring two (2) separate command centers. One is dedicated to the correctional facility and the other serves the county wide security operations.



Daniel H. Broughton

Associate/Project Manager | Security Systems Engineer

Areas of Expertise

- Security Evaluation & Surveys
- Security Assessment
- Building Perimeter Security
- Master Control
- Hardware Retrofit
- Technologies
- Hazard Analysis
- Command & Control
- Infrastructure
- Electrical and Tele/Data Infrastructure
- Wireless Communications Layout
- Tele/Data Networking
- Video Surveillance System (VSS) & Paging
- Equipment Room Layout/Planning
- Inter-Building Connection Planning
- System Planning & Layout
- Life Safety/Fire Alarm
- Smoke Detection
- Fire Protection/Fire Suppression
- Emergency Egress Planning
- Fire Codes/NYC BC/IBC/UFC
- NFPA 80 Door Conformance
- High Rise Fire Evacuation
- Fire Safety Planning
- IT Network Support
- Design Build Project Delivery
- AutoCAD
- Revit
- Computer Software Applications

Security Clearances

- Multiple Facility Security Clearances

Society Memberships

- Philadelphia-Delaware Valley Chapter of the Society of Fire Protection Engineers
- South Jersey Chapter – (ASIS)

Experience Summary

Mr. Broughton is a mechanical engineer with a specialty concentration in integrated security systems engineering and electrical engineering. He has experience with infrastructure design for systems including physical and electronic security systems, tele/data, fire protection, life safety, and mission critical applications. He has been involved in many large-scale fire, life safety, emergency/9-1-1-electronics, and infrastructure designs throughout the United States performing engineering detailed investigations, assessments, surveys, evaluations, detailed research, and design drawing package preparation.

Education

- B. S. Mechanical Engineering/Minor Electrical Engineering
Drexel University, Philadelphia, PA
- A. S. Engineering, Burlington County College, Burlington, NJ

Registration/Certification

Professional Engineer (P.E.) NJ Exam passed October 2022, pending state board approval

Key Experience

- Pennsylvania Department of General Services (PA DGS), Harrisburg Capitol Complex, PA. Statewide facilities including Agricultural Building Labs (BSL3), comprehensive security assessment, planning, and design. Project included access control, video surveillance, facility hardening, vehicle barriers, and blast and ballistics protection.
- Philadelphia Public Safety Services Buildings, PA. New co-location for the Philadelphia Police Department headquarters, the Medical Examiner's Office and the Morgue, and the Department of Public Health Laboratories. Communication, public safety, and security services including duress alarm design and integration.
- Trenton Psychiatric Hospital, NJ. Security access control and video surveillance systems upgrades.
- Dayton Ave. Educational Campus, NJ. IT services, communications, security, education technology, and audio/visual system.
- VA NJ Health Care System, East Orange, NJ. Security access control and video surveillance systems upgrades.
- VA NJ Health Care System, Lyons, NJ. Security access control and video surveillance systems upgrades.
- Bergen County Justice Center, NJ. Electronic security, video surveillance, card access control, door hardware, tele/data communications infrastructure, and A/V systems.
- Cape May County New Correctional Facility, NJ. Provided design, engineering, and consulting services for security and communications for security systems and perimeter security design including IP Video Surveillance, network video recorders, central control, and IT/teledata. This new facility is the Command Center for county-wide security operations to act independently from the jail command center. The dual purpose of the facility is further defined by requiring two (2) separate command centers. One is dedicated to the correctional facility and the other serves the county wide security operations.



Cory Zheng

Security Systems Designer

Areas of Expertise

- Security Evaluation & Surveys
- Security Assessment
- Security Systems
- Intercom Systems
- Security Engineering
- Security Systems Networks
- Control Systems
- Video Surveillance System (VSS)
- Physical Security
- Electronic Security
- Paging Systems and Background Music
- Synchronized Clock and Bell Systems
- Audio/Visual/Video Communications
- System Planning & Layout
- Duress Alarm Systems
- PLC Controls
- Electronic Perimeter Security
- Perimeter Security Intrusion Prevention
- Teleconferencing, Audio
- Fiber Optic and Copper Structured Cabling Systems
- Telecommunications
- A/V Systems
- Access Control
- AutoCAD
- Mobile Maps
- Educational Technology

Security Clearances

- Multiple Facility Security Clearances

Experience Summary

With five years of experience in PSE, Mr. Zheng is an electrical engineer who specializes in designing physical and electronic security systems for complex governmental and corrections/justice/courts. He is skilled in conducting surveys and assessments, researching and designing, writing technical reports, and managing day-to-day activities. As a member of the PSE design team, he is responsible for creating drawings and delivering documents for multiple projects.

Education

- B.S. in Electrical Engineering, Drexel University, Philadelphia, PA

Key Experience

- Kingstowne Consolidated Facility- County Police and Governmental Center security consulting & engineering included control and monitoring, access control system, video surveillance, and duress.
- Perth Amboy High School, NJ. Provided IT services, communications, security, education technology, and audio/visual systems.
- 16th Circuit Court, Jackson County Family Justice Center, MO. Site security, risk and vulnerability report and recommended modifications to the video surveillance and access control systems, and upgrades of detention hardware.
- Prince William County Judicial Center, VA. Security Assessment and security systems upgrade design services..
- New Jersey State Prison, NJ. Security Assessment workstations and set up, control panel operates standard shower doors, cell doors, group release, and lighting control.
- Central State Hospital, VA. Systems included door control, card access control, video surveillance, wireless duress, perimeter intrusion detection systems.
- Morris County Correctional Facility, NJ. Electronic Security Control System Design intercom and paging system, door controls & monitoring, video surveillance, & control consoles.
- Bergen County Justice Center, NJ. Electronic security, tele/data communications infrastructure, and A/V systems.
- Delaware Department of Correction, James T. Vaughn Correctional Center, DE. Perimeter security fence study.
- Delaware Department of Correction, Howard R. Young Correctional Institution, DE. Perimeter security fence study.
- NYS OGS, Sing Sing Correctional Facility, NY. Site security and electronic security systems for perimeter fencing, perimeter detection systems, door/gate control, video surveillance, and wired and wireless duress.
- NYS OGS, Auburn Correctional Facility and Great Meadows Correctional Facility, NY. Design of facility-wide CCTV and audio monitoring system.



KEY TEAM MEMBER PROJECT EXPERIENCE DATA SHEET

NAME ROYA TAHERI
 TITLE PRESIDENT
 FIRM TAHERI ARCHITECTURE, INC.

PROJECT TITLE LOCATION AND TOTAL CONSTRUCTION COST OR FEE	NAME OF RECORD FOR THIS REFERENCED PROJECT	SPECIFIC TYPE OF WORK EXPERIENCE (STUDY, SCHEMATIC, CONSTRUCTION ADMINISTRATION)	TEAM MEMBERS SPECIFIC ROLE OR TITLE ON THE REFERENCED PROJECT	DURATION OF TEAM MEMBER'S INVOLVEMENT OF THE REFERENCED PROJECT (IN MONTHS)	% OF TIME DURING DURATION BASED UPON A 40 HOUR WEEK	DATES OF THE TEAM MEMBER'S INVOLVEMENT IN THE REFERENCED PROJECT	CLIENT NAME CONTRACT PERSON AND PHONE NUMBER
Delaware County New Stockpile Facility for PennDOT, Concordville, PA, \$7.1 million	Taheri Architecture, Inc.	Architectural Design, Construction Bid Documents supervision, Permit, CA	Project Manager, Designer	24 (Pandemic related extension of construction completion)	20%	July 2018 to present	PA Department of General Services, Project Manager Mr. James Tomasello, PE, (██████████)
Major Additions & Renovations at Motivation High School & Penrose Elementary School, Philadelphia, \$11 Million	The Gibson Tarquini Group, Inc.	Architectural Design, Construction Bid Documents supervision, Permit package prep/submission	Project Manager, Designer	14	30%	December 2005 to December 2006	School District of Philadelphia, PSIT former Project Manager: Mr. John Ritter. (██████████)
Lakeside Middle School Core Facility Additions, Millville, NJ \$ 14.2 Million	The Gibson Tarquini Group, Inc.	Bid Documents supervision, Permit, Construction Contract Administration, Site Observation	Project Manager	10	30%	January 2006 to November 2006	Millville School District Mr. Steven Price, Principal (██████████)
Burlington City Municipal Services Building, NJ \$ 4.1 Million	The Gibson Tarquini Group, Inc.	Architectural Design, Construction Bid Documents supervision, Permit, CA	Project Manager, Designer	12	30%	2003	City of Burlington David W. Thompson, BA (██████████)
High-Arch Gambrel Salt Storage Building Gladwyne, PA \$760,000	Taheri Architecture, Inc.	Architectural Design, Construction Bid Documents supervision, Permit, CA	Project Manager, Designer	12	25%	November 2014 to October 2016	PA Department of General Services, PennDOT Mr. Frank Blasick, Transportation Facility Administrator (██████████)
High-Arch Gambrel Salt Storage Building, Betsy Ross, Philadelphia \$ 860,000	Taheri Architecture, Inc.	Architectural Design, Construction Bid Documents supervision, Permit, CA	Project Manager, Designer	12	25%	November 2014 to October 2016	PA Department of General Services, PennDOT Transportation Facility Administrator 1, Mr. Frank (██████████)
Camden County Technical Schools Science and Horticultural Center, NJ \$ 10.5 Million	The Gibson Tarquini Group, Inc.	Architectural Design, Construction Bid Documents supervision, Permit	Project Manager, Designer	12	25%	2005 to December 2006	CCTS; Mr. Dino Acevedo, Facility Management (██████████)

* A KEY TEAM MEMBER IS A TECHNICAL OR MANAGEMENT PERSON DEVOTING 20% OR MORE OF THEIR TIME TO ANY PHASE OF THE PROJECT



KEY TEAM MEMBER PROJECT EXPERIENCE DATA SHEET

NAME MASSOUD MOHADJERI

TITLE PRINCIPAL

FIRM TAHERI ARCHITECTURE, INC.

PROJECT TITLE: LOCATION: AND TOTAL CONSTRUCTION COST OR FEE:	AVE OF RECORD FOR THIS REFERENCED PROJECT:	SPECIFIC TYPE OF WORK EXPERIENCE (STUDY, SCHEMATIC, CONSTRUCTION ADMINISTRATION)	TEAM MEMBERS SPECIFIC ROLE OR TITLE ON THE REFERENCED PROJECT:	DURATION OF TEAM MEMBER'S INVOLVEMENT OF THE REFERENCED PROJECT (IN MONTHS)	% OF TIME DURING DURATION BASED UPON A 40 HOUR WEEK:	DATES OF THE TEAM MEMBER'S INVOLVEMENT IN THE REFERENCED PROJECT:	CLIENT NAME CONTRACT PERSON AND PHONE NUMBER:
Allaire Park Campground New Sanitary Facility, Farmingdale, Monmouth County, N.J \$1.4 Million	Taheri Architecture, Inc.	Architectural Design, Construction Bid Documents supervision, Permit package, CA	Project Manager, Designer	26	20%	June 2021 to present in the middle of CA phase	NJ DPMC Mr. Gary Cardone Project Manager (██████████)
Eastern Camden County Regional High School, Additions & Renovations, Voorhees, NJ \$7.9 Million	The Gibson Tarquini Group, Inc.	Design, Bid Documents supervision, Permit, Construction Contract Administration, Site Observation	Project Manager, Designer	8	20%	2013	Eastern Camden County Regional High School BOE, Mr Fred Wright, former BA, (██████████)
Additions & Renovations at Cherokee High School, Evesham Twp, NJ South: \$25.2 Mil, N: \$ 2.4 Mil	The Gibson Tarquini Group, Inc.	Design, Bid Documents supervision, Permit, Construction Contract Administration, Site Observation	Project Manager, Designer	South: 18, North: 10	30% 20%	2000-2001, 2005 to August 2006	Lenape Regional High School District Mr. Anthony Vairo, Director of Buildings (██████████)
Methodist Home for Children, Capital Needs Assessment, ADA/ Toilet Rooms Renovations \$ 6.1 Million	Taheri Architecture, Inc.	Feasibility Study, Architectural Design, Construction Bid Documents supervision,	Project Manager, Designer	5	20%	2019-2020	Ms. Anne Rice Burgess, President & CEO, Methodist Home for Children (██████████)
Gymnasium Renovation and Misc. Upgrade, Cheltenham High School, Wyncote, PA \$4.8 Million	Taheri Architecture, Inc.	Architectural Design, Construction Bid Documents supervision, Bidding	Project Manager, Designer	4	30%	4-7 2017	Cheltenham Twp. School District Dr. Ray Bavi former Director of Facilities & Maintenance, (██████████)
Renovations at Water Gap Welcome Center, Monroe County, PA \$ 3.1 Million	Taheri Architecture, Inc.	Architectural Design, Construction Bid Documents supervision, Permit, CA	Project Manager, Designer	14	30%	August 2017 to June 2018	PA Department of General Services, PennDOT Mr. Paul Hadjinske, PE Design Project Manager (██████████)

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KEY TEAM MEMBER PROJECT EXPERIENCE DATA SHEET

NAME Laurence Murphy, P.E.

TITLE Senior Project Manager

FIRM Whitman

PROJECT TITLE LOCATION AND TOTAL CONSTRUCTION COST OR FEE	A/E OF RECORD FOR THIS REFERENCED PROJECT	SPECIFIC TYPE OF WORK EXPERIENCE (STUDY, SCHEMATIC, CONSTRUCTION ADMINISTRATION)	TEAM MEMBERS SPECIFIC ROLE OR TITLE ON THE REFERENCED PROJECT	DURATION OF TEAM MEMBER'S INVOLVEMENT OF THE REFERENCED PROJECT (IN MONTHS)	% OF TIME DURING DURATION BASED UPON A 40 HOUR WEEK	DATES OF THE TEAM MEMBER'S INVOLVEMENT IN THE REFERENCED PROJECT	CLIENT NAME CONTRACT PERSON AND PHONE NUMBER
BMI Educational Programs South Brunswick, NJ (\$1,000,000)	Laurence Murphy	Site Plan, Stormwater Management, Paving	Project Manager	36	5%	2020-2023	Russ Wagner [REDACTED]
BMI Educational Programs South Brunswick, NJ (\$2,000,000)	Laurence Murphy	Site Plan, Stormwater Management, Paving	Project Manager	60	5%	2014-2019	Russ Wagner [REDACTED]
255 Nassau Street Princeton, NJ (\$5,000,000)	Laurence Murphy	Site Plan, Stormwater Management, Paving	Project Manager	72	5%	2011-2017	Linda Fahmie 6 [REDACTED] 0
Roxy High Rise Residential Building Jersey City, NJ	Laurence Murphy	Site Plan, Stormwater Management, Paving	Project Manager	24	10%	2016-2018	David Roth [REDACTED]
EPV 276 Bakers Basin Road Lawrenceville, NJ	Laurence Murphy	Site Plan, Stormwater Management, Paving	Project Manager	48	5%	2012-2016	James Britton [REDACTED]
Volvo Car Dealership Lawrenceville, NJ	Laurence Murphy	Site Plan, Stormwater Management, Paving	Project Manager	24	10%	2016-2018	Marc Pare [REDACTED]
Chemspace, South Brunswick, NJ	Laurence Murphy	Site Plan, Stormwater Management, Paving	Project Manager	24	10%	2021-2023	[REDACTED]

