

**RFP2019-08: ENGINEERING, DESIGN AND CONSTRUCTION INSPECTION SERVICES FOR STRUCTURAL IMPROVEMENTS TO  
FIREHOUSE APPARATUS FLOOR AT ENGINE NO. 8 FOR THE CITY OF TRENTON, DEPARTMENT OF PUBLIC WORK  
PROPOSAL OPENING 1/30/19 AT 11:00AM**

[illegible]



### **Cost Proposal by Phase**

Design Phase:	\$8,250
Bid Phase:	\$2,540
Construction Phase:	<u>\$3,850</u>
Project total:	\$14,640

#### **Detailed Phase Costs:**

• Survey and Assessment	\$2,000.00
• 75% Preliminary Construction Plans / Specifications / Bid Document Preparation	\$4,687.50
• Final Construction Plans / Specifications / Bid Document Preparation	\$2,562.50
• Bid Tabulation and Contract Administration	\$1,540.00
• Construction Inspection and Management	\$3,850.00

### **Additional Personnel Fee Schedule**

#### **Fee Schedule for City of Trenton**

Principal Engineer	\$150.00
Design Engineer - Licensed	\$135.00
Design Engineer	\$110.00
Architect	\$150.00
Reg Landscape Architect	\$135.00
Project Manager	\$90.00
Survey Crew	\$135.00
CAD Operator / Draftsman / Technician	\$90.00
Head Inspector / Construction Manager	\$110.00
Inspection / Inspector	\$90.00
Office Administration / Clerical	No Charge

#### **Miscellaneous Reimbursable Expenses:**

Postage, Federal Express, etc.	\$Cost
Printing	\$5.00/sheet
Computer Mylars/Color Plots	\$25.00/sheet
Outside Services or Fees	\$Cost
Color Copies	\$1.50 /each

All outside expenses will be charged at direct cost, no markup to the City of Trenton.

No mileage expenses for travel will be charged to the City of Trenton



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## **TOTAL BASE COST PROPOSAL**

**\$14,490.00**

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Phase I - Survey and Assessment	<b>\$3,175.00</b>
Phase II - 75% Preliminary Submission	<b>\$5,055.00</b>
Phase III - Final Construction Submission	<b>\$1,505.00</b>
Phase IV - Bid Tabulation and Contract Administration	<b>\$490.00</b>
Phase V - Construction Inspection and Management	<b>\$4,265.00</b>
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<b>TOTAL</b>	<b>\$14,490.00</b>

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Alternative 1 - Floor or French Drain	<b>\$13,140.00</b>
Alternative 2 - Entire 1st Floor Replacement	<b>\$7,960.00</b>
Alternative 3 - Laser Scanning	<b>\$1,800.00</b>

*Hourly and unit costs are illustrated in the attachments.*



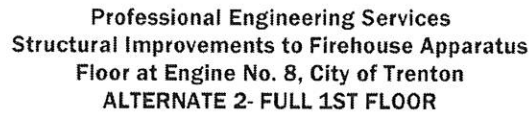
**Professional Engineering Services  
Structural Improvements to Firehouse Apparatus  
Floor at Engine No. 8, City of Trenton**

PHASE	DESCRIPTION	PRINCIPAL	PROJECT MANAGER	LEAD STRUCTURAL ENGINEER	PROJECT ENGINEER	JUNIOR ENGINEER	TOTAL HOURS	COST PER TASK
<b>I</b>	<b>SURVEY &amp; ASSESSMENT</b>							
	Kick-off Meeting and Meeting minutes		1	2			3	\$ 390.00
	As-built inspection, including utility identification			4		2	6	\$ 670.00
	Signed & Sealed as-built plan			1		8	9	\$ 805.00
	Signed & Sealed calculations			6		2	8	\$ 920.00
	Progress Meeting and meeting minutes		1	2			3	\$ 390.00
	<b>TOTAL PHASE I</b>							<b>\$ 3,175.00</b>
<b>II</b>	<b>75% PRELIMINARY CALCULATIONS/SPECIFICATIONS/BID DOCUMENTS</b>							
	Calculations							
	Supplemental Beams			6		2	8	\$ 920.00
	Post & Footings analysis and/or new			6		2	8	\$ 920.00
	75% Plans		1	16			17	\$ 2,140.00
	75% Specs and Project Manual		1	2		2	5	\$ 560.00
	Construction Estimate			1			1	\$ 125.00
	Progress Meeting and meeting minutes		1	2			3	\$ 390.00
	<b>TOTAL PHASE II</b>							<b>\$ 5,055.00</b>
<b>III</b>	<b>FINAL CONSTRUCTION PLANS/SPECIFICATIONS/BID DOCUMENTS</b>							
	Incorporation of revisions					1	1	\$ 85.00
	Finalize design details/connections		1	6			7	\$ 890.00
	Revise Project Manual and Specifications		1	1			2	\$ 265.00
	Revise Cost Estimate		1	1			2	\$ 265.00
	<b>TOTAL PHASE III</b>							<b>\$ 1,505.00</b>
<b>IV</b>	<b>BID TABULATIONS &amp; CONTRACT ADMINISTRATION</b>							
	Review of bids received			1			1	\$ 125.00
	Tabulation of Bids Received					2	2	\$ 170.00
	Recommendation to City		0.5	1			1.5	\$ 195.00
	<b>TOTAL PHASE IV</b>							<b>\$ 490.00</b>
<b>V</b>	<b>CONSTRUCTION ADMINISTRATION &amp; INSPECTION</b>							
	Pre-Con Meeting incl. coordination		1	1			2	\$ 265.00
	RFI, Submittal & Shop Drawing Review			16			16	\$ 2,000.00
	Inspections & Testing							\$ -
	Develop Written Inspection & Testing Schedule			1			1	\$ 125.00
	10 inspection as detailed in proposal			10			10	\$ 1,250.00
	Written Insp. Reports (allow. 10x)			5			5	\$ 625.00
	<b>TOTAL PHASE V</b>							<b>\$ 4,265.00</b>
	(a) Man-hours	0	9.5	91	0	21	121.5	
	(b) 2018 Rate	\$ 150.00	\$ 140.00	\$ 125.00	\$ 110.00	\$ 85.00		
	<b>TOTAL COST: (a)x(b)</b>	\$ -	\$ 1,330.00	\$ 11,375.00	\$ -	\$ 1,785.00		<b>\$ 14,490.00</b>



Professional Engineering Services  
Structural Improvements to Firehouse Apparatus Floor at Engine No. 8, City of  
Trenton  
**ALTERNATE 1- DRAIN**

PHASE	DESCRIPTION	PRINCIPAL	PROJECT MANAGER	LEAD STRUCTURAL ENGINEER	PROJECT ENGINEER	JUNIOR ENGINEER	SENIOR SURVEYOR	FIELD CREW	CAD TECHNICIAN	TOTAL HOURS	COST PER TASK
I	ADDITIONAL SURVEY & ASSESSMENT										
	Land Survey						4	24	40	68	\$5,380.00
	<b>TOTAL PHASE I</b>										\$5,380.00
II	ADDITIONAL 75% PRELIMINARY CALCULATIONS/SPECIFICATIONS/BID DOCUMENTS										
	Calculation										
	Oil/Sand Separator			4	2					6	\$670.00
	Connection/Slope to Storm Water			8							
	75% Plans				2					10	\$1,170.00
	75% Specifications Project Manual		1	24						25	\$3,140.00
	Construction Estimate		1	4						5	\$640.00
	<b>TOTAL PHASE II</b>			1						1	\$125.00
III	ADDITIONAL FINAL CONSTRUCTION PLANS/SPECIFICATIONS/BID DOCUMENTS										
	Finalize design details/connections		1	6						7	\$890.00
	<b>TOTAL PHASE III</b>										\$890.00
IV	ADDITIONAL TABULATIONS & CONTRACT ADMINISTRATION										
	<b>TOTAL PHASE IV</b>										\$890.00
V	ADDITIONAL CONSTRUCTION ADMINISTRATION AND INSPECTION										
	Additional Inspections & Testing										\$-
	4 additional inspection			6						6	\$750.00
	Written Inspection Reports (allow. 4x)			3						3	\$375.00
	<b>TOTAL PHASE V</b>										\$1,125.00
	(a) Man-hours	0	3	56	0	4	4	24	40	131	
	(b) 2018 Rate	\$150.00	\$140.00	\$125.00	\$110.00	\$65.00	\$125.00	\$95.00	\$65.00		
	<b>TOTAL COST: (a)x(b)</b>	\$-	\$420.00	\$7,000.00	\$-	\$340.00	\$500.00	\$2,280.00	\$2,600.00		\$13,140.00