KEY TEAM MEMBER PROJECT EXPERIENCE DATA SHEET

NAME Hayley Williams

TITLE Senior Engineer

FIRM WHITMAN

PROJECT TITLE LOCATION AND TOTAL CONSTRUCTION COST OR FEE	A/E OF RECORD FOR THIS REFERENCED PROJECT	SPECIFIC TYPE OF WORK EXPERIENCE (STUDY, SCHEMATIC, CONSTRUCTION ADMINISTRATION)	TEAM MEMBERS SPECIFIC ROLE OR TITLE ON THE REFERENCED PROJECT	DURATION OF TEAM MEMBER'S INVOLVEMENT OF THE REFERENCED PROJECT (IN MONTHS)	% OF TIME DURING DURATION BASED UPON A 40 HOUR WEEK	DATES OF THE TEAM MEMBER'S INVOLVEMENT IN THE REFERENCED PROJECT	CLIENT NAME CONTRACT PERSON AND PHONE NUMBER
Nubis Expansion New Providence, NJ (Fee = \$31,500)	Signature Acquisitions LLC	Permit & Construction Decouments	Electrical Engineer	15%	5	April 2023 to July 2023	Richard [REDACTED]
Rutgers Emergency Lighting New Brunswick, NJ (Fee = 22,500)	Rutgers University	Construction Documents	Electrical Engineer	10%	3	May 2023 to July 2023	Pinky Samat [REDACTED]
Ironside Tenant Fitout 2nd Floor Newark, NJ (Fee = \$7,000)	Edison Properties	Construction Documents & Construction Administration	Electrical Engineer	10%	2	June 2023 to July 2023	Manny Pena [REDACTED]

* A KEY PERSON / TEAM MEMBER IS A TECHNICAL OR MANAGEMENT PERSON DEVOTING 20% OR MORE OF THEIR TIME TO ANY PHASE OF THE PROJECT

KEY TEAM MEMBER PROJECT EXPERIENCE DATA SHEET

NAME Jeffrey Thoens, P.E., LEED A.P. BD+C

TITLE Director of Engineering

FIRM WHITMAN

PROJECT TITLE, LOCATION AND TOTAL CONSTRUCTION COST OR FEE	DATE OF RECORD FOR THIS REFERENCED PROJECT	SPECIFIC TYPE OF WORK EXPERIENCE (STUDY, SCHEMATIC, CONSTRUCTION ADMINISTRATION)	TEAM MEMBER'S SPECIFIC ROLE OR TITLE ON THE REFERENCED PROJECT	DURATION OF TEAM MEMBER'S INVOLVEMENT OF THE REFERENCED PROJECT (IN MONTHS)	% OF TIME DURING DURATION BASED UPON A 40 HOUR WEEK	DATES OF THE TEAM MEMBER'S INVOLVEMENT IN THE REFERENCED PROJECT	CLIENT NAME, CONTRACT PERSON AND PHONE NUMBER
Assunpink Wildlife Management Center West Freehold, NJ (Fee = \$99,000)	JRS Architects	Construction Documents	Electrical Engineer	8	10%	June 2013 to September 2019	Fran Consoli (██████████)
Rutgers University Medical Science Building Fire Alarm Replacement Newark, NJ (Fee = \$80,000)	Rutgers University	Engineering, Design and Construction Documents	Electrical Engineer	5	10%	December 2015 to May 2016	Matthew Peterson (██████████)
New Horizons School Community Charter School Addition Newark, NJ (Fee = \$420,000)	RSC Architects	Construction Documents	Electrical Engineer	8	20%	May 2014 to September 2016	Steve Botbyl (██████████)
Estell Manor School HVAC Upgrade Estell Manor, NJ (Fee = \$72,800)	FVHD	Construction Documents	Electrical Engineer	10	10%	Januray 2015 to October 2015	John Veisz (██████████)
Englewood Firehouse Englewood, NJ (Fee = \$123,000)	RSC Architects	Construction Documents	Electrical Engineer	8	10%	November 2014 to March 2015	Steve Botbyl (██████████)
The Research Collections and Preservation Consortium (ReCAP) Module 8 and 9 Princeton, NJ (Fee = \$83,0000)	KSS Architects	Engineering, Design, Construction and Administration	Electrical Engineer and Project Manager	24	20%	January 2010 to January 2012	Scot Murdoch (██████████)
New Fulton Fish Market Hunts Point NY (Fee = \$120,0000)	Cybul and Cybul Architects	Engineering, Design, Construction and Administration	Electrical Engineer and Project Manager	36	40%	January 2002 to January 2004	John Artuse (██████████)

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KEY TEAM MEMBER PROJECT EXPERIENCE DATA SHEET

NAME Daniel H. Broughton
 TITLE Systems Designer
 FIRM Professional Systems Engineering, LLC

PROJECT TITLE LOCATION AND TOTAL CONSTRUCTION COST OR FEE	AVE OF RECORD FOR THIS REFERENCED PROJECT	SPECIFIC TYPE OF WORK EXPERIENCE (STUDY, SCHEMATIC, CONSTRUCTION, ADMINISTRATION)	TEAM MEMBER'S SPECIFIC ROLE OR TITLE ON THE REFERENCED PROJECT	DURATION OF TEAM MEMBER'S INVOLVEMENT OF THE REFERENCED PROJECT (IN MONTHS)	% OF TIME DURING DURATION BASED UPON A 40 HOUR WEEK	DATES OF THE TEAM MEMBER'S INVOLVEMENT IN THE REFERENCED PROJECT	CLIENT NAME CONTRACT PERSON AND PHONE NUMBER
Pennsylvania Department of General Services Capitol Complex & Police Command Center, Harrisburg, PA \$9.6 Million	Professional Systems Engineering, LLC	Security Systems Assessments and Upgrade, Door Control & Video Surveillance, Communications, Life Safety	Systems Designer	84	40%	2012-2019	Mr. David E. Goodling, PE Division of Facilities and Property Management Department of Human Services Bureau of Administrative Services (██████████)
Philadelphia Public Safety Services Buildings, Philadelphia, PA \$161 Million	Professional Systems Engineering, LLC	Security, tele/data, and police technologies, Assessments, engineering and design services	Systems Designer	18	50%	2014-2016	Mr. Pedro Pinto, PE Project Manager - Public Safety Director Philadelphia PD - Capitol Projects ██████████
Dayton Ave. Educational Campus, Passaic, NJ \$163 Million	RSC Architects	IT services, communications, security, education technology, and audio/visual system	Systems Designer	24	30%	2017-2022	Mr. Jeff Schlecht RSC Architects ██████████
VA NJ Health Care System, East Orange, NJ. \$4.5 Million	Northeast Infrastructure, LLC.	Security access control and video surveillance systems upgrades	Systems Designer	24	40%	Ongoing	Thomas J. Skarbez, P.E. Northeast Infrastructure, LLC. ██████████
Trenton Psychiatric Hospital, Trenton, NJ \$1.5 Million	Professional Systems Engineering, LLC	Security video surveillance systems upgrades	Project Manager	Ongoing	40%	Ongoing	Darren Comegys, Design Manger - DPMC ████████████████████

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KEY TEAM MEMBER PROJECT EXPERIENCE DATA SHEET

NAME Thomas H. Pilson, IV

TITLE Partner + V.P./Security Consultant

FIRM Professional Systems Engineering, LLC

PROJECT TITLE, LOCATION AND TOTAL CONSTRUCTION COST OR FEE	AGE OF RECORD FOR THIS REFERENCED PROJECT	SPECIFIC TYPE OF WORK EXPERIENCE (STUDY, SCHEMATIC, CONSTRUCTION ADMINISTRATION)	TEAM MEMBER'S SPECIFIC ROLE OR TITLE ON THE REFERENCED PROJECT	DURATION OF TEAM MEMBER'S INVOLVEMENT OF THE REFERENCED PROJECT (IN MONTHS)	% OF TIME DURING DURATION BASED UPON A 40 HOUR WEEK	DATES OF THE TEAM MEMBER'S INVOLVEMENT IN THE REFERENCED PROJECT	CLIENT NAME CONTRACT PERSON AND PHONE NUMBER
Pennsylvania Department of General Services Capitol Complex & Police Command Center, Harrisburg, PA \$9.6 Million	Professional Systems Engineering, LLC	Security Systems Assessments and Upgrade, Door Control & Video Surveillance, Communications, Life Safety	Project Manager	84	65%	2012-2019	Mr. David E. Goodling, PE Division of Facilities and Property Management Department of Human Services Bureau of Administrative Services [REDACTED]
New Jersey State Prison- Trenton, NJ. \$320K	Professional Systems Engineering, LLC	Security Assessment, Security Systems Control Panel Upgrades	Security Systems Design Engineer	Ongoing	40%	2021-Ongoing	NJSP/DOC [REDACTED]
Cape May County, New Jersey Correctional Facility, Cape May, NJ \$40 Million	TranSystems (Formerly L.R. Kimball)	Security Electronics Security Control Access Control Door Control & Video Surveillance	Project Manager	42	30%	2013- 2016	Cape May County Ms. Annmarie [REDACTED]
Torrance State Hospital, Torrance, PA \$1.85 Million	Professional System Engineering, LLC	Security Camera Upgrades	Sr. Security Engineer Consultant	Ongoing	10%	2020-Ongoing	Michael J. Appley PA DGS [REDACTED]
Coppin State University – Science and Technology Center, Baltimore, MD \$75 Million	Professional Systems Engineering, LLC	Electronic security systems including video surveillance, access control, public safety, and intrusion detection.	Sr. Security Consultant	24	10%	2014-2016	Mr. Richard F. Williams, AIA Cannon Design [REDACTED]

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KEY TEAM MEMBER PROJECT EXPERIENCE DATA SHEET

NAME Jason M. Delp, PE

TITLE Partner + Executive Vice President

FIRM Professional Systems Engineering, LLC

PROJECT TITLE LOCATION AND TOTAL CONSTRUCTION COST OR FEE	NAME OF RECORD FOR THIS REFERENCED PROJECT	SPECIFIC TYPE OF WORK EXPERIENCE (STUDY, SCHEMATIC CONSTRUCTION ADMINISTRATION)	TEAM MEMBER'S SPECIFIC ROLE OR TITLE ON THE REFERENCED PROJECT	DURATION OF TEAM MEMBER'S INVOLVEMENT OF THE REFERENCED PROJECT (IN MONTHS)	% OF TIME DURING DURATION BASED UPON A 40 HOUR WEEK	DATES OF THE TEAM MEMBER'S INVOLVEMENT IN THE REFERENCED PROJECT	CLIENT NAME-CONTRACT PERSON AND PHONE NUMBER
Pennsylvania Department of General Services Capitol Complex & Police Command Center, Harrisburg, PA \$9.6 Million	Professional Systems Engineering, LLC	Security Systems Assessments and Upgrade, Door Control & Video Surveillance, Communications, Life Safety	Sr. Security Engineer C	84	25%	2012-2019	Mr. David E. Goodling, PE Division of Facilities and Property Management Department of Human Services Bureau of Administrative Services
Hancock County EOC-9-1-1 Ctr/Health Dept Buildings, New Cumberland, West Virginia \$3.4 Million	TranSystems (Formerly L.R. Kimball)	Design, bidding, and construction administration for security systems, detention door hardware, and audio/visual systems.	Security Engineer	9	30%	2012-2013	Tom Ziemsky Hancock County Exec. Director of Technology
University City Science Center, Philadelphia, PA, \$950K	Professional Systems Engineering, LLC	Security survey, assessments, and design services services, audio/video (A/V) consulting and design.	Sr. Security Engineer	24	20%	2014-2019	Ms. Jennifer Grega Sr. Property Manager University City Science Center
Central State Hospital, Richmond, VA. \$235 Million	Professional System Engineering, LLC	Systems included door control, card access control, video surveillance, wireless duress, perimeter intrusion detection systems.	Project Manager	Ongoing	40%	Ongoing	Eric Kern Page ()
Bergan County New Agency Building, Hackensack, NJ \$45 Million	RSC Architects	Security Systems Designs, IT Data Communications Infrastructure	Project Manager	48	20%	2013-2017	Mr. Jeff Schlecht RSC Architects ()

KEY TEAM MEMBER PROJECT EXPERIENCE DATA SHEET

NAME Cory Zheng

TITLE Security Systems Designer

FIRM Professional Systems Engineering, LLC

PROJECT TITLE, LOCATION AND TOTAL CONSTRUCTION COST OR FEE	DATE OF RECORD FOR THIS REFERENCED PROJECT	SPECIFIC TYPE OF WORK EXPERIENCE (STUDY, SCHEMATIC, CONSTRUCTION ADMINISTRATION)	TEAM MEMBER'S SPECIFIC ROLE OR TITLE ON THE REFERENCED PROJECT	DURATION OF TEAM MEMBER'S INVOLVEMENT OF THE REFERENCED PROJECT (IN MONTHS)	% OF TIME DURING DURATION BASED UPON A 40 HOUR WEEK	DATES OF THE TEAM MEMBER'S INVOLVEMENT IN THE REFERENCED PROJECT	CLIENT NAME CONTRACT PERSON AND PHONE NUMBER
New Jersey State Prison, Trenton, NJ. \$615K	Professional System Engineering, LLC	Security assessment and design workstations and set up, control panel operates standard shower doors, cell doors, group release, and lighting control.	Security Systems Designer	21	40%	2021-2022	Richard Herrero, DPMC. (██████████)
Morris County Correctional Facility, Morris Township, NJ	USA Architects	Electronic Security Control System Design intercom and paging system, door controls & monitoring, video surveillance, & control consoles.	Security Systems Designer	7	30%	2021	Sergeant Shawn Johnston Morris County Sheriff's Office Bureau of Corrections (██████████)
Kingstown Consolidated Facility	Grimm + Parker	Security Systems Designs	Security Systems Designer	Ongoing	40%	2020-Ongoing	Rick Morrison Grimm + Parker (██████████)
Central State Hospital, Richmond, VA. \$235 Million	Professional System Engineering, LLC	Systems included door control, card access control, video surveillance, wireless duress, perimeter intrusion detection systems.	Security Systems Designer	Ongoing	20%	2019-Ongoing	Eric Kern Page (██████████)
Perth Amboy High School, Perth Amboy, NJ \$238.8	RSC Architects	IT services, communications, security, education technology, and audio/visual systems	Security Systems Designer	Ongoing	40%	2019-Ongoing	Mr. Jeff Schlecht RSC Architects (██████████)

* A KEY TEAM MEMBER IS A PERSON WITH A CRITICAL ROLE IN THE PROJECT AND/OR DEVOTING 20% OR MORE OF THEIR TIME TO ANY PHASE OF THE PROJECT

FIRM NAME	KEY PERSONNEL & TITLE	SCHMATIC DESIGN PHASE	DESIGN DEVELOPMENT PHASE	FINAL DESIGN PHASE	PERMIT APPLICATION PHASE	BIDDING AND CONTRACT AWARD	CONSTRUCTION PHASE	PROJECT CLOSE OUT PHASE	HOURLY WAGE LEVEL 1-7
TAHERI ARCHITECTURE, INC.	ROYA TAHERI, PHD, AIA, LEED AP, PRESIDENT	15%	10%	10%	8%	5%	5%	5%	7
TAHERI ARCHITECTURE, INC.	MASSOUD MOHADJERI, AIA, PP, PRINCIPAL	20%	20%	20%	15%	10%	20%	10%	6
Whitman	Jeffrey Thoens, PE, LEED AP BD+C Director of Engineering	10%	10%	10%	5%	5%	5%	5%	5
Whitman	Laurence Murphy, PE Senior Project Manager (Civil Engineering)	10%	10%	10%	5%	5%	5%	5%	5
Whitman	Hayley Williams Senior Electrical Engineer	20%	20%	20%	5%	5%	10%	5%	4
Professional Systems Engineering, LLC	Jason M. Delp, PE - Partner + Executive Vice President	10%	10%	10%	20%	10%	10%	5%	7
Professional Systems Engineering, LLC	Daniel Broughton - Associate/Project Manager Security Systems Designer	30%	30%	30%	20%	20%	25%	20%	5
Professional Systems Engineering, LLC	Thomas H. Pilson, IV - Partner + Vice President	20%	20%	15%	5%	5%	10%	5%	7
Professional Systems Engineering, LLC	Cory Zheng - Security Systems Designer	30%	40%	50%	20%	20%	25%	20%	3

INSERT THE WAGE LEVEL FROM 1 TO 7 OF EACH KEY PERSON. **DO NOT** INSERT ANY HOURLY RATE



F. Project Approach

1. PROJECT BACKGROUND:

The New Jersey Public Health, Environmental and Agricultural Laboratory (PHEAL) is a five story steel framed building that houses the Department of Health and the Department of Agriculture's laboratories.