PHASE	DESCRIPTION	PRINCIPAL	PROJECT MANAGER	LEAD STRUCTURAL ENGINEER	PROJECT ENGINEER	JUNIOR ENGINEER	TOTAL HOURS	COST PER TASK
I	<b>ADDITIONAL SURVEY &amp; ASSESSMENT</b>							
	Signed & Sealed calculations			10		4	14	\$1,590.00
	<b>TOTAL PHASE I</b>							<b>\$1,590.00</b>
II	<b>ADDITIONAL 75% PRELIMINARY CALCULATIONS/SPECIFICATIONS/BID DOCUMENTS</b>							
	Calculations							
	Stair Framing			4		2	6	\$670.00
	Kitchen Framing			8		2	10	\$1,170.00
	75% Plans		1	12			13	\$1,640.00
	Construction Estimate			1			1	\$125.00
	<b>TOTAL PHASE II</b>							<b>\$3,605.00</b>
III	<b>ADDITIONAL FINAL CONSTRUCTION PLANS/SPECIFICATIONS/BID DOCUMENTS</b>							
	Finalize design details/connections		1	12			13	\$1,640.00
	<b>TOTAL PHASE III</b>							<b>\$1,640.00</b>
IV	<b>ADDITIONAL BID TABULATIONS &amp; CONTRACT ADMINISTRATION</b>							
	<b>TOTAL PHASE IV</b>							<b>\$-</b>
V	<b>ADDITIONAL CONSTRUCTION ADMINISTRATION AND INSPECTION</b>							
	<u>Additional Inspections &amp; Testing</u>							
	4 additional inspection			6			6	\$750.00
	Written Insp. Reports (allow. 4x)			3			3	\$375.00
	<b>TOTAL PHASE V</b>							<b>\$1,125.00</b>
	(a) Man-hours	0	2	56	0	8	66	
	(b) 2018 Rate	\$150.00	\$140.00	\$125.00	\$110.00	\$85.00		
	<b>TOTAL COST: (a)x(b)</b>	<b>\$-</b>	<b>\$280.00</b>	<b>\$7,000.00</b>	<b>\$-</b>	<b>\$680.00</b>		<b>\$7,960.00</b>



Professional Engineering Services  
Structural Improvements to Firehouse Apparatus Floor at Engine No. 8, City of Trenton  
ALTERNATE 3- LASER SCANNING

PHASE	DESCRIPTION	PRINCIPAL	PROJECT MANAGER	LEAD STRUCTURAL ENGINEER	PROJECT ENGINEER	JUNIOR ENGINEER	SENIOR SURVEYOR	FIELD CREW	CAD TECHNICIAN	ADMINISTRATOR	TOTAL HOURS	COST PER TASK
I	ADDITIONAL SURVEY & ASSESSMENT											
	Laser Scanning and Processing							8	16		24	\$ 1,800.00
	TOTAL PHASE I											\$ 1,800.00
II	ADDITIONAL 75% PRELIMINARY CALCULATIONS/SPECIFICATIONS/BID DOCUMENTS											
	TOTAL PHASE II											\$-
III	ADDITIONAL FINAL CONSTRUCTION PLANS/SPECIFICATIONS/BID DOCUMENTS											
	TOTAL PHASE III											\$-
IV	ADDITIONAL BID TABULATIONS & CONTRACT ADMINISTRATION											
	TOTAL PHASE IV											\$-
V	ADDITIONAL CONSTRUCTION ADMINISTRATION AND INSPECTION											
	TOTAL PHASE V											\$-
(a) Man-hours		0	0	0	0	0	0	8	16	0	24	
(b) 2018 Rate		\$150.00	\$140.00	\$125.00	\$110.00	\$85.00	\$125.00	\$95.00	\$65.00			
TOTAL COST: (a)x(b)		\$-	\$-	\$-	\$-	\$-	\$-	\$760.00	\$1,040.00	\$-		\$ 1,800.00



## VII. FEES

The 75% Preliminary Design Phase and the Final design Phase effort is anticipated to involve a fee of \$ 15,100. The Construction Administration (CA) effort cannot accurately be determined without information from the contractor. However, we have projected that two half-day site visits will be performed along with office review of contractor information. The CA effort is projected to involve a fee of \$3,000.

In summary, the structural engineering scope of basic services fee is \$ 18,100. Expenses for printing, mail, travel, and related items are budgeted to be an order of magnitude cost of \$ 640. Invoice submissions will be in accordance with the attached General Conditions of service and Schedule of Charges (the Schedule) and City of Trenton protocols. PS&S has about 13 employees who live in close proximity of Trenton and will use their services where practical. We understand that Trenton will not reimburse for travel expenses beyond 20 miles of the city limits.

The appropriate proposal submission documents are attached, separately.


## VIII. CLOSURE


PS&S appreciates the opportunity to submit this proposal to the City of Trenton. We are well qualified to assist you with the floor framing issue at Station No. 8. upon your authorization to proceed and receipt of a purchase order, we are prepared to begin our efforts within 5 days.

Should you have any comments regarding this proposal, please feel free to contact Robert or George. Thank you.

Very truly yours,

PAULUS, SOKOLOWSKI & SARTOR, LLC

  
Robert Bernard, P.E.  
Senior Associate

  
George A. Reichert, NICET II  
Associate Principal





67A Mountain Blvd Ext  
PO Box 4039  
Warren, NJ 07059

Proposal/Contract No: 09018-0053-001

Date: January 29, 2019

## SCHEDULE OF CHARGES & HOURLY RATES

### 1. CHARGES FOR SERVICES

When PS&S is to be paid on the basis of time expended and expenses incurred on the Project, compensation shall be determined using the hourly rates. These rates are effective October 1, 2018, but may be modified any time six months thereafter by PS&S, depending upon market conditions.

If the Client requests PS&S to provide other Services in addition to those described in the attached Proposal, PS&S requires a written additional service authorization amending this Agreement, before PS&S will proceed with that work.

#### **Billable Hourly Rate Title**

\$ 245	Principal, SVP, VP, Principal LSRP
\$ 220	Sr. Director, Sr. Project (Manager, Engineer, Architect, Planner, Designer, Scientist, or LSRP)
\$ 200	Director, Project (Engineer, Architect, Planner, Designer, Scientist, or LSRP), Project Manager II
\$ 185	Sr. (Engineer, Architect, Planner, Designer, Scientist, Surveyor or LSRP), Project Manager I
\$ 165	Engineer IV, Architect IV, Planner IV, Designer VI, Scientist VI, LSRP
\$ 155	Engineer III, Architect III, Planner III, Designer V, Scientist V, Project Controls III
\$ 145	Surveyor III, Inspector III
\$ 140	Engineer II, Architect II, Planner II, Designer IV, Scientist IV
\$ 130	Engineer I, Architect I, Planner I, Designer III, Scientist III, CAD Technician III, Project Controls II
\$ 120	Surveyor II, Inspector II
\$ 115	Designer II, Scientist II, Cad Technician II
\$ 110	Designer I, Scientist I, Cad Technician I
\$ 100	Project Controls I
\$ 95	Surveyor I, Inspector I
\$ 80	Technician I