The PHEAL is seeking an upgrade of its building security systems, emphasizing modernization/update/replacement of current hardware and software, protocols and biometric components.

Opened in May 2011, the facility (PHEAL) is a 191,000 sf building comprised of 157,000 sf of open laboratory space, with the Department of Health as its largest tenant followed by the Department of Agriculture. Department of Environmental Protection is the smallest tenant in the building with its Bureau of Air Monitoring, Pesticide Evaluation and Monitoring offices.

Department of Health (DOH) services within the facility include Public Health Laboratory Services (PHLS), Environmental Chemical Laboratory Services (ECLS), Office of Policy, Planning and Regulatory Compliance (OPPRC) and the Clinical Laboratory Improvement Services (CLIS).

Department of Agriculture Laboratory Services within the facility includes Animal Health Laboratory Services and Plant Industry Laboratory Services.

Due to malfunctioning of the security system with some of the BSL-3 laboratories and air lock systems, the facility has had its challenges. Personnel have gotten stuck in these areas and had to be released via manual override. Biosafety levels (BSL) are used to identify the protective measures needed in a laboratory setting to protect workers, the environment, and the public. The four biosafety levels are BSL-1, BSL-2, BSL-3, and BSL-4, with BSL-4 being the highest (maximum) level of containment. There are no BSL-4 laboratories at the PHEAL Lab.

Available building design documents and existing studies provided to the Taheri Architecture to assist the Team in designing the security upgrades consist of the following:

- 2022 Project A1359-00, Assessment Study of Security Program & Physical Protection Systems at PHEAL by Gannet Fleming.
- 2019 Project A1246-01, Tenant Fit-out Drawings DEPs BAM/PEM (Record Set 10/15/2019) by HDR Architects/Engineers P.C.
- 2011 Project A0984-04 PHEAL Drawings (Record Set 1/28/2011) by HOK (Hellmuth, Obata & Kassabaum, Inc.)

2. PROJECT NEEDS/ GOALS & OBJECTIVES:

The existing Security System has outlived its useful service life. Therefore, it is goal of the DOH and PHEAL to provide new, upgraded, security devices and infrastructure to protect the lab workers, the environment and the public. Taheri Architecture Team aspires to achieve the following Goals & Objectives in our approach.

- Remove existing chain barrier on the fire lane and replace with an upgraded hardened barrier such as a rolling gate/ fencing which can be opened and closed remotely from Security booth and/or manually overridden;
- Address security at three openings in the building:
 - a. **Second floor** - service corridor at end of BSL3 laboratory entryways. A door and frame must be installed to close off the BSL3 laboratories in the service corridor (**Doorway L286**). This door will require a biometric or other upgraded reader for ultra-security purposes and compatible with all other BSL3 readers.
 - b. **First Floor** - Double door set with crash bars in the DOH Accessioning Hallway (**Doorway 1C85**). These doors have a card reader with an alarm if passage is gained through without proper credentials. However, admitting passage without the credentials is the problem. The doors need to be secured /hardened, as violators may easily trespass into the lab proper and be up the stair or take the elevator to another floor before Security can even investigate.
 - c. **First Floor** -In the Agricultural BSL3 Laboratory, evaluate the **door lockset** at the locker room/ shower for proper functioning. We need to ascertain locking consistency (this may require simply replacing the locking hardware).



- Restore & refinish adjacent surrounding surfaces as related to above doors installation/ repairs;
- Electrical Upgrade to include:
 - a. Infrastructure Cabling **upgrade from CAT5 to CAT6** for all security systems, i.e. card readers and surveillance cameras (e.g., from device to panel);
 - b. Front Desk Security display upgrade and CLOUD recordings for all movement detected via readers and cameras.
- Electronic Safety and Security Upgrades to include:
 - a. Replacement of **16 aged biometric readers** access control devices, requiring an ID swipe plus a fingerprint for the DOH and Agriculture BSL3 laboratories. These upgraded system devices would be heightened over and above the established readers/access mechanisms throughout the rest of the laboratory, with an incorporated technology compatible with the new software/cloud environment.
 - b. Replacing the PHEAL's **95 card readers**. These upgraded card readers would be integrated to comply with the new software/cloud environment.
 - c. Replacing the PHEAL's **64 cameras** and providing **16 new cameras** (interior and exterior), identified as necessary in the GF report for increased security coverage.
 - d. In addition, **5 closed circuit cameras** in the DOH BSL3 are to be replaced with digital and added to the general circuit of proposed 64+ cameras so Front Desk Security can view activity on any and all cameras. So, in total all existing cameras (64+5) are being removed and 85 digital cameras are being installed.
- A Hybrid Security Control System
 - a. The DOH is seeking a hybrid system with the readers and cameras reporting to a vendor-hosted control plane in an ISO27001-compliant cloud environment and accessed/repaired/maintained remotely (as applicable).
 - b. The DOH seeks to have a solution that allows control to fail-over to a local, on-premises server for the building's readers and cameras that also provides the ability for designated DOH staff to administer the system in the event of a network outage or situation where the cloud control plan is unavailable. A local back-up Server.
 - c. The DOH seeks to have the CLOUD company that also provides maintenance and repair to this back-up server, including all software updates, hardware, etc. The video recording should be able to be saved/accessed/retrieved on and from the CLOUD for a period of time compliant with CDC requirements.
 - d. The DOH will identify which readers/cameras will be stored on a local server. All on-premises components are to be network-isolated from the user/production network on a separate VLAN and Security Zone through the guidance of the DOH Information Security Office.
 - e. With consultation upon discussion/interview with Lab staff, Taheri Architecture Team will develop Specifications for the security system including the CLOUD based and locally stored components/information. These specs are what DOH/Treasury should use to market for Treasury approved Vendor's reply. Included will be that the CLOUD company has remote capability but also "boots on the ground" in the event that physical repairs/maintenance are needed to both the CLOUD and Local aspects of the system. The CLOUD company would also perform the installation, be required to provide needed hardware, training, and on-going support.
- Exterior Improvements to include:
 - a. A vehicle guide rails at the gate on the exit side.
 - b. Replacement and upgrade of the barrier & gate with a hardened barrier such as a rolling gate/fencing controlled remotely from Security Booth with manual override.
 - c. Provide a Lock Box as a means of access by the new Hard Gate/ Fence for Emergency Vehicle Access.



3. SECURITY UPGRADE APPROACH:

PHEAL needs to upgrade physical site access control, biometric and card access control, delivery control, video surveillance, electronic storage and all field devices associated with site and personal safety as well as public safety for door interlocks and openings.

A full assessment and Security Upgrade Study was completed previously by Gannett Fleming, along with the standard requirements of commercial operating card access and video surveillance systems. The assessment was complete in regard to existing equipment, evolution to newer requirements and setting a standard which was adaptable, sold as less costly, having required a smaller footprint, and be easily operated by current personnel.

One of the most important aspects of this project RFP is to "...verify the contents and assume full responsibility for any determination or conclusion drawn from the material used. If the information provided is insufficient, the consultant shall take appropriate actions necessary to obtain the additional information required." We have taken a long look at the assessment, verified what is applicable and have questions regarding the requirements for standardization, authentication, verification, and certification.

Standardization, authentication, and certification

Standardization is the use of the cards on the public safety campus and within other agencies on other sites and within this laboratory space. Authentication is used after verification with the card of the card holder; to confirm it's the actual user; usually with a personal device such as a USB drive, phone or; retinal, coronal, veins, facial, or other means as a biomarker. Finally, certification is required. No matter what the system, no matter what the standard, it's compliance with a certain level of certification is necessary, whether in the state or in the federal government.

There were two elements which will require resolution as a first step to conform the system design recommendations by Gannett Fleming that will meet the intended level of certification.

- 1) The first element is confirming that under CDC compliance, the project will be required to meet federal guidelines. These requirements usually refer to FIP/PIV level verification. This requires a separate server, independent of the access control server, which maintains the database for those agency representatives, their personal information and their access and registration and certification for entering those spaces. Compliance is everything.
- 2) The second element is confirming that the recommendations made by Gannett Fleming meets or is required to meet federal guideline FIPS 201 certification standards for this level of technology. Normally, this level of technology requires a smart card, may be designed to be compatible with current legacy technology to transition in a clean way; but which imposes strict levels of electronics, infrastructure requirements of cabling, and does not permit - at this time based on our research - the use of cloud-based verification processing with authentication. Certain Brivo servers specified in the Gannett Fleming report were placed on the FIPS Removed Products List as no longer approved for government use since October 2021.

The RFP indicates the DOH is seeking a hybrid cloud based system. While in that arrangement the equipment is not maintained on site, the costs are generally just as high as if you own equipment; essentially paying in perpetuity for both licensing and storage.

This narrative will describe how some of the most important aspects of the selection of the consultant will be to 1) blend consistent and sustainable physical access control with remote functionality, 2) detail architectural door opening and dependable hardware requirements, and 3) upgrading of the access control and video systems to those which comply with standards of practice and certifications used in laboratory compliance in a phased manner without interference.



Physical Access Control

Physical access control and barriers will be evaluated as suitable for its intended use. There are two situations: the most critical is the delivery with both ingress and egress with now in-place standard controlled barriers of a commercial grade. In addition, there is video and card access control. Currently there are built-in long-distance readers which are not being used. These are only valuable when fixed vehicles have a proximity transmitter attached to the vehicle.

Proper industrial gate controls will be designed to accommodate multiple deliveries per day, as well as unique vehicles since the loading docks also have incoming tractor trailers with necropsy of large animals including giraffes, whales, and other species. New industry crash ratings are used instead of the old ASTM K ratings; now an M-series identifying the tonnage at a certain speed. This will be evaluated by our engineers; evaluating the appropriate threshold required for vehicle control. It was noted that in-ground systems produce more maintenance for the institution which may not be suitable especially during ice and snow conditions.

For the fire entrance barrier our initial recommendations would be an inertial barrier of simple design able to stop a 15-ton vehicle at 30 mph. It's usually composed of one locking shaft extending the full length. Because of the distance this use may need to be reviewed. In the new ratings this would be considered an M-15. Before making recommendations, we would recommend sitting with security personnel and any representatives. Likewise, the threat assessment for delivery ingress and egress is most important - since these entrances are on the backside of the facility. Since PHEAL is located on a public safety campus, the threat and vulnerability is lessened to a substantial degree.

Electronic Access Control Systems

The existing system in our observation at the current site is composed of a basic card access kilohertz proximity system, with biometric readers added onto the system. This provides a two-factor method of identification. First the card is presented, next the fingerprint is presented. The order is personal identification and validation. Identification is through card, validation is through person, in this case via bio-reader. Newer methods of reading such as facial recognition, use of veins on the back of hands, or retinal scans are also good options in this environment.

Federal requirements use what's called FIPS 201, Federal identification and personal information systems. This is a certification program that fits the federal standards for access control, and even video surveillance. It is adaptable for agency use such as the laboratory, commercial use, and even secure industrial use.

Phasing of the Program

The phasing of the construction of the project will be a critical and instrumental challenge to maintain contamination free planning, requiring the Architect to use contamination control barriers in specifications similar to those used in a hospital for infectious control. That way construction of the new openings can be done properly as well as even the infrastructure work that has to be done. The entire cabling infrastructure has to be installed as new, and code reviewed to determine if the abandoned cabling has to be removed due to NFPA requirements. This is especially due to the open cable tray situation. This was not reviewed in the Gannett Fleming report.

Like a fire alarm, the existing security system cabling must not be abandoned during the installation, nor does the new system have to be 100% in place before the older system is taken down. Very particular phasing has to be maintained so that both systems can be utilized to their full security capacity in every measure. Our designs accomplish this – a prime example being a 5 million square-foot renovation to Pennsylvania's Capital Complex which included almost 1000 card readers and over 1500 cameras, with only small segments of the replaced areas without service for a few hours.

While the design consultant is not responsible for means methods and technique, or scheduling, the consultant will be responsible for assurance that the contractor is alerted to the tool system requirement, and that only small segments can be deactivated after approval of the agency and the design professional.



4. ELECTRICAL SYSTEMS PROJECT APPROACH:

Whitman's engineering team will conduct a field visit to become familiar with the existing building's electrical system. During the schematic design phase, the design team will visit the site to verify available power to supply the new security system equipment. The Whitman engineering team will design new power for new security system racks to be operational parallel with the existing systems. The new central raceways for security system cabling and power to door holds will be incorporated into the design as required. We will coordinate and design power and data pathways to the new fire entrance barrier as required. Whitman will conduct a code review for this project looking at NFPA 70 (NEC) and other relevant referenced codes.

5. SITE CIVIL PROJECT APPROACH:

Whitman's engineering team will conduct a field visit to become familiar with the existing site, a full site survey using a licensed survey is not required for the limited scope. During the schematic design phase, the site visit will verify the existing conditions in the area around the new fire entrance barrier and the upgraded gate controls. Whitman will provide the civil site plan for the upgrades during the final design phase.

6. IN CONCLUSION:

We have reviewed the project scope and RFP documents, and understand the project requirements. We are committed to providing all of the project requirements and meeting all project goals delivering the best value project on behalf of the Public Health and Environmental and Agricultural Laboratory. We have the resources available to ensure that personnel will be assigned to the project in order to meet the schedule and budget. Our project approach considers taking the time and professional interface with all stakeholders to re-confirm all the project objectives, milestones, budget considerations and scope found in the provided documents that will influence the design and selection of equipment.

We propose to execute this project with a progressive design approach that will encourage effective communications and ensure that all options are defined, evaluated and discussed early before committing to the design details and equipment selections. Our primary objective is to provide an overall solution for the project and to achieve all the goals of the project.

The basis of delivering a successful project is to prepare a detailed Project Approach. In this section, we outline how our Team will deliver the services required to achieve the project objectives and scope and thus, we provide the Client with a clear basis to confidently select our Team for the project. We plan our work and execute our plan to ensure successful outcomes.

A properly prepared project execution plan provides the road map from which all successful projects are completed. We introduce this section with some key concepts our sub-consultant, Professional Systems Engineering follows in developing a Project Execution Plan.

The Scope of Work for this project shall be verified and confirmed by Taheri Architecture Team at the onset of project. Our Team will use Lean design and cost estimating techniques to create efficient, functional and safe solutions to meet the goals and objectives of the project. An opinion of probable construction cost is offered at the end of this section.

The design and construction administration responsibilities and submission requirements will be reviewed with the Project Team members at the beginning of the project. Items such as: contract deliverables, special sequencing or phased construction requirements, special hours for construction based on Public Health Environmental and Agricultural Laboratory, security needs, delivery dates of critical and long lead items, utility interruptions or shut down constraints for tie-ins, weather restrictions, and coordination with other project construction activities at the site will be addressed and coordinated.

A narrative summary of the work for this project, including the above information and all general administrative information will be included in Division 1 of the specification. We will assure that there are no conflicts between the information contained in Division 1 of the specification and the DPMC General Conditions.