**When survey field crew time is billed on a crew basis, the following rates apply (portal to portal):**

\$ 235	2-person crew
\$ 315	3-person crew

### 2. LICENSED SITE REMEDIATION PROFESSIONAL (LSRP) CONDITIONS

When work performed by PS&S includes the services of an Licensed Site Remediation Professional ("LSRP"), the LSRP will use his or her professional judgment to make recommendations as to actions required based upon the LSRP's review of the applicable statutes, regulations and guidance documents. The Client acknowledges that the LSRP's recommendations or issuance of any Response Action Outcome ("RAO") shall not constitute: (i) any acceptance of liability on behalf of PS&S or any LSRP employed by PS&S; (ii) any form of guarantee, indemnity or insurance for any legal liability or obligation of the Client. Further, the Client acknowledges that when PS&S's services hereunder entail the use of professional judgment, PS&S is not providing any guarantee that any other professional reviewing PS&S's work hereunder will not offer different recommendations or reach different conclusions based on that professional's use of his or her judgment. The Client acknowledges that PS&S is not responsible to the Client or any third-party for costs resulting from a different recommendation or different conclusion rendered by another party.

Under the Site Remediation Reform Act, N.J.S.A. 58:10C-1 et seq. ("SRRRA"), the New Jersey Department of Environmental Protection (NJDEP) can audit and review an RAO and the Site Remediation Professional Board can review work performed by an LSRP. Further, an RAO can be invalidated if NJDEP determines that the RAO is not protective of human health and the environment. Neither PS&S nor the LSRP shall be held responsible for the invalidation of the RAO, and any services which might be required due to any such invalidation shall be considered an Additional Service.

The State has established mandatory and regulatory time frames to complete certain remediation requirements. If these time frames are not met, fines and potential NJDEP direct oversight could be imposed upon the Client. To the extent provided for in the scope of work, PS&S will advise the Client of deadlines and actions necessary to fulfill the requirements of such time frames. The Client acknowledges that PS&S's provision of such advice will not and does not shift responsibility for compliance with such time frames to PS&S. Further, if the Client delays in approving and proceeding with the recommendations of PS&S's LSRP in meeting these time frames or the Client delays in payment of services rendered by PS&S, which results in a delay to the progress of the project, the Client agrees that PS&S will not be held responsible or liable for any fees, fines, or financial impacts incurred as a result of NJDEP's direct oversight, fines, and fees.

Furthermore, the Client acknowledges that in the context of supporting any conclusions or recommendations made to any third-party or governmental entity, PS&S may be required to release or otherwise publish: data from tests performed on samples taken from the project location; physical observations of the project location; or other technical information obtained by PS&S regarding the physical conditions of the project location, including but not limited to, submissions made by PS&S's LSRP in connection with a project. Client expressly acknowledges that under SRRRA, if the LSRP identifies a condition at the Site that, in the professional judgment of the LSRP, is an Immediate Environmental Concern ("IEC") (as defined in the SRRRA), the LSRP is obligated to so advise the Client and to call the NJDEP's telephone hotline to advise the NJDEP of such IEC.



flange structural steel beams. These beams are supported by steel pipe columns and the foundation walls. As indicated above, the supplemental structural framing provided to stabilize the floor framing involves two sets of (2) 3 ½" x 14" built-up timber girders running parallel with the steel beams and supported by 6" x6" timber posts and temporary adjustable steel shoring jacks. It is PS&S's understanding the location of the timber girders is centered below the approximate location of the wheels of the fire truck.

Beyond the area of the cellar, the first floor is finished as a concrete slab-on-grade. The second floor and roof framing were not reviewed during the walkthrough reconnaissance, and it is believed that no floor repair work involves any areas beyond the vehicle bay.

## **II. SCOPE OF BASIC SERVICES**

PS&S proposes to perform the following Scope of Basic Services in conjunction with this project:

### **75% Preliminary Design Phase:**

1. Visit the site to perform a condition assessment of the existing first floor framing and perform localized building measurements as required due to lack of structural drawings. Plan sketches, along with details, will be prepared to document existing features of the first-floor framing. In addition, observations of the existing conditions will be performed to search for any problematic conditions that may impact anticipate repair or remedial work
2. Utilizing the field collected as-built information, perform structural analysis of the existing first floor framing components to determine their load carrying capacity.
3. Meet with the Trenton Fire Department Chief, or his designee, and the Trenton department of Public works, as appropriate, to consult on facility layout and development of the structural modifications design for the support of a fire truck. PS&S may provide general concepts for reinforcing the existing supplemental supports or, perhaps, reframe the portion of floor utilizing a concrete on composite metal deck floor system.
4. Provide 75% construction drawings with specification information, sections, details, typical details, and general notes, for internal review during a 2-week period.