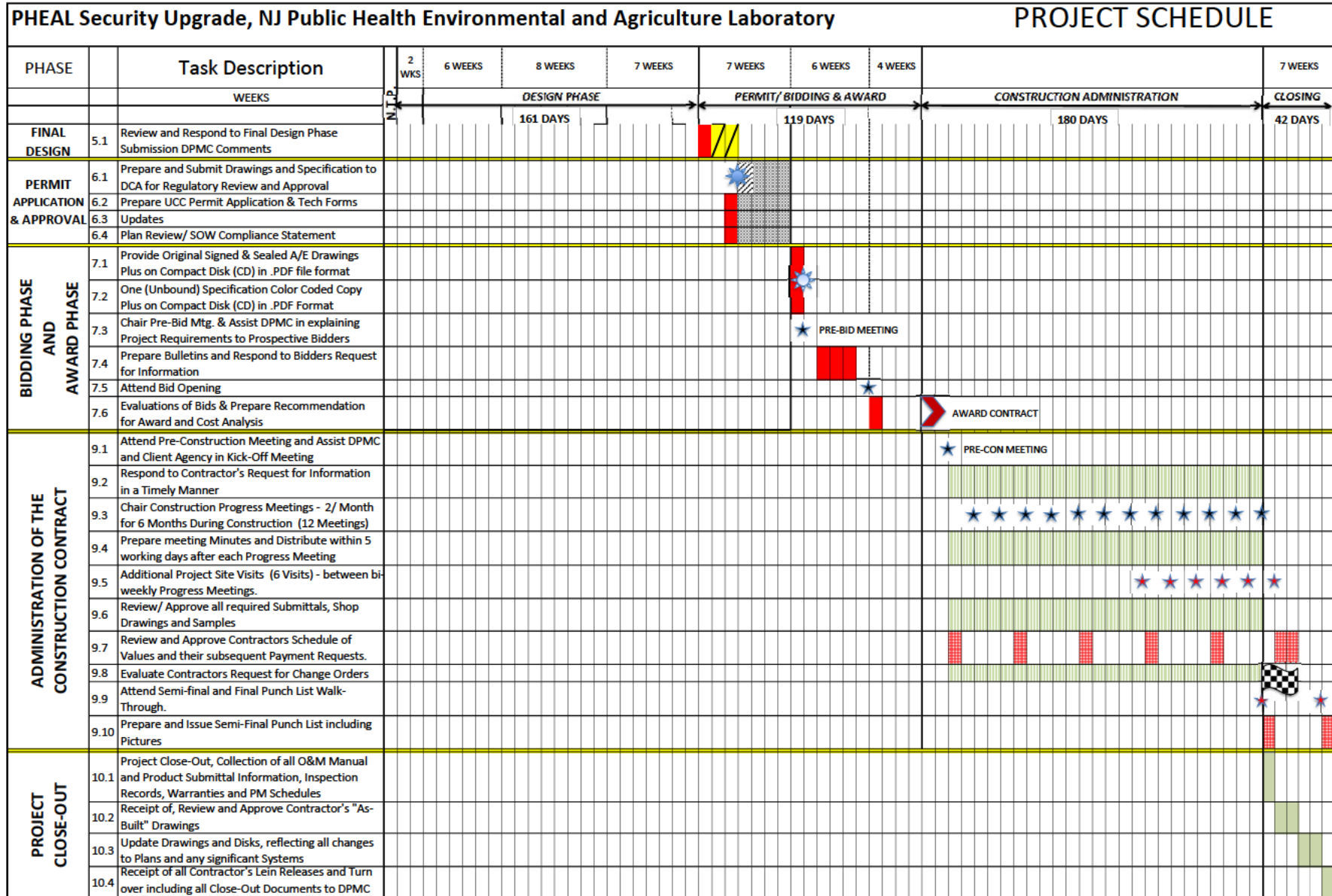
Opinion of Probable Construction Cost

The Opinion of Probable Construction Cost issued 11/15/2022 (revision four), we believe does not reflect accurate cost estimating in accordance with our standards of practice and overall number appears to be much lower than expected costs. Here are some of the issues we found:

- Site work for removal of existing physical barrier and gates listed as \$3,000 could be an order of magnitude low.
- Openings and Finishes would expected to be significantly higher as the estimate does not appear to take into account the phasing and contamination control requirements.
- Electrical quantities do not seem to be in line with the amount of new infrastructure that will be required for the 21 additional camera locations referenced in the RFP SOW. There are no costs listed for the new site power and raceways for the new site barriers. There is also no costs listed for additional power requirements in server room.
- Replacement biometric readers in the cost estimate are priced at \$199 material cost each. FIPS level biometric reader are typically more in the range of \$1,000. Quantities for the number of card readers and cameras do not match the quantities referenced in the RFP SOW. Material costs for the cameras are quite low based on quality of cameras expected for this type of facility.
- Security control systems are priced at approximately \$105,000 approximately and appears to be a catch all line item for all of the video and access control headend equipment including software, equipment, integration, programming, testing, training, etc. This seems very inadequate as it could range anywhere from \$500,000 to \$1.5 million depending on the configuration and storage requirements. Please make note that any capital cost that is deferred into operational costs as hardware, licensing, and software fees on a monthly or yearly basis for Cloud based services will end up as an operational cost to a Vendor at the same amount. That could be deferring \$1 million of capital costs into operational costs for the same time period.



PHEAL Security Upgrade, NJ Public Health Environmental and Agriculture Laboratory		PROJECT SCHEDULE									
PHASE	Task Description	2 WKS	6 WEEKS	8 WEEKS	7 WEEKS	7 WEEKS	6 WEEKS	4 WEEKS			7 WEEKS
WEEKS		N.T.P.	DESIGN PHASE			PERMIT/ BIDDING & AWARD		CONSTRUCTION ADMINISTRATION			CLOSING
			161 DAYS			119 DAYS		180 DAYS			42 DAYS
SITE ACCESS KICK-OFF MEETING	1.1 Site Visit, Identify Work Areas/ Verify Scope	█									
	1.2 I.D. Systems Design Options, Schedule Update	█									
	1.3 Kick-off Meeting with DPMC and Verify Program	█									
SCHEMATIC DESIGN PHASE (25%)	2.1 A/E Statement of Site Visit/ Request Access	█	█								
	2.2 A/E Interview PHEAL's various department Staff	█	█								
	2.3 Review Existing Document & Prepare Base Plans	█	█								
	2.4 Building Code/ Code Information Questionnaire	█	█								
	2.5 Prepare Security Systems Narratives & Options	█	█								
	2.6 Request Proprietary Specification Authorization	█	█								
	2.7 Outline Technical Specification (CSI Format)	█	█								
	2.8 Prepare Engineering Reports and Calculations	█	█								
	2.9 Prepare Construction/ Current Working Estimate	█	█								
	2.10 Prepare Project Manual Booklet Form	█	█								
	2.11 Meeting/ Presentation of Phase Submission			█							
	2.12 Record Minutes of Design Meeting & Distribute			█							
DESIGN DEVELOPMENT PHASE (50%)	3.1 Review and Respond to Schematic Design Phase Submission Comments			█							
	3.2 Prepare Technical Specifications Divisions as required including CSI Divisions 26 & 27			█							
	3.3 Prepare A/E Drawings including Electrical & Security Design Riser Diagrams & Schedules			█							
	3.4 Coordinate preparation of Civil and Electrical Engineering Drawings including Schedules			█							
	3.5 Prepare Division 1 Specification, Coordinated and edited according to DPMC			█							
	3.6 Update CCE/ Current Working Estimate			█							
	3.7 Discuss Site Logistics & Update Project Schedule			█							
	3.8 Prepare Project Manual Booklet Form			█							
	3.9 Meeting/ Presentation of Phase Submission				█						
	3.10 Record Minutes of Design Meeting & Distribute				█						
FINAL DESIGN PHASE 100% CONSTRUCTION DOCUMENT	4.1 Review and Respond to Design Development Phase Submission Comments				█						
	4.2 Architectural & Electrical Drawings including Plan Details, Device and network design details				█						
	4.3 Engineering Civil Drawing with associated Gate & Guard Rail details				█						
	4.4 Prepare Final Specifications				█						
	4.5 Update CCE/ Current Working Estimate				█						
	4.6 Finalize Site Logistics & Project Schedule				█						
	4.7 Prepare Project Manual Booklet Form				█						
	4.8 Meeting/ Presentation of Phase Submission					█					
	4.9 Record Minutes of Design Meeting & Distribute					█					





G. Project Schedule - Narrative

1. MEETING SPECIFIC PROJECT TIMELINE:

Upon notice to proceed, Taheri Architecture, together with the Project Team, will attend a pre-design meeting and conduct a site visit to ascertain the project and site-specific design parameters as well as the logistics considerations for the implementation of the Project in the Construction Phase.

The scheduled inspection and assessment will be coordinated with DPMC and the PHEAL staff with minimal disturbance to the facility’s operations. Early in the Schematic Design Phase our Team will conduct interviews with the PHEAL’s various department heads.

The interviews along with clarifications of the issues identified in our Project Approach (F) will inform the design during the Schematic Design Phase.

In identifying various upgrade systems, hardware and devices for this project, we anticipate need for proprietary products and manufacturers. Therefore, the request for authorization should be made in early stages of the design process.

The Schedule includes a 2-week (14 calendar days) review comments from DPMC at each phase submission, and a 4-5 weeks (30+ calendar days) review/ approval by DCA. Although, our recent experience with DCA review/approval online process proved to be challenging in administrative acceptance of uploaded files as opposed to the review time and extent of the comments. We are counting on DCA’s improvement with their online submission and acceptance process.

After project award and initiation, Taheri Architecture will coordinate the design team for General Construction Administration Overview, Pre-bid Meeting and then Construction Job Meetings, Site Administrative Services and Project Close-out.

PROJECT SCHEDULE/ TASK DESCRIPTION

The tasks numbers described in the PROJECT SCHEDULE are those internal to Taheri Architecture Design Team to meet the “Contract Deliverables” required in Section XI of the Scope of Work for Design and Construction Phases of the Project.

Anticipated Permit Approval Timing:

⇒ 60 days – DCA Approval

Certification 60191

CERTIFICATE OF EMPLOYEE INFORMATION REPORT

INITIAL

This is to certify that the contractor listed below has submitted an Employee Information Report pursuant to N.J.A.C. 17:27-1.1 et. seq. and the State Treasurer has approved said report. This approval will remain in effect for the period of **15-DEC-2018** to **15-DEC-2025**

TAHERI ARCHITECTURE, INC.
279 W. TULPEHOCKEN STREET
PHILADELPHIA PA 19144



A handwritten signature in cursive script, reading "Elizabeth Maher Muoio".

ELIZABETH MAHER MUOIO
State Treasurer

Certification 68410

CERTIFICATE OF EMPLOYEE INFORMATION REPORT INITIAL

This is to certify that the contractor listed below has submitted an Employee Information Report pursuant to N.J.A.C. 17:27-1.1 et. seq. and the State Treasurer has approved said report. This approval will remain in effect for the period of 15-Aug-2022 to 15-Aug-2029

WHITMAN
100 FRANKLIN SQU DR, STE 200
SOMERSET NJ 08873



Elizabeth Maher Muoio
ELIZABETH MAHER MUOIO
State Treasurer

Certification **6146**

CERTIFICATE OF EMPLOYEE INFORMATION REPORT RENEWAL

This is to certify that the contractor listed below has submitted an Employee Information Report pursuant to N.J.A.C. 17:27-1.1 et. seq. and the State Treasurer has approved said report. This approval will remain in effect for the period of **15-Dec-2022** to **15-Dec-2029**

**PROFESSIONAL SYSTEMS ENGINEERING
1010 CHURCH ROAD
LANSDALE PA 19446**



Elizabeth Maher Muoio
ELIZABETH MAHER MUOIO
State Treasurer

Public Law 2005, Chapter 92

Formerly: Executive Order 129

SOURCE DISCLOSURE CERTIFICATION FORM

Bidder: Taheri Architecture, Inc.

I hereby certify and say:

I have personal knowledge of the facts set forth herein and am authorized to make this Certification on behalf of the Bidder.

The Bidder submits this Certification as part of a bid proposal in response to the referenced solicitation issued by the State of New Jersey, Department of Treasury, Division of Property Management and Construction (DPMC), in accordance with the requirements of Public Law 2005, Chapter 92, (N.J.S.A. 52:34-13.2 et seq., superseding Executive Order 129 (2004)).

The following is a list of every location where services will be performed by the bidder and all subcontractors.

<u>Bidder or Subcontractor</u>	<u>Description of Services</u>	<u>Performance Location(s) by Country</u>
Taheri Architecture, Inc.	Architectural Services	Philadelphia, PA
Whitman	MEP, Civil Engineering	Somerset, NJ
PSE	Security/Telecom/Cctv/Special Systems	Lansdale, PA


Any changes to the information set forth in this Certification during the term of any contract awarded under the referenced Project Number will be immediately reported by the Bidder to the Contract Compliance Unit in the DPMC, Department of Treasury, State of New Jersey, PO Box 034, Trenton, NJ 08625.

I understand that, after award of a contract to the Bidder, it is determined that the Bidder has shifted services declared above to be provided within the United States to sources outside the United States, prior to a written determination by the Director, Division of Property Management and Construction, that extraordinary circumstances require the shift of services or that the failure to shift the services would result in economic hardship to the State of New Jersey, the Bidder shall be deemed in breach of contract, which contract will be subject to termination for cause under its contract with DPMC.

I further understand that this Certification is submitted on behalf of the Bidder in order to induce DPMC to accept a bid proposal, with knowledge that the State of New Jersey and DPMC are relying upon the truth of the statements contained herein.

I certify that, to the best of my knowledge and belief, the foregoing statements by me are true. I am aware that if any of the statements are willfully false, I am subject to punishment.

Bidder: Taheri Architecture, Inc.
[Name of Organization or Entity]

By: 

Title: President

Print Name: Roya Taheri

Date: 09/12/2023

SCOPE OF WORK

PHEAL Security Upgrade

NJ Public Health Environmental and Agricultural Laboratory
Ewing, Mercer County, N.J.

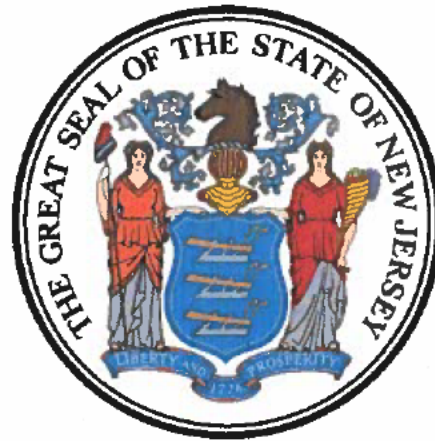
Project No. M1598-00

STATE OF NEW JERSEY

Honorable Philip D. Murphy, Governor
Honorable Sheila Y. Oliver, Lt. Governor

DEPARTMENT OF THE TREASURY

Elizabeth Maher Muoio, Treasurer



DIVISION OF PROPERTY MANAGEMENT AND CONSTRUCTION

Christopher Chianese, Director

Date: May 10, 2023

TABLE OF CONTENTS

SECTION	PAGE
I. OBJECTIVE.....	4
II. CONSULTANT QUALIFICATIONS	4
A. CONSULTANT & SUB-CONSULTANT PRE-QUALIFICATIONS	4
III. PROJECT BUDGET	4
A. CONSTRUCTION COST ESTIMATE (CCE).....	4
B. CURRENT WORKING ESTIMATE (CWE).....	4
C. CONSULTANT’S FEES.....	5
IV. PROJECT SCHEDULE	5
A. SCOPE OF WORK DESIGN & CONSTRUCTION SCHEDULE	5
B. CONSULTANT’S PROPOSED DESIGN & CONSTRUCTION SCHEDULE	6
V. PROJECT SITE LOCATION & TEAM MEMBERS.....	6
A. PROJECT SITE ADDRESS.....	6
B. PROJECT TEAM MEMBER DIRECTORY	7
1. DPMC Representative:	7
2. NJ Department of Health Representative:	7
3. NJ Public Health Environmental and Agricultural Laboratory:	7
VI. PROJECT DEFINITION	8
A. BACKGROUND	8
B. FUNCTIONAL DESCRIPTION OF THE BUILDING.....	8
1. General:.....	8
2. Biological Safety Levels (BSL):.....	8
3. Security Upgrade Study:.....	9
VII. CONSULTANT DESIGN RESPONSIBILITIES.....	9
A. DESIGN REQUIREMENTS.....	9
B. EXISTING DOCUMENTATION	11
VIII. PERMITS & APPROVALS.....	11
A. NJ UNIFORM CONSTRUCTION CODE PLAN REVIEW AND PERMIT	11
B. OTHER REGULATORY AGENCY PERMITS, CERTIFICATES AND APPROVALS.....	14
IX. ALLOWANCES	15

PROJECT NAME: PHEAL Security Upgrade
PROJECT LOCATION: NJ Public Health Environmental and Agricultural Laboratory
PROJECT NO: M1598-00
DATE: May 10, 2023

A.	PLAN REVIEW AND PERMIT FEE ALLOWANCE.....	15
1.	Permits:.....	15
2.	Permit Costs:.....	15
3.	Applications:.....	15
4.	Consultant Fee:	15
X.	SOW SIGNATURE APPROVAL SHEET.....	16
XI.	CONTRACT DELIVERABLES	17
XII.	EXHIBITS.....	17
A.	SAMPLE PROJECT SCHEDULE FORMAT	
B.	PROJECT SITE LOCATION MAP	
C.	COST ESTIMATE	

I. OBJECTIVE

The objective of this project is to upgrade various security systems in place at the Public Health Environmental and Agricultural Laboratory (PHEAL) in Ewing, New Jersey. Security systems to be upgraded include vehicle barriers, three interior doors, card readers, cabling and cameras. New upgrades will be incorporated into a new hybrid security control system to be specified by the Consultant.