### **Final Design Phase:**

1. Incorporate comments based on feedback from the City of Trenton representatives.
2. Meet with the Trenton Fire Department Chief, or his designee, and Trenton Department of Public Works, as appropriate, to consult on final layout and development of the structural modifications design for the support of the fire truck.
3. Provide 100% construction drawings and calculations signed and sealed by a Professional Engineer licensed in New Jersey.
4. PS&S will be available to review the Bids received from qualified contractors. The Bid information will be tabulated and summarized, with a recommendation for award.

### **III. CONSTRUCTION ADMINISTRATION PHASE**

1. Review and approve or take other appropriate action upon the 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 Construction Documents. 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 or performance of equipment or systems designed by the Contractor, all of which remain the responsibility of the Contractor to the extent required by the Construction Documents.
2. Responses to Requests for Information (RFIs) submitted by the Contractor(s)
3. Visit the site at intervals appropriate to the stage of construction to become generally familiar with the progress and quality of the construction completed and to determine in general if the construction is being performed in a manner indicating that the construction when completed will be in accordance with the Construction Documents. This proposal includes up to two (2) visits during construction.
4. The extent of Construction Administration (CA) services cannot be accurately projected without benefit of determining the method to address the current floor framing concerns. Consequently, the projected effort is subject to adjustment based on the final design and construction approach. The staffing protocols and schedule of the contractor will impact the duration of the CA effort.



900 Haddon Avenue, Suite 412  
Collingswood, NJ 08108-2113



Phone: 856-869-4980

Fax: 856-869-4975

E-Mail: bob@remusarchitecture.com

## **Fee Proposal from Remus Architecture LLC**


**Engineering Design for the Improvements to Firehouse #8 Floors  
Trenton, NJ  
Project Number: RFP2019-08**

<b>Survey &amp; Assessment</b>	<b>\$5,740.00</b>
<b>Construction Documents &amp; Specifications</b>	<b><u>\$15,330.00</u></b>
<b>Sub-Total - Design Phase</b>	<b>\$21,070.00</b>
<b>Bidding Phase</b>	<b>\$1,470.00</b>
<b>Construction Administration</b>	<b><u>\$10,240.00</u></b>
<b>TOTAL – ALL SERVICES</b>	<b>\$32,780.00</b>



RFP 2019-08  
COST PROPOSAL  
ENGINEERING DESIGN SERVICES  
City Of Trenton

TASK	<u>Lump Sum Fee</u>
A. Survey and Assessment	\$ 3,000.00
2. Preliminary Bid Document	\$ 13,500.00
3. Final Bid Document	\$ 8,500.00
4. BID Evaluation / Tabulation	\$ 800.00
5. Consturction Inspection & Management	\$ 8,500.00
6. Expenses ( Printing / Postage / Mileages / Toll	\$ 1,000.00
TOTAL COST	\$ 35,300.00

  
Kim Law, P.E., President

Date: 1-28-2019

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## CONTRACT PRICING PROPOSAL

(Cost Plus Fixed Fee Contracts)

This form is for use when submission of cost or pricing data for a Cost Plus Fixed Fee contract is required.

Page No.  
1

No. Of Pages  
2

Name of Offeror Richard Maloney

Supplies and/or Services to be Furnished

Home Office Address

331 Newman Springs Rd. Ste 203, Red Bank, NJ 07701

Structral Design and Construction Administration for the Apparatus floor at Engine No. 8

Divisions and Locations Where Work is to be Performed:

Engine No. 8 Trenton, NJ

Total Amount of Proposal

\$41,714

### DETAIL DESCRIPTION OF COST ELEMENTS

1. DIRECT LABOR- Specify Employee Title	Estimated Hours	Payroll Rate/ Hours	Est Cost (\$)	Reference
Senior Tech. Dir. - Geotech	1	\$70.00	\$70	
Senior Project Manager - Geotech.	12	\$60.00	\$720	
Site Tech. - Geotech	10	\$40.00	\$400	
Senior Tech. Dir. - Struct. Design	3	\$70.00	\$210	
Senior Project Manager - Struct. Design	46	\$60.00	\$2,760	
Tech. Professional -Struct. Design	60	\$40.00	\$2,400	
Tech. Dir. Project Manager - CM	55	\$50.00	\$2,750	
Site Tech. - CM	55	\$35.00	\$1,925	
			\$0	
			\$0	
			\$0	
			\$0	
			\$0	
			\$0	
			\$0	
<b>TOTAL DIRECT LABOR</b>			\$11,235.00	
2. LABOR OVERHEAD (Specify Cost Center )	O.H. Rate	X Direct Labor Base =	Est Cost (\$)	
	172.80%	\$11,235.00	\$19,414.08	
<b>TOTAL LABOR OVERHEAD</b>			\$19,414.08	
3. Direct Expenses (From Exhibit A)				
<b>Total Direct Expenses</b>			\$500.00	
4. SUB-CONSULTANTS - (You must provide a separate detailed budget for each if over \$5,000)			Est Cost (\$)	
Geotech: Saw Cutting, Coring, Restoration			\$2,500.00	
Plumbing Engineer: Floor Drain Design			\$5,000.00	
			\$0.00	
			\$0.00	
			\$0.00	
			\$0.00	
			\$0.00	
<b>TOTAL SUB-CONSULTANTS</b>			\$7,500	
5. TOTAL OF ITEMS 1 -4: DIRECT LABOR, LABOR OVERHEAD, DIRECT EXPENSES, SUB-CONSULTANTS			\$38,649	
FEE OR PROFIT (10% of ITEMS 1 AND 2 Direct Labor & Overhead)				
<b>Items 1 &amp; 2-Direct Labor and Overhead</b>			\$30,649.08	
<b>6.Fee or Profit</b>			\$3,064.91	
<b>7. TOTAL ESTIMATED COST AND FEE OR PROFIT (ADD ITEMS 5 AND 6)</b>				\$41,713.99



This Proposal is Submitted for use in connection with and in response to (Describe RFP, etc.)

and reflects our best estimates as of this date, in accordance with the instructions to Offerors and the Footnotes which follow.

TYPED NAME AND TITLE

Richard Maloney P.E., Discipline Leader

SIGNATURE

NAME OF FIRM

Maser Consulting

Date of Submission

1/30/2019

**EXHIBIT A-SUPPORTING SCHEDULE - DIRECT EXPENSES (specify if more space is needed, use reverse)**

COST EL NO.	Item Description (See footnote 5)	EST COST (\$)
	Materials and Supplies (Describe)	
	Example: Printing	\$500.00
		\$0.00
		\$0.00
		\$0.00
		\$0.00
	Travel (Describe)	
	Example: Automobile	\$0.00
		\$0.00
		\$0.00
		\$0.00
		\$0.00
	Special Equipment and/or Testing (Describe)	
		\$0.00
		\$0.00
	Other Direct Expenses (Describe)	
		\$0.00
		\$0.00
		\$0.00
		\$0.00
	Total Direct Expenses	\$500.00

I. Has any Executive Agency of the United States Government Performed any Review of Your Accounts or Records in Connection with any other Government Prime Contract or Subcontract Within the Past Twelve Months?

☐ YES ☒ NO (If Yes, identify below)

NAME AND ADDRESS OF REVIEWING OFFICE AND INDIVIDUAL

TELEPHONE NUMBER/EXTENSION

II. Will you Require the use of any Government Property in the Performance of this Proposed Contract?

☐ YES ☒ NO (If Yes identify on reverse or separate page)

III. Do you now Require Government Contract Financing to Perform this Proposed Contract?

☐ YES ☒ NO ☐ Advance Payments ☐ Progress Payments or ☐ Guaranteed Loans  
(If yes, identify)

IV. Do you now hold any Contract (Or, do you have independently financed (IR&D) projects) For the same or similar work called for by this Proposed Contract?