II. CONSULTANT QUALIFICATIONS

A. CONSULTANT & SUB-CONSULTANT PRE-QUALIFICATIONS

The Consultant shall be a firm pre-qualified with the Division of Property Management & Construction (DPMC) in the following discipline(s):

- **P001 Architecture**

The Consultant shall also have in-house capabilities or Sub-Consultants pre-qualified with DPMC in:

- **P025 Estimating/Cost Analysis**
- **P048 Security Systems**

As well as, **any and all** other Architectural, Engineering and Specialty Disciplines necessary to complete the project as described in this Scope of Work (SOW).

III. PROJECT BUDGET

A. CONSTRUCTION COST ESTIMATE (CCE)

The initial Construction Cost Estimate (CCE) for this project is \$863,100.

The Consultant shall review this Scope of Work and provide a narrative evaluation and analysis of the accuracy of the proposed project CCE in its technical proposal based on its professional experience and opinion.

B. CURRENT WORKING ESTIMATE (CWE)

The Current Working Estimate (CWE) for this project is \$1,320,542.

The CWE includes the construction cost estimate and all consulting, permitting and administrative fees.

The CWE is the Client Agency's financial budget based on this project Scope of Work and shall not be exceeded during the design and construction phases of the project unless DPMC approves the change in Scope of Work through a Contract amendment.

C. CONSULTANT'S FEES

The construction cost estimate for this project *shall not* be used as a basis for the Consultant's design and construction administration fees. The Consultant's fees shall be based on the information contained in this Scope of Work document and the observations made and/or the additional information received during the pre-proposal meeting.

IV. PROJECT SCHEDULE

A. SCOPE OF WORK DESIGN & CONSTRUCTION SCHEDULE

The following schedule identifies the estimated design and construction phases for this project and the estimated durations.

PROJECT PHASE	ESTIMATED DURATION (Calendar Days)
1. Site Access Approvals & Schedule Design Kick-off Meeting	14
3. Schematic Design Phase	42
• <i>Project Team & DPMC Plan/Code Unit Review & Comment</i>	14
4. Design Development Phase	42
• <i>Project Team & DPMC Plan/Code Unit Review & Comment</i>	14
5. Final Design Phase	42
• <i>Project Team & DPMC Plan/Code Unit Review & Approval</i>	14
6. Final Design Re-Submission to Address Comments	7
• <i>Project Team & DPMC Plan/Code Unit Review & Approval</i>	14
7. DCA Submission Plan Review	30
8. Permit Application Phase	7
• <i>Issue Plan Release</i>	

9. Construction Bid Phase	42
10. Construction Award Phase	28
11. Construction Phase	180
12. Project Close Out Phase	30

B. CONSULTANT’S PROPOSED DESIGN & CONSTRUCTION SCHEDULE

The Consultant shall submit a project design and construction schedule with its technical proposal that is similar in format and detail to the schedule depicted in **Exhibit ‘A’**. The schedule developed by the Consultant shall reflect its recommended project phases, phase activities, activity durations.

A written narrative shall also be included with the technical proposal explaining the schedule submitted and the reasons why and how it can be completed in the time frame proposed by the Consultant.

This schedule and narrative will be reviewed by the Consultant Selection Committee as part of the evaluation process and will be assigned a score commensurate with clarity and comprehensiveness of the submission.

V. PROJECT SITE LOCATION & TEAM MEMBERS

A. PROJECT SITE ADDRESS

The location of the project site is:

NJ Public Health Environmental and Agricultural Laboratory
3 Schwarzkopf Drive
West Trenton, NJ 08628

See **Exhibit ‘B’** for the project site location map.

B. PROJECT TEAM MEMBER DIRECTORY

The following are the names, addresses, and phone numbers of the Project Team members.

1. DPMC Representative:

Name: Joseph Polizzi, Design Project Manager
Address: Division of Property Management & Construction
20 West State Street, 3rd Floor
Trenton, NJ 08608-1206

Phone No: [REDACTED]
E-Mail: [REDACTED]

2. NJ Department of Health Representative:

Name: Robert Bice, Administrative Analyst
Address: Department of Health
P.O. Box 360
55 North Willow Street
Trenton, NJ 08608

Phone No: [REDACTED]
E-Mail: [REDACTED]

Name: Kevin Jennings, Director, Office of Administrative Services
Division of Management and Administration
Address: New Jersey Department of Health
55 North Willow Street – 1st Floor
Trenton, NJ 08608

Phone No: [REDACTED]
E-Mail No: [REDACTED]

3. NJ Public Health Environmental and Agricultural Laboratory:

Name: David Markunas, Facilities Operations Manager
Address: NJ Public Health Environmental and Agricultural Laboratory
3 Schwarzkopf Drive
West Trenton, NJ 08628

Phone No: [REDACTED]
E-Mail: [REDACTED]

VI. PROJECT DEFINITION

A. BACKGROUND

The New Jersey Public Health, Environmental and Agricultural Laboratory (PHEAL) is a five story steel framed building that houses the Department of Health and the Department of Agriculture's laboratories. The PHEAL is located on the same campus as the New Jersey State Police Division Headquarters and Regional Operations Intelligence Center (NJ ROIC)

The PHEAL is seeking an upgrade of its building security systems, emphasizing modernization/update/replacement of current hardware and software, protocols and biometric components.

B. FUNCTIONAL DESCRIPTION OF THE BUILDING

1. General:

The facility (PHEAL) is a 191,000 sf building comprised of 157,000 sf of open laboratory space. Initially opened in May 2011, services were gradually moved from the old facility in Trenton over the course of approximately one year, with the last program to move in August 2012. Drawings were completed under Project A0984-04 and will be provided to the Consultant.

The Department of Health is the largest tenant in the building followed by the Department of Agriculture. The smallest tenant is the Department of Environmental Protection.

Office space for the Department of Environmental Protection's (DEP) Bureau of Air Monitoring and Pesticide Evaluation and Monitoring was created under Project A1246-01 to allow for relocation of these functions from leased space. Drawings will be provided to the Consultant.

Department of Health (DOH) services within the facility include Public Health Laboratory Services (PHLS), Environmental Chemical Laboratory Services (ECLS), Office of Policy, Planning and Regulatory Compliance (OPPRC) and the Clinical Laboratory Improvement Services (CLIS).

Department of Agriculture Laboratory Services within the facility include Animal Health Laboratory Services and Plant Industry Laboratory Services.

2. Biological Safety Levels (BSL):

Biosafety levels (BSL) are used to identify the protective measures needed in a laboratory setting to protect workers, the environment, and the public. The four biosafety levels are BSL-1, BSL-2, BSL-3, and BSL-4, with BSL-4 being the highest (maximum) level of containment. There are no

BSL-4 laboratories at the PHEAL Lab. The facility has had challenges with some of the BSL-3 laboratories and air lock systems. Personnel have gotten stuck in these areas due to improper functioning of the security system and had to be released via manual override.

3. Security Upgrade Study:

In 2022 under project A1359-00, the State procured the services of Gannett Fleming to study and assess the existing Security Program and Physical Protection Systems at the PHEAL and recommend upgrades with cost estimates. The Security Upgrade Study by Gannett Fleming will be provided to the Consultant.

VII. CONSULTANT DESIGN RESPONSIBILITIES

A. DESIGN REQUIREMENTS

The Consultant shall provide design, specification, bid/award, permit and construction administration services for the following items. A cost estimate associated with these items is shown in **Exhibit 'C'**.

Existing Conditions

Remove existing chain barrier on the fire lane and replace with an upgraded hardened barrier such as a rolling gate/fencing which can be opened and closed remotely from Security booth and/or manually overridden.

Openings

There are three openings which need to be addressed.

#1. Second floor service corridor at end of BSL3 laboratory entryways. A door and frame must be installed to close off the BSL3 laboratories in the service corridor (reference doorway L286). This door will require a biometric or other upgraded reader for ultra-security purposes and compatible with all other BSL3 readers.

#2. First Floor – there is a double door set with crash bars in the DOH Accessioning Hallway (outside of internal warehouse entrance – reference doorway 1C85). These doors have a card reader with an alarm if passage is gained through without proper credentials. However, admitting passage without the credentials is the problem. The doors need to be secured /hardened. Otherwise, violators can easily trespass into the lab proper and be up the stair or take the elevator to another floor before Security can even investigate.

#3. First Floor – In the Agricultural BSL3 Laboratory there is a locker room/shower with a door that does not lock consistently. We need this to lock consistently (this may require simply replacing the locking hardware).

Finishes

Refers to doors and walls effected as a result of door installations/repairs cited in openings. Same as above.

Electrical

We require to upgrade our current CAT5 cabling to CAT6 cabling for all security systems, i.e., readers and surveillance cameras (e.g., from device to panel). All movement detected via readers and cameras should be displayed at Front Desk Security and on CLOUD recordings.

Electronic Safety and Security

The DOH and Agriculture BSL3 laboratories have 16 biometric readers which must be utilized to gain access. These require an ID swipe on the reader and a fingerprint. These readers are aged. This laboratory requires an upgraded system which is heightened over and above the established readers/access mechanisms throughout the rest of the laboratory. With technology which is incorporated into/compatible with the new software/cloud environment.

The PHEAL has 95 card readers and 64 cameras. The card readers should be replaced and integrated to comply with the new software/cloud environment. Per the GF report they have indicated we should add 16 more cameras total between interior and exterior. In addition, there are 5 cameras in the DOH BSL3 which are on a closed circuit which should be replaced with digital and added to the general circuit of proposed 64+ cameras so Front Desk Security can view activity on any and all cameras. Hence, we are asking to replace all cameras and install 85 digital cameras.

Security Control System

The DOH is seeking a hybrid system with the readers and cameras reporting to a vendor-hosted control plane in an ISO27001-compliant cloud environment and accessed/repaired/maintained remotely (as applicable). In addition, the DOH seeks to have a solution that allows control to fail-over to a local, on-premises server for the building's readers and cameras that also provides the ability for designated DOH staff to administer the system in the event of a network outage or situation where the cloud control plan is unavailable. The CLOUD company would also provide maintenance and repair to this back-up server, including all software updates, hardware, etc. The video recording should be able to be saved/accessed/retrieved on and from the CLOUD for a period of time compliant with CDC requirements.

The DOH will identify which readers/cameras will be stored on a local server. All on-premises components are to be network-isolated from the user/production network on a separate VLAN and Security Zone through the guidance of the DOH Information Security Office.

The consultant upon discussion/interview with Lab staff, should delineate the specifications of the security system including the CLOUD based and locally stored components/information. These specs are what DOH/Treasury should use to market for Treasury approved Vendor's reply. Included will be that the CLOUD company has remote capability but also "boots on the ground" in the event that physical repairs/maintenance are needed to both the CLOUD and Local

aspects of the system. The CLOUD company would also perform the installation, be required to provide needed hardware, training, and on-going support.

Exterior Improvements

Install vehicle guide rails at the gate arm exit side. Remove gate arm barrier and replace with an upgraded hardened barrier such as a rolling gate/fencing which can be opened closed remotely from Security booth and /or manually overridden.

A means of access shall be supplied at the new Hard Gate / Fence for Emergency Vehicle Access, such as a Lock Box.

B. EXISTING DOCUMENTATION

Copies of the following documents will be provided to each Consulting firm at the pre-proposal meeting to assist in the bidding process.

- DPMC Project A0984-04: **New Jersey Public Health Environmental and Agricultural Laboratory**, January 28, 2011, HOK NY
- DPMC Project A1246-01: **New Jersey Public Health Environmental and Agricultural Laboratory** (New Laboratory and Office Renovations), 10/15/2019, HDR Architects and Engineers P.C.
- DPMC Project A1359-00: **Security Upgrade Study**, 11/17/2022, Gannett Fleming, Inc.

Review these documents and any additional information that may be provided at a later date such as reports, studies, surveys, equipment manuals, as-built drawings, etc. The State does not attest to the accuracy of the information provided and accepts no responsibility for the consequences of errors by the use of any information and material contained in the documentation provided. It shall be the responsibility of the Consultant to verify the contents and assume full responsibility for any determination or conclusion drawn from the material used. If the information provided is insufficient, the Consultant shall take the appropriate actions necessary to obtain the additional information required.

All original documentation shall be returned to the provider at the completion of the project.

VIII. PERMITS & APPROVALS

A. NJ UNIFORM CONSTRUCTION CODE PLAN REVIEW AND PERMIT

The project construction documents must comply with the latest adopted edition of the NJ Uniform Construction Code (NJUCC).

The latest NJUCC Adopted Codes and Standards can be found at:

<http://www.state.nj.us/dca/divisions/codes/codreg/>

1. NJ Uniform Construction Code (NJUCC) Plan Review

Consultant shall estimate the cost of the NJUCC Plan Review by DCA and include that amount in their fee proposal line item entitled “**Plan Review and Permit Fee Allowance**”, refer to paragraph XI.A.

Upon approval of the Final Design Phase Submission by DPMC, the Consultant shall submit the construction documents to the Department of Community Affairs (DCA), Bureau of Construction Project Review to secure a complete plan release.

As of July 25, 2022, the Department of Community Affairs (DCA) is only accepting digital signatures and seals issued from a third party certificate authority. The DCA ePlans site can be found at:

<https://www.nj.gov/dca/divisions/codes/offices/ePlans.html>

Procedures for submission to the DCA Plan Review Unit can be found at:

https://www.state.nj.us/dca/divisions/codes/forms/pdf_bcpr/pr_app_guide.pdf

Consultant shall complete the “Project Review Application” and include the following on Block 5 as the “Owner’s Designated Agent Name”:

Joyce Spitale, DPMC
PO Box 235
Trenton, NJ 08625-0235

The Consultant shall complete the NJUCC “Plan Review Fee Schedule”, determine the fee due and pay the NJUCC Plan Review fees, refer to Paragraph X.A.
The NJUCC “Plan Review Fee Schedule” can be found at:

http://www.state.nj.us/dca/divisions/codes/forms/pdf_bcpr/pr_fees.pdf

2. NJ Uniform Construction Code Permit

Upon receipt of a complete plan release from the DCA Bureau of Construction Project Review, the Consultant shall complete the NJUCC permit application and all applicable technical sub-code sections. The “Agent Section” of the application and certification section of the building

sub-code section shall be signed. These documents, with **six (6) sets of DCA approved, signed and sealed construction documents** shall be forwarded to the DPMC Project Manager.

The Consultant may obtain copies of all NJUCC permit applications at the following website:

<http://www.state.nj.us/dca/divisions/codes/forms/>

All other required project permits shall be obtained and paid for by the Consultant in accordance with the procedures described in Paragraph VIII.B.

3. Prior Approval Certification Letters:

The issuance of a construction permit for this project may be contingent upon acquiring various "prior approvals" as defined by N.J.A.C. 5:23-1.4. It is the Consultant's responsibility to determine which prior approvals, if any, are required. The Consultant shall submit a general certification letter to the DPMC Plan & Code Review Unit Manager during the Permit Phase of this project that certifies all required prior approvals have been obtained.

In addition to the general certification letter discussed above, the following specific prior approval certification letters, where applicable, shall be submitted by the Consultant to the DPMC Plan & Code Review Unit Manager: Soil Erosion & Sediment Control, Water & Sewer Treatment Works Approval, Coastal Areas Facilities Review, Compliance of Underground Storage Tank Systems with N.J.A.C. 7:14B, Pinelands Commission, Highlands Council, Well Construction and Maintenance; Sealing of Abandoned Wells with N.J.A.C. 7:9D, Certification that all utilities have been disconnected from structures to be demolished, Board of Health Approval for Potable Water Wells, Health Department Approval for Septic Systems. It shall be noted that in accordance with N.J.A.C. 5:23-2.15(a)5, a permit cannot be issued until the letter(s) of certification is received.

4. Multi-building or Multi-site Permits:

A project that involves many buildings and/or sites requires that a separate permit shall be issued for each building or site. The Consultant must determine the construction cost estimate for *each* building and/or site location and submit that amount where indicated on the permit application.

5. Special Inspections:

In accordance with the requirements of the New Jersey Uniform Construction Code N.J.A.C. 5:23-2.20(b), Bulletin 03-5 and Chapter 17 of the International Building Code, the Consultant shall be responsible for the coordination of all special inspections during the construction phase of the project.

Bulletin 03-5 can be found at:

http://www.state.nj.us/dca/divisions/codes/publications/pdf_bulletins/b_03_5.pdf

a. Definition:

Special inspections are defined as an independent verification by a certified Special Inspector for **Class I buildings and smoke control systems in any class building**. The special inspector is to be independent from the Contractor and responsible to the Consultant so that there is no possible conflict of interest.

Special inspectors shall be certified in accordance with the requirements in the New Jersey Uniform Construction Code.

b. Responsibilities:

The Consultant shall submit with the permit application, a list of special inspections and the agencies or special inspectors that will be responsible to carry out the inspections required for the project. The list shall be a separate document, on letter head, signed and sealed.

B. OTHER REGULATORY AGENCY PERMITS, CERTIFICATES AND APPROVALS

The Consultant shall identify and obtain all other State Regulatory Agency permits, certificates, and approvals that will govern and affect the work described in this Scope of Work. An itemized list of these permits, certificates, and approvals shall be included with the Consultant's Technical Proposal and the total amount of the application fees should be entered in the Fee Proposal line item entitled, "**Permit Fee Allowance.**"

The Consultant may refer to the Division of Property Management and Construction "Procedures for Architects and Engineers Manual", Paragraph "**9. REGULATORY AGENCY APPROVALS**" which presents a compendium of State permits, certificates, and approvals that may be required for this project.

The Consultant shall determine the appropriate phase of the project to submit the permit application(s) in order to meet the approved project milestone dates.

Where reference to an established industry standard is made, it shall be understood to mean the most recent edition of the standard unless otherwise noted. If an industry standard is found to be revoked, or should the standard have undergone substantial change or revision from the time that the Scope of Work was developed, the Consultant shall comply with the most recent edition of the standard.

IX. ALLOWANCES

A. PLAN REVIEW AND PERMIT FEE ALLOWANCE

The Consultant shall obtain and pay for all of the project permits in accordance with the guidelines identified below.

1. Permits:

The Consultant shall determine the various permits, certificates, and approvals required to complete this project.

2. Permit Costs:

The Consultant shall estimate the application fee costs for all of the required project permits, certificates, and approvals (excluding the NJ Uniform Construction Code permit) and include that amount in its fee proposal line item entitled “**Plan Review and Permit Fee Allowance**”, refer to Paragraph IX.A. A breakdown of each permit and application fee shall be attached to the fee proposal for reference.

NOTE: The NJ Uniform Construction Code permit is excluded since it will be paid for by the State.

3. Applications:

The Consultant shall complete and submit all permit applications to the appropriate permitting authorities and the costs shall be paid from the Consultant’s permit fee allowance. A copy of the application(s) and the original permit(s) obtained by the Consultant shall be given to the DPMC Project Manager for distribution during construction.

4. Consultant Fee:

The Consultant shall determine what is required to complete and submit the permit applications, obtain supporting documentation, attend meetings, etc., and include the total cost in the base bid of its fee proposal under the “Permit Phase” column.

Any funds remaining in the permit allowance will be returned to the State at the close of the project.

X. SOW SIGNATURE APPROVAL SHEET

This Scope of Work shall not be considered a valid document unless all signatures appear in each designated area below.

The Client Agency approval signature on this page indicates that they have reviewed the design criteria and construction schedule described in this project Scope of Work (including the subsequent contract deliverables and exhibits) and verifies that the work will not conflict with the existing or future construction activities of other projects at the site.

SOW APPROVED BY: James Wright 5/10/2023
JAMES WRIGHT, MANAGER DATE
DPMC PROJECT PLANNING & INITIATION

SOW APPROVED BY: Robert Bice 5/10/2023
ROBERT BICE, ADMINISTRATIVE ANALYST DATE
NJ DEPARTMENT OF HEALTH

SOW APPROVED BY: Kevin Jennings 5/15/2023
KEVIN JENNINGS, DIRECTOR DATE
DIVISION OF MANAGEMENT AND ADMINISTRATION

SOW APPROVED BY: Joseph Polizzi 5/15/2023
JOSEPH POLIZZI, PROJECT MANAGER DATE
DPMC PROJECT MANAGEMENT GROUP

SOW APPROVED BY: Richard Flodmand 5/16/2023
RICHARD FLODMAND, DEPUTY DIRECTOR DATE
DIV PROPERTY MGT & CONSTRUCTION

XI. CONTRACT DELIVERABLES

The following are checklists listing the Contract Deliverables that are required at the completion of each phase of this project. The Consultant shall refer to the DPMC publication entitled "Procedures for Architects and Engineers," 3.0 Edition, dated September 2022 available at <https://www.nj.gov/treasury/dpmc/Assets/Files/ProceduresforArchitectsandEngineers.pdf> for a detailed description of the deliverables required for each submission item listed. References to the applicable paragraphs of the "Procedures for Architects and Engineers" are provided.

Note that the Deliverables Checklist may include submission items that are "S.O.W. Specific Requirements". These requirements will be defined in the project specific scope of work and included on the deliverables checklist.

This project includes the following phases with the deliverables noted as "Required by S.O.W" on the Deliverables Checklist:

- **SCHEMATIC DESIGN PHASE**
- **DESIGN DEVELOPMENT PHASE**
- **FINAL DESIGN PHASE**
- **PERMIT APPLICATION PHASE**
- **BIDDING AND CONTRACT AWARD**
- **CONSTRUCTION PHASE**
- **PROJECT CLOSE-OUT PHASE**

XII. EXHIBITS

- A. **SAMPLE PROJECT SCHEDULE FORMAT**
- B. **PROJECT SITE LOCATION MAP**
- C. **COST ESTIMATE**

END OF SCOPE OF WORK

February 7, 1997
Rev.: January 29, 2002

Responsible Group Code Table

The codes below are used in the schedule field "GRP" that identifies the group responsible for the activity. The table consists of groups in the Division of Property Management & Construction (DPMC), as well as groups outside of the DPMC that have responsibility for specific activities on a project that could delay the project if not completed in the time specified. For reporting purposes, the groups within the DPMC have been defined to the supervisory level of management (i.e., third level of management, the level below the Associate Director) to identify the "functional group" responsible for the activity.

<u>CODE</u>	<u>DESCRIPTION</u>	<u>REPORTS TO ASSOCIATE DIRECTOR OF:</u>
CM	Contract Management Group	Contract Management
CA	Client Agency	N/A
CSP	Consultant Selection and Prequalification Group	Technical Services
A/E	Architect/Engineer	N/A
PR	Plan Review Group	Technical Services
CP	Construction Procurement	Planning & Administration
CON	Construction Contractor	N/A
FM	Financial Management Group	Planning & Administration
OEU	Office of Energy and Utility Management	N/A
PD	Project Development Group	Planning & Administration

EXHIBIT 'A'

Activity ID	Description	Report	Weeks																				
CV3053	Review & Approve Final Design Submittal	CM																					
CV3056	Consolidate & Return Final Design Comments	CM																					
CV3060	Prepare & Submit Permit Application Documents	AE																					
CV3068	Prepare & Submit Bidding Cost Analysis (DFMC-38)	CM																					
Plan/Review-Permit Acquisition																							
CV4001	Review Constr. Documents & Secure UCC Permit	PR																					
CV4010	Provide Funding for Construction Contracts	CA																					
CV4020	Secure Bid Clearance	CM																					
Advertise-Bid-Award																							
CV5001	Advertise Project & Bid Construction Contracts	CP																					
CV5010	Open Construction Bids	CP																					
CV5011	Evaluate Bids & Prep. Recommendation for Award	CM																					
CV5012	Evaluate Bids & Prep. Recommendation for Award	AE																					
CV5014	Complete Recommendation for Award	CP																					
CV5020	Award Construction Contracts/Issue NTP	CP																					
Construction																							
CV6006	Project Construction Start/Issue NTP	CM																					
CV6001	Contract Start/Contract Work (25%) Complete	CON																					
CV6002	Preconstruction Meeting	CM																					
CV6003	Begin Preconstruction Submittals	CON																					
CV6004	Longest Lead Procurement Item Ordered	CON																					
CV6005	Lead Time for Longest Lead Procurement Item	CON																					
CV6006	Prepare & Submit Shop Drawings	CON																					
CV6007	Complete Construction Submittals	CON																					
CV6011	Roughing Work Start	CON																					
CV6012	Perform Roughing Work	CON																					
CV6018	Contract Work (50%+) Complete	CON																					
CV6013	Longest Lead Procurement Item Delivered	CON																					
CV6020	Contract Work (75%) Complete	CON																					
NOTE: Refer to section "IV Project Schedule" of the Scope of Work for contract phase durations. © Primavera Systems, Inc.			SBCA - TEST Bureau of Design & Construction Services			Sheet 2 of 3			<h1>EXHIBIT 'A'</h1>														

Activity ID	Description	Rspn	Weeks																			
			1	2	3	4	5	6	7	8	9	10	11	12								
CV6014	Roughing Work Complete	CON																				
CV6021	Interior Finishes Start	CON																				
CV6022	Install Interior Finishes	CON																				
CV6030	Contract Work to Substantial Completion	CON																				
CV6031	Substantial Completion Declared	CM																				
CV6073	Complete Deferred Punch List/Seasonal Activities	CON																				
CV6079	Project Construction Complete	CM																				
CV6080	Close Out Construction Contracts	CM																				
CV6089	Construction Contracts Complete	CM																				
CV6090	Close Out A/E Contract	CM																				
CV6092	Project Completion Declared	CM																				

NOTE:
 Refer to section "TV Project Schedule" of the
 Scope of Work for contract phase durations.

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DBCA - TEST

Sheet 3 of 3

Bureau of Design & Construction Services

EXHIBIT 'A'



Project Site Location Map - PHEAL
EXHIBIT 'B'

NJ Public Health Environmental and Agricultural Laboratories

SECURITY UPGRADE RECOMMENDATIONS / ROUGH ORDER OF MAGNITUDE OPINION OF PROBABLE CONSTRUCTION COST

Phase	Item	Description	Takeoff Quantity	Material Cost	Material Unit	Material Amount	Labor Cost	Labor Unit	Labor Amount	Equip Cost	Equip Amount	Total Cost/Unit	Total Amount	Grand Total Amount	
Existing Conditions															
02-41-13.02	0400	Remove existing chain beam	1	0	ea	0	0	ea	356	37.06	0	400.96	ea	400.96	979.33
02-41-13.02	0400	Restore existing gate to accessible pop up barrier	1	0	ea	0	0	ea	828	174.12	174	861.90	ea	861.90	1,841.23
Openings															
06-12-13.13	2840	Frame, steel, tank door, hollow metal, double, 14 ga., up to 3'-7 1/2" deep, 7'-0" h x 6'-0" w	2	583.16	ea	1166.32	0	ea	366	-	-	749.63	ea	1,522.08	3,418.33
06-13-13.13	0100	Door, hollow metal, commercial steel, steel, full panel, hollow-core, 1-5/8" thick, 26 ga., 7'-0" x 7'-0"	1	1,012.44	ea	1012.44	0	ea	166	-	-	1,178.81	ea	1,178.81	1,299.26
06-11-30.15	3500	Door hardware	2	275.34	door	550.68	0	door	458	-	-	832.29	door	1,264.34	2,867.86
Finishes															
09-21-14.33	4200	Partition wall, gypsum board on metal studs, finished both sides	70	4.29	sf	299.3	0	sf	604	-	-	17.16	sf	1,197.00	2,927.48
09-41-23.35	0140	Paint new door, both sides including trim, 3 coats	1	32.65	ea	32.65	0	ea	286	-	-	416.77	ea	416.77	1,548.17
06-41-23.72	3240	Paint walls, 3 coats	140	1.47	sf	205.8	0	sf	414	-	-	4.82	sf	674.88	1,814.26
Electrical															
26-06-33.13	1770	Rigid galvanized steel conduit, 3/4" diameter, allowance for additional conduits	420	1.48	lf	621.6	0	lf	260	-	-	12.01	lf	6,934.20	6,937.17
27-15-13.13	7240	Unshielded twisted pair (UTP) cable, subd, PVC jacket, 824 4 pair, category 6	320	63.62	sf	20366.4	0	sf	31206	-	-	161.14	sf	1,564.80	190,871.36
Electronic Safety and Security															
26-15-11.11	0200	Replacement locksets	13	339.00	ea	4407	0	ea	1304	-	-	275.73	ea	4,887.41	10,694.80
26-15-11.11	0160	Card reader	95	154.00	ea	14630	0	ea	36309	-	-	238.21	ea	51,129.95	134,267.16
26-16-11.11	1120	Door lock, one per door	2	155.00	ea	310	0	ea	614	-	-	622.37	ea	1,224.74	2,892.68
26-23-13.10	2200	Replace PTZ cameras on exterior with fixed cameras	8	297.00	ea	2376	0	ea	8417	-	-	1,200.09	ea	10,000.00	32,876.77
26-23-13.10	2200	Add cameras per mapup	21	147.00	ea	3087	0	ea	19941	-	-	1,088.81	ea	22,888.11	45,149.96
26-23-13.10	2200	Replace existing cameras	28	187.00	ea	5236	0	ea	6288	-	-	1,099.91	ea	62,144.76	166,117.38
26-23-13.10	2200	Security control system, including software, hardware, implementation, training and support, activation	1	-	ea	0	0	ea	0	-	-	90,000.00	ea	90,000.00	104,616.71
Exterior Improvements															
32-17-13.13	1900	Removable bollards	3	448.24	ea	1344.72	0	ea	474	43.80	151	850.30	ea	2,560.00	6,872.30
32-17-13.13	1900	Pop-up barrier	1	35,000.00	ea	35,000.00	0	ea	25000	6,000.00	6,000	45,000.00	ea	45,000.00	106,264.16
34-71-13.26	0100	Vehicle gate rails	75	42.14	lf	3160.5	0	lf	823	-	-	48.00	lf	3,600.00	7,881.75
Totals							8884.71		17932		990		115,688.76	796,521.49	

Estimate Totals

Description	Amount	Totals	Rate
Labor	179,320		
Material	80,837		
Subcontract	50,000		
Equipment	5,963		
Other	315,462	322,201	
Labor Burden	90,995		45.00 %
Overhead and Profit (Subcontractor)	58,053		19.00 %
	464,810		
General Contingency	45,981		10.00 %
Contingency	108,278		20.00 %
General Liability	6,917		1.00 %
Ballistic Risk	3,834		0.50 %
Performance and Payment Bonds	12,234		
Overhead and Profit	62,358		10.00 %
Design	64,568		8.00 %
Total		780,621	

**DEPARTMENT OF THE TREASURY
DIVISION OF PROPERTY MANAGEMENT & CONSTRUCTION**

REQUEST FOR PROPOSAL (DESIGN CONSULTANT SERVICES)

DPMC PROJECT NO.: M1598-00 SBE Set-Aside

Project Description: Security Upgrades
NJ Public Health, Environmental and Agriculture Laboratory
Ewing, Mercer County, NJ

Firms:

- STV ARCHITECTS, INC.
- CURTIS + GINSBERG ARCHITECTS LLP
- HISTORIC BUILDING ARCHITECTS, LLC
- YEZZI ASSOCIATES, LLC
- RODIER EBERSBERGER ARCHITECTS, LLC
- MISTRY DESIGN, LLC
- STUDIO HILLIER, LLC
- TBS SERVICES, INC
- NV5 - ARCHITECTURE, PC
- VAUGHN COLLABORATIVE (THE)

Second Selection Dated August 23, 2023

- SPIEZLE ARCHITECTURAL GROUP, INC
- STV ARCHITECTS, INC
- MASSA MULTIMEDIA ARCHITECTURE, PC
- HISTORIC BUILDING ARCHITECTS, LLC
- GANNETT FLEMING ARCHITECTS, INC.
- PRESERVATION DESIGN PARTNERSHIP, LLC
- HDR ARCHITECTS & ENGINEERS, PC
- HUBBARD ASSOCIATES, LLC DBA SETTEMBRINO
- TAHERI ARCHITECTURE, INC.
- BUCKL ARCHITECTS NJ, PC

Third Selection Dated August 24, 2023

- KLIMENT HALSBAND ARCHITECTS, LLP
- CERMINARA GROUP, INC. DBA CERMINARA ARCH
- MICHAEL BAKER INTERNATIONAL ARCHITECTS
- ARCARI & IOVINO ARCHITECTS, PC
- DE BIASSE & SEMINARA ARCHITECTS, PC
- HQW ARCHITECTS, LLC
- POLATNICK ZACHARJASZ ARCHITECTS, LLC
- IKON.5 ARCHITECTS
- GOODY CLANCY ARCHITECTURE, LLC
- LAURENCE E. PARISI, PC

Mandatory Pre-Proposal Meeting/Site Visit: Tuesday, August 29, 2023 at 10:00 AM
--

Proposal Due Date (Electronic Submission): Tuesday, September 12, 2023, NO LATER THAN 2:00 PM
--

This confirms that your firm was randomly selected from the list of pre-qualified firms in your discipline/specialty category and is invited to submit a proposal for this project. **Attached is the Consultant Proposal Package for this project. The Scope of Work is available on the Division's website at <https://www.nj.gov/treasury/dpmc/>**

The mandatory pre-proposal meeting/site visit is scheduled for **Tuesday, August 29, 2023 at 10:00 AM**. Consultants shall meet at NJ Public Health, Environmental and Agriculture Laboratory, 3 Schwarzkopf Drive, Ewing, Mercer County, NJ 08628 (Rain or Shine.) Only those firms attending the mandatory pre-proposal meeting will be permitted to submit a proposal. For more information on the site visit or the Scope of Work, please call Joseph Polizzi, DPMC Project Design Manager at (609) 218-0260.

PROPOSAL DELIVERY (refer to Section V. Submission for further instructions):

- The proposal package submission for this project will be conducted electronically.
- Hard copies of the proposal submission will not be accepted.
- Proposals submitted after the 2:00 pm deadline will not be accepted.

Subsequent to receipt of this Consultant Proposal Package and the Scope of Work, should your firm decide not to participate, please notify Jennifer Roeckel via email at [REDACTED] as soon as possible.

Jennifer Roeckel

Consultant Selection Coordinator

August 18, 2023

Date

c: C. Geary Consultant Selection Committee Members

CONSULTANT PROPOSAL PACKAGE



STATE OF NEW JERSEY
DEPARTMENT OF THE TREASURY
DIVISION OF PROPERTY MANAGEMENT AND CONSTRUCTION
33 WEST STATE STREET, 9TH FLOOR
P. O. BOX 034
TRENTON, NEW JERSEY 08625-0034

CONSULTANT PROPOSAL PACKAGE - INSTRUCTIONS

I. CONTENTS

This Consultant Proposal Package contains the following documents:

- (a) Request for Proposal (Cover Letter and Instructions)
- (b) Key Team Member Project Experience Data Sheet
- (c) Project Key Personnel List
- (d) Sample Technical Proposal Evaluation Form
- (e) Professional Services Fee Proposal
- (f) Consultant Task/Labor/Fee Sheet
- (g) Sub-Consultant Task/Labor/Fee Sheet
- (h) Scope of Work (Available on the DPMC website at https://www.nj.gov/treasury/dpmc/project_routine_advertisements.shtml)
- (i) Agreement Between the State of New Jersey and the Consultant
- (j) A/E General Conditions Revised May 2016
- (k) Addendum "A"

II. GENERAL INFORMATION

The proposal submitted by each consultant will be in two parts:

- (a) Technical Proposal (submitted via email. See instruction below)
- (b) Fee Proposal (submitted via email. See instruction below)

The technical proposal and fee proposal must be separate attachments. You are permitted to submit the technical and fee proposals in separate email but they both must arrive by the deadline.

III. TECHNICAL PROPOSAL

The Technical Proposal package, which must be completed by the Consultant and returned, consists of the following:

- (a) Cover letter and Firm/Project Team experience
- (b) Organization Chart
- (c) Resumes of Key Team Members
- (d) Key Team Members Project Experience Data Sheet (form enclosed)
- (e) Project Key Personnel List (form enclosed)
- (f) Project Approach
- (g) Project Schedule/Narrative
- (h) Certificate of Employee Information Report
- (i) Certification of Public Law 2005, Chapter 92

Please ensure that all the above items are addressed in the order presented here in your technical proposal. A sample of the "Technical Evaluation Form" is included in the package for your information. Each firm's technical proposal will be evaluated on the criteria listed on this form to determine your firm's ability to successfully complete the project.

You may include any photos, graphics, etc., that relate to your firm's past experience and qualifications for this project; however, please keep your proposal as concise as possible.

Consultant/Sub-Consultant Prequalification

Consultants are randomly selected from the list of firms pre-qualified with the Division of Property Management & Construction (DPMC) in the discipline(s)/specialty category (ies) required for the successful completion of the project as described in the Scope of Work.

Consultants must have in-house capabilities or Sub-Consultants to perform all other prequalified architectural, engineering and/or specialty discipline work as described in the project Scope of Work. All Sub-Consultants must be appropriately pre-qualified with the DPMC in the specific discipline/specialty category for the work to be performed on the project. A listing of all the prequalified disciplines can be found on DPMC's website at www.state.nj.us/treasury/dpmc.

Consultants and Sub-Consultants must be pre-qualified in the required discipline/specialty category by the **due date of the project proposal**. If, upon review of the proposal, Consultants/Sub-Consultants are determined to be without the appropriate pre-qualification for a particular discipline(s), the proposal will be deemed non-responsive. Joint Venture firms must be separately prequalified in the discipline(s) required by the project scope of work with at least one of the joint venture firms have the required DPMC prequalification rating.

(a) Cover Letter and Firm Experience

Limit your description of your firm's experience to approximately five projects similar in scope, complexity, construction cost, etc. If sub-consultants are proposed for this project, include their relative experience as well.

(b) Organization Chart

The organization chart should include all of the key team members, including sub-consultants (if appropriate), their titles for this project and the firms they represent. For the purpose of this contract, a "key person" is a principal, partner or officer of the firm, project executive, project manager, senior designer or other person represented in the technical proposal as having a responsible role in the successful completion of this project and generally spending 20% or more of their time on any phase of the project.

(c) Resume

Include a resume of each key team member.

(d) Key Team Member Project Experience Data Sheet (Form provided)

Complete one form for each key team member. Reproduce this form as needed. List the requested information for past projects that are similar in scope to this project.

(e) Project Key Personnel / Team Member List (Form provided)

Complete one sheet providing the information requested and continue on to another sheet only if needed. Do not prepare a separate sheet for each sub-consultant.

Based upon a 40-hour workweek, indicate generally the percentage of time each key person will spend on this project at each phase.

The wage level (1-7) you provide in the right hand column will indicate the level of personnel expertise dedicated to each project phase, thereby assisting the evaluators in their technical evaluations. **Do not include the hourly rates**; only provide the appropriate number 1 thru 7 which reflects the qualification level of the team members. (see attachment 1, "Personnel Levels")

(f) Project Approach

Describe your firm's approach to completing the project in accordance with the Scope of Work.

(g) Project Schedule

This section must include a bar chart schedule (in calendar days), indicating major project milestones and a narrative, explaining any techniques you plan to use to meet or reduce the project's proposed schedule.

(h) Certificate of Employee Information Report

Pursuant to N.J.A.C. 17:27-1.1 et. seq., all firms contracting with the State of New Jersey must comply with the requirements of N.J.S.A. 10:5-31 et seq. and N.J.A.C. 17:27, regarding non-discrimination in employment. For your information, copies of Exhibits A and B are included in the A/E General Conditions Revised May 2016. Attached for your information is the State contract policy with respect to the Americans With Disabilities Act.

All firms contracting with the State of New Jersey must provide a copy of the firm's Certificate of Employee Information Report, issued by the NJ Division of Contract Compliance & Equal Employment Opportunity. Please attach a copy of this certificate within your technical proposal.

The application form for the Certificate of Employee Information Report is form AA302 and may be obtained from the Div. of Contract Compliance & EEO's web page which is "http://www.state.nj.us/treasury/contract_compliance/"

**NJ Department of the Treasury
Division of Contract Compliance & EEO
P. O. Box 209
Trenton, NJ 08625-0209**

This AA302 is required of the successful proposer and prior to execution of the contract.

(i) Certification of Public Law 2005, Chapter 92

In accordance with Public Law 2005, Chapter 92 (N.J.S.A. 52:34-13.2 et seq., superseding Executive Order 129 (2004)) all bidders submitting a proposal shall be required to submit a Source Disclosure Certification that all services will be performed in the United States. The bidder shall disclose the location by country where services under the contract will be performed and any subcontracting of services under the contract and the location by country where any subcontracted services will be performed.

(j) Copies of "Proof of Business Registration Certificate," issued by the NJ Division of Revenue, for your firm and any sub-consultants.

This registration is requested as part of the Technical Proposal, but is required prior to the award of the project.

(k) Ownership Disclosure Form

Complete and return Ownership Disclosure Form or provide proof your firm has done so and it is not more than (6) six months old.

IV. FEE PROPOSAL

The Fee Proposal package consists of the following:

- (a) **Professional Services Fee Proposal (Cover Sheet)**
- (b) **Consultant Task/Labor Sheet**
- (c) **Sub-consultant Task/Labor Sheet (if needed)**
- (d) **Proof of Required Insurance Coverage**
- (e) **Proof of Business Registration Certificate for the Prime and Sub Consultants**
- (f) **Americans with Disabilities Act (State Contract Language)**
- (g) **MacBride Principle Compliance Certification**
- (h) **Investment Activities in Iran**
- (i) **Ownership Disclosure Form**
- (j) **Consultant's SBE Set-Aside Plan (forms and requirements included in Addendum "A")**

(a) **Professional Services Fee Proposal (Form provided)**

This document is the cover sheet of your fee proposal. Fill in the dollar amount from your completed task/labor sheets. If you are not using any sub-consultant on this project enter "N/A" on this line. Do not leave any blanks.

REQUIRED ALLOWANCES (as referenced in the Scope of Work)

1. Plan Review and Permit Fee Allowance

The consultant will be responsible for all work requested by the Division in the "Allowance" section of the Scope of Work such as materials testing during construction, surveys, soil test borings, water flow test, electrical tests, geotechnical investigations, etc. If the dollar amount of the allowance is not provided by the Division, you must anticipate all associated costs for this work and include the amount on the line entitled "Allowance for Work Specified by the Division" on the Fee Proposal form. If no allowances are requested by the Division, this line will be marked "N/A."

You may also include an allowance for any additional investigation survey work or testing which may require the hiring of various contractors to verify "as-built" or existing conditions. If the SOW does not provide for these services but you consider them to be necessary to the success of this project, describe them in your project approach narrative and include your recommended allowance on the line entitled "Allowance Proposed by Consultant." Contractors (Tradesmen) hired by your firm to do the work directly under your supervision do not need to be pre-qualified by the Division. If you have no additional recommended allowance, enter "N/A" on this line. Do not leave any blanks.

- (b) **Consultant Task/Labor Fee Sheet**
(c) **and Sub Consultant Task/Labor/Fee Sheet (Form provided)**

Your proposal is based upon a lump sum amount for all professional services indicated and includes all required site visits, office support and reproduction expenses.

It is your responsibility to ensure that your sub-consultants participate in all appropriate phases of the project. Therefore, you must anticipate the amount of hours required by your sub-consultants for each project phase (including attendance at the various design and construction job meetings, site visits, close out activities, etc.). These hours of effort must be determined by you from the Project's Scope of Work and must be included on the "Consultant Task/Labor/Fee Sheet" for each sub-consultant identified. The hours of effort for each project phase or task by discipline submitted on the Task/Labor Tally Sheet will be used by the Selection Committee in their evaluation of your fee proposal.

During the project, the only tasks that will be monitored for actual hours spent on this project and subject to audit are those tasks or deliverables that are clearly delineated in the SOW, such as attendance at a specific number of meetings, site visits or the submission of the proper number of contract documents specified.

Include the reproduction costs by phase on this form. These costs are included in your lump sum fee and therefore will not be treated as a reimbursable expense.

If you are not using sub-consultants on the project, do not submit the Sub-Consultant form.

- (d) **Proof of Required Insurance Coverage**

Your firm is required to secure and maintain in force insurance coverage for: Comprehensive General Liability, Comprehensive Automobile Liability (if applicable), Workers Compensation, and Professional Liability. Proof of this coverage must be submitted with your fee proposal. See the attached "Insurance Requirements" excerpt from the "General Conditions to the Consultant Agreement."

Check the lower left hand corner of the "Professional Services Fee Proposal Form" for the required Professional Liability insurance limits for this contract to make certain that your policy meets the limits.

- (e) **Business Registration Certificate**

Copies of "Proof of Business Registration Certificate", issued by the NJ Division of Revenue for your firm and any sub-consultants. This should be included with your proposal, but, if not, must be provided prior to contract award.

- (f) **Americans with Disabilities Act** (State contract language)

- (g) **MacBride Principles Certificate**

Complete form, sign and date

- (h) **Investment Activities in Iran**

The Investment Activities in Iran form should be included with your proposal, but, if not, must be provided prior to contract award.

- (i) **Ownership Disclosure Form**
Complete and return Ownership Disclosure Form or provide proof your firm has done so and it is not more than (6) six months old.
- (j) **(SBE) Set-Aside Plan**
Complete Forms (included in Addendum "A")

V. SUBMISSION

PROPOSAL DELIVERY INSTRUCTIONS:

- **THE PROPOSAL PACKAGE SUBMISSION FOR THIS PROJECT WILL BE CONDUCTED ELECTRONICALLY.** Proposals shall be submitted electronically (via email), to the following email addresses:
[REDACTED]
- The proposal package email must include two attachments. The first attachment will be your technical proposal and the second attachment will be the fee proposal. **DO NOT SUBMIT THE FEE AND TECHNICAL PROPOSAL AS ONE FILE.** Only PDF's will be accepted and the file size cannot exceed 20 mb. If there are any questions regarding the submission of the proposals you may email your question to [REDACTED] and [REDACTED]
- **HARD COPIES OF THE PROPOSAL SUBMISSION WILL NOT BE ACCEPTED**
- **DO NOT INCLUDE THE SELECTION COMMITTEE ON THE EMAIL.**

DO NOT INCLUDE ANY FEE INFORMATION IN YOUR TECHNICAL PROPOSAL. ONLY INCLUDE THE HOURLY WAGE LEVELS ON THE "PROJECT KEY PERSONNEL LIST" IN YOUR TECHNICAL PROPOSAL. INCLUSION OF FEE INFORMATION WITHIN THE TECHNICAL PROPOSAL MAY RESULT IN THE REJECTION OF THE CONSULTANT'S ENTIRE SUBMISSION.

VI. EVALUATION, NEGOTIATION AND AWARD

Subsequent to the evaluation and ranking of the technical proposals by the Selection Committee, the fee proposals will be opened and negotiations, if necessary, will begin with the technically ranked number one firm. Once the final fee proposal for this project is accepted, the DPMC Contracting Officer will award the contract to the single firm considered to offer the best value to the State.

Upon award, the successful firm will receive a "Notice of Award/Notice to Proceed" letter from the DPMC Assistant Deputy Director and the unsuccessful firms will receive letters informing them of the award.

VII. REVISIONS/CHANGES

Your firm will be notified of any revisions, changes or additions to this Request for Proposal, Consultant Proposal Package and/or project Scope of Work prior to the due date for the Technical and Fee Proposals by Addendum.

ATTACHMENT 1
PERSONNEL LEVELS

LEVEL 7

Title: **Principal, partner or officer of the firm**
Duties: Overall responsibility for the legal, technical and financial obligation of the firm.

Qualifications: Current License in applicable discipline, if required by law.
Experience: N/A

LEVEL 6

Title: **Project Executive**
Duties: Under direct leadership of principal, controls project scheduling and management.

Qualifications: Current license in applicable discipline, if required by law.
Experience: N/A

LEVEL 5

Title: **Project Manager**
Duties: Under direction of Project Executive, directs day-to-day operations of the project, scheduling deadlines, group work activities, etc.

Qualifications: BA, BS degree or equivalent experience.
Experience: Minimum 7 years.

LEVEL 4

Title: **Senior Designer; Senior Engineer**
Duties: Under supervision of Project Manager, reviews project elements to conform to project requirements, directs designer and others on projects.

Qualifications: BA, BS degree or equivalent experience.
Experience: Minimum 5 years

LEVEL 3

Title: **Designer; Abatement Service Technician**
Duties: Under supervision of Designer or Engineer takes designed systems and layout data and sketches and translates into usable information on construction documents or feasibility studies.

Qualifications: BA, BS degree or equivalent experience; AST certification, if required.
Experience: Minimum 3 years

LEVEL 2

Title: **Designer/Draftsperson**
Duties: Takes simple systems and layout data and sketches and translates into usable information; performs drafting as required for construction documents, etc.

Qualifications: High School Graduate, Technical School, or equivalent, with courses in discipline.
Experience: Minimum 3 years direct work experience within discipline.

LEVEL 1

Title: **Draftsperson**
Duties: Performs all entry level tasks: Assembles tracings for review, printing; keeps logs of tracings, shop drawings; performs tracing and drafting chores, etc.

Qualifications: High School Graduate, Technical School or equivalent with courses in discipline.
Experience: N/A

Routine Contract Technical Proposal Evaluation

PROJECT: Security Upgrades
NJ Public Health, Environmental and Agriculture Laboratory

DPMC NUMBER: M1598-00

FIRM: _____

RETURN BY: _____

CRITERIA <i>Provide comments in each criteria area to justify point score</i>	MAX. POINTS	POINTS
<i>FIRM / TEAM ORGANIZATION / SUB-CONSULTANTS</i>	30	
<i>FIRM / PROJECT TEAM EXPERIENCE ON SIMILAR PROJECTS</i>	30	
<i>PROJECT APPROACH</i>	30	
<i>PROJECT SCHEDULE</i>	10	
FINAL SCORE		

1
2
3

 EVALUATOR

DATE

MAC BRIDE PRINCIPLES COMPLIANCE CERTIFICATION

Pursuant to Public Law 1995, c.134, a responsible consultant selected, after public bidding, by the Director of the Division of Property Management and Construction, pursuant to N.J.S.A. 52:32-2, must complete the certification below by checking one of the two representations listed and signing where indicated. If a consultant who would otherwise be awarded a contract or agreement does not complete the certification, then the Director may determine, in accordance with applicable law and rules, that it is in the best interest of the State to award the contract or agreement to another consultant who has completed the certification and has submitted a fee proposal within five (5) percent of the most advantageous fee proposal. If the Director finds the consultant to be in violation of the principles which are the subject of this law, he shall take such action as may be appropriate and provided for by law, rule or contract, including, but not limited to, imposing sanctions, seeking compliance, recovering damages, declaring the consultant in default and seeking debarment or suspension of the consultant.

I certify, pursuant to N.J.S.A. 52:34-12.2, that the entity for which I am authorized to bid:

_____ has no ongoing business activities in Northern Ireland and does not maintain a physical presence therein through the operation of offices, plants, factories, or similar facilities, either directly or indirectly, through intermediaries, subsidiaries or affiliated companies over which it maintains effective control; or

_____ will take lawful steps in good faith to conduct any business operations it has in Northern Ireland in accordance with the MacBride principles of nondiscrimination in employment as set forth in N.J.S.A. 52:18A-89.5 and in conformance with the United Kingdom's Fair Employment (Northern Ireland) Act of 1989, and permit independent monitoring of their compliance with those principles.

I certify that the foregoing statements made by me are true. I am aware that if any of the foregoing statements made by me are willfully false, I am subject to punishment.

Signature of Consultant

Dated:

AMERICANS WITH DISABILITIES ACT

State Contract Language

Equal Opportunity for Individuals with Disabilities

The CONTRACTORS and the STATE do hereby agree that the provision of Title II of the Americans With Disabilities Act of 1990 (the "Act") (42 U.S.C. S12101 et, seq.), which prohibits discrimination on the basis of disability by public entities in all services, programs and activities provided or made available by public entities, and the rules and regulations promulgated pursuant thereunto, are made a part of this contract. In providing any aid, benefit, or service on behalf of the STATE pursuant to this contract, the CONTRACTOR agrees that the performance shall be in strict compliance with the Act. In the event that the CONTRACTOR, its agents, servants, employees or subcontractors violate or are alleged to have violated the Act during the performance of this contract, the CONTRACTOR shall defend the STATE in any action or administrative proceeding commenced pursuant to this Act. The CONTRACTOR shall indemnify, protect, and save harmless the STATE, its agents, servants, and employees from and against any and all suits, claims, losses, demands, or damages of whatever kind or nature arising out of or claimed to arise out of the alleged violation. The CONTRACTOR shall, at its own expense, appear, defend and pay any and all charges for legal services and any and all costs and other expenses arising from such action or administrative proceeding or incurred in connection therewith. In any and all complaints brought pursuant to the STATE's grievance procedure, the CONTRACTOR agrees to abide by any decision of the STATE which is rendered pursuant to said grievance procedure. If any action or administrative proceeding results in an award of damages against the STATE, or if the STATE incurs any expense to cure a violation of the ADA which has been brought pursuant to its grievance procedure, the CONTRACTOR shall satisfy and discharge the same at its own expense.

The STATE shall, as soon as practicable after a claim has been made against it, give written notice thereof to the CONTRACTOR along with full and complete particulars of the claim. If any action or administrative proceeding is brought against the STATE or any of its agents, servants, and employees, the STATE shall expeditiously forward or have forwarded to the CONTRACTOR every demand, complaint, notice, summons, pleading, or other process received by the STATE of its representatives.

It is expressly agreed and understood that any approval by the STATE of the services provided by the CONTRACTOR pursuant to this contract will not relieve the CONTRACTOR of the obligation to comply with the Act and to defend, indemnify, protect, and save harmless the STATE pursuant to this paragraph.

It is further agreed and understood that the STATE assumes no obligation to indemnify or save harmless the CONTRACTOR, its agents, servants, employees and subcontractors for any claim which may arise out of their performance of this Agreement. Furthermore, the CONTRACTOR expressly understands and agrees that the provisions of this indemnification clause shall in no way limit the CONTRACTOR's obligations assumed in this Agreement, nor shall they be construed to relieve the CONTRACTOR from any liability, nor preclude the STATE from taking any other actions available to it under any other provisions of the Agreement or otherwise at law.

Public Law 2005, Chapter 92

Formerly: Executive Order 129

SOURCE DISCLOSURE CERTIFICATION FORM

Bidder: _____

I hereby certify and say:

I have personal knowledge of the facts set forth herein and am authorized to make this Certification on behalf of the Bidder.

The Bidder submits this Certification as part of a bid proposal in response to the referenced solicitation issued by the State of New Jersey, Department of Treasury, Division of Property Management and Construction (DPMC), in accordance with the requirements of Public Law 2005, Chapter 92, (N.J.S.A. 52:34-13.2 et seq., superseding Executive Order 129 (2004)).

The following is a list of every location where services will be performed by the bidder and all subcontractors.

<u>Bidder or Subcontractor</u>	<u>Description of Services</u>	<u>Performance Location(s) by Country</u>
--------------------------------	--------------------------------	---

Any changes to the information set forth in this Certification during the term of any contract awarded under the referenced Project Number will be immediately reported by the Bidder to the Contract Compliance Unit in the DPMC, Department of Treasury, State of New Jersey, PO Box 034, Trenton, NJ 08625.

I understand that, after award of a contract to the Bidder, it is determined that the Bidder has shifted services declared above to be provided within the United States to sources outside the United States, prior to a written determination by the Director, Division of Property Management and Construction, that extraordinary circumstances require the shift of services or that the failure to shift the services would result in economic hardship to the State of New Jersey, the Bidder shall be deemed in breach of contract, which contract will be subject to termination for cause under its contract with DPMC.

I further understand that this Certification is submitted on behalf of the Bidder in order to induce DPMC to accept a bid proposal, with knowledge that the State of New Jersey and DPMC are relying upon the truth of the statements contained herein.

I certify that, to the best of my knowledge and belief, the foregoing statements by me are true. I am aware that if any of the statements are willfully false, I am subject to punishment.

Bidder: _____
[Name of Organization or Entity]

By: _____

Title: _____

Print Name: _____

Date: _____

DISCLOSURE OF INVESTMENT ACTIVITIES IN IRAN FORM

BID SOLICITATION # AND TITLE: M1598-00

BIDDER NAME: _____

Pursuant to N.J.S.A. 52:32-57, et seq. (P.L. 2012, c.25 and P.L. 2021, c.4) any person or entity that submits a bid or proposal or otherwise proposes to enter into or renew a contract with the State of New Jersey must certify that neither the person nor entity, nor any of its parents, subsidiaries, or affiliates, is identified on the New Jersey Department of the Treasury’s Chapter 25 List as a person or entity engaged in investment activities in Iran. The Chapter 25 list is found at <https://www.state.nj.us/treasury/purchase/pdf/Chapter25List.pdf>. Bidders must review this list prior to completing the below certification. If the Director of the Division of Property Management and Construction finds a person or entity to be in violation of the law, s/he shall take action as may be appropriate and provided by law, rule or contract, including but not limited to; imposing sanctions, seeking compliance, recovering damages, declaring the party in default and/or seeking debarment or suspension of the party.

CHECK THE APPROPRIATE BOX

I certify, pursuant to N.J.S.A. 52:32-57, et seq. (P.L. 2012, c.25 and P.L. 2021, c.4), that neither the Bidder listed above nor any of its parents, subsidiaries, or affiliates is listed on the New Jersey Department of the Treasury’s Chapter 25 List of entities determined to be engaged in prohibited activities in Iran.

OR

I am unable to certify as above because the Bidder and/or one or more of its parents, subsidiaries, or affiliates is listed on the New Jersey Department of the Treasury’s Chapter 25 List. I will provide a detailed, accurate and precise description of the activities of the Bidder, or one of its parents, subsidiaries or affiliates, has engaged in regarding investment activities in Iran by completing the information requested below.

Entity Engaged in Investment Activities _____

Relationship to Bidder _____

Description of Activities _____

Duration of Engagement _____

Anticipated Cessation Date _____

Attach Additional Sheets If Necessary.

CERTIFICATION

I, the undersigned, certify that I am authorized to execute this certification on behalf of the Bidder, that the foregoing information and any attachments hereto, to the best of my knowledge are true and complete. I acknowledge that the State of New Jersey is relying on the information contained herein, and that the Bidder is under a continuing obligation from the date of this certification through the completion of any contract(s) with the State to notify the State in writing of any changes to the information contained herein; that I am aware that it is a criminal offense to make a false statement or misrepresentation in this certification. If I do so, I will be subject to criminal prosecution under the law, and it will constitute a material breach of my agreement(s) with the State, permitting the State to declare any contract(s) resulting from this certification void and unenforceable.

Signature

Date

Print Name and Title



OWNERSHIP DISCLOSURE FORM
 STATE OF NEW JERSEY
 DEPARTMENT OF THE TREASURY - DIVISION OF PROPERTY MANAGEMENT &
 CONSTRUCTION
 33 WEST STATE STREET, P.O. BOX 230 TRENTON, NEW JERSEY 08625-0230

VENDOR NAME:

PURSUANT TO N.J.S.A. 52:25-24.2, ALL PARTIES ENTERING INTO A CONTRACT WITH THE STATE ARE REQUIRED TO PROVIDE A STATEMENT OF OWNERSHIP.

Please answer all questions and complete the information requested.

- | | | |
|--|--------------------------|--------------------------|
| | YES | NO |
| 1. The vendor is a Non-Profit Entity ; and therefore, no disclosure is necessary. | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. The vendor is a Sole Proprietor ; and therefore, no other disclosure is necessary.
A Sole Proprietor is a person who owns an unincorporated business by himself or her-self.
A limited liability company with a single member is not a Sole Proprietor. | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. The vendor is a corporation, partnership, or limited liability company with individuals, partners, members, stockholders, corporations, partnerships, or limited liability companies owning a 10% or greater interest; and therefore, disclosure is necessary. | <input type="checkbox"/> | <input type="checkbox"/> |

If you answered **YES** to Question 3, you must disclose the information requested in the space below.*

- (a) the names and addresses of all stockholders in the corporation who own 10% or more of its stock, of any class;
- (b) all individual partners in the partnership who own a 10% or greater interest therein; or,
- (c) all members in the limited liability company who own a 10% or greater interest therein.

NAME _____	NAME _____	
ADDRESS _____	ADDRESS _____	
ADDRESS _____	ADDRESS _____	
CITY _____ STATE _____ ZIP _____	CITY _____ STATE _____ ZIP _____	

NAME _____	NAME _____	
ADDRESS _____	ADDRESS _____	
ADDRESS _____	ADDRESS _____	
CITY _____ STATE _____ ZIP _____	CITY _____ STATE _____ ZIP _____	

- | | | |
|---|--------------------------|--------------------------|
| | YES | NO |
| 4. For each of the corporations, partnerships, or limited liability companies identified in response to Question #3 above, are there any individuals, partners, members, stockholders, corporations, partnerships, or limited liability companies owning a 10% or greater interest of those listed business entities? | <input type="checkbox"/> | <input type="checkbox"/> |

If you answered **YES** to Question 4, you must disclose the information requested in the space below.*

- (a) the names and addresses of all stockholders in the corporation who own 10% or more of its stock, of any class;
- (b) all individual partners in the partnership who own a 10% or greater interest therein; or,
- (c) all members in the limited liability company who own a 10% or greater interest therein. The disclosure(s) shall be continued until the names and addresses of every non-corporate stockholder, individual partner, and/or member a 10% or greater interest has been identified.

NAME _____	NAME _____	
ADDRESS _____	ADDRESS _____	
ADDRESS _____	ADDRESS _____	
CITY _____ STATE _____ ZIP _____	CITY _____ STATE _____ ZIP _____	

NAME _____	NAME _____	
ADDRESS _____	ADDRESS _____	
ADDRESS _____	ADDRESS _____	
CITY _____ STATE _____ ZIP _____	CITY _____ STATE _____ ZIP _____	

NAME _____	NAME _____	
ADDRESS _____	ADDRESS _____	
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CITY _____ STATE _____ ZIP _____	CITY _____ STATE _____ ZIP _____	

NAME _____	NAME _____	
ADDRESS _____	ADDRESS _____	
ADDRESS _____	ADDRESS _____	
CITY _____ STATE _____ ZIP _____	CITY _____ STATE _____ ZIP _____	

5. As an alternative to completing this form, a Vendor with any direct or indirect parent entity which is publicly traded, may submit the name and address of each publicly traded entity and the name and address of each person that holds a 10% or greater beneficial interest in the publicly traded entity as of the last annual filing with the federal Securities and Exchange Commission or the foreign equivalent, and, if there is any person that holds a 10% or greater beneficial interest, also shall submit links to the websites containing the last annual filings with the federal Securities and Exchange Commission or the foreign equivalent and the relevant page numbers of the filings that contain the information on each person that holds a 10% or greater beneficial interest.*

Attach additional sheets if necessary)