☐ YES ☒ NO (If yes, identify)

V. Does this Cost Summary Conform with the Cost Principles set forth in Agency Regulations?

☒ YES ☐ NO (If No explain on reverse or separate page)

## SUMMARY

Notes: 1 Maximum Direct Hourly Wage Rate is used to establish Total Project Not To Exceed Ceiling & establishes Not To Exceed Direct Hourly Rate per Title/ASCE grade for the project duration.

A certified payroll schedule listings of consultant(s) staff with their Title/ASCE grade and direct hourly wage rate will be required as of the contract award date.

Direct Expenses: Other		
Reproduction		\$500.00
Postage/Delivery		
Transportation		
Out of pocket Expenses		
Boring Driller, Water & All Terrain		
Total		\$500.00

Direct Salaries Total	\$11,235.00
Overhead Rate (1.728)	\$ 19,414.08
Fixed Fee (10%)	\$ 3,664.81
Direct Expenses: Subconsultants	\$7,500.00
Direct Expenses: Other	\$500.00
<b>Project Total</b>	<b>\$41,713.99</b>





### ESTIMATED FEES

Task A. Survey and Assessment		
One (1) Site Visit		
As-built Structural (Second, Ground Floor & Basement) Framing Plans		
One (1) 2-hr Teleconference Call Meeting		
Lump Sum		\$4,750
Task B. 75% Preliminary Construction Plans / Specifications / Bid Document Preparation		
One (1) Submission of 75% Preliminary Bid Package		
One (1) 4-hr Teleconference Call Meeting		
Lump Sum		\$10,350
Task C. Final Construction Plans / Specifications / Bid Document Preparation		
Final Bid Package		
One (1) 4-hr Teleconference Call Meeting		
Lump Sum		\$5,725
Task D. Bid Tabulation and Contract Administration		
Review of Bids		
Contract Award Assistance and Support		
Lump Sum		\$3,800
Task E. Construction Inspection and Management		
Construction Inspections & Full-time Oversight @ \$90.60/hr		
Construction Management @ \$118.79/hr		
Not to Exceed Budget		\$46,000
Reimbursable Expenses		
Mileage & Tolls		
Document Reproduction		
Not to Exceed Budget		\$3,000

**GRAND TOTAL**

**\$73,625.00**

## EXCLUSIONS

1. Services not explicitly described above are not included within the scope of this proposal.
2. Permits and approvals required for all work included above shall be the responsibility of the client.
3. See exclusions stated in the notes section within each scope of work Tasks A, B, C, D, and E listed above.

## TERMS AND CONDITIONS

1. The fees listed in this proposal are valid for 45 calendar days, from the date listed on the front page. It is in MFS's sole discretion to extend the validity date of the fees beyond 45 calendar days.
2. MFS will invoice monthly, based on progress, in accordance with the above fees and 2018 MFS Schedule of Fees, Terms, and Conditions.
3. Any work completed outside of the proposed scope (e.g. change orders) will be invoiced in accordance with the 2018 MFS Schedule of Fees, Terms and Conditions.
4. Additional design changes after completion of 100% design drawings, if required, will be completed on a time and material basis. Additional charges will not apply if the design changes are due to MFS error/omission.
5. All drawings and calculation packages will be signed and sealed by a New Jersey Professional Engineer.
6. Any hours worked outside of normal construction site hours (Monday through Friday, 7:00 am - 3:30 pm) for site visits or field inspections will be billed at the corresponding overtime premium.
7. Meetings and field visits outside the scope will be billed using the construction administration budget amount.
8. This proposal includes two (2) drawing sets (24 x 36 inch) for each submittal as stated in the above scope. Any additional sets will be billed at the below per sheet prices plus time spent in plotting process.

A. 18x24 B&W:	\$2.50/per sheet	D. 18x24 Color:	\$4.00/per sheet
B. 24x36 B&W:	\$4.00/per sheet	E. 24x36 Color:	\$7.00/per sheet
C. 36x48 B&W:	\$7.00/per sheet	F. 36x48 Color:	\$13.00/per sheet
9. Any reimbursable expenses shall be billed in accordance with the attached 2018 MFS Schedule of Fees, Terms and Conditions.

## SCHEDULE

MFS is available to start work immediately upon given written authorization to proceed and receipt of project deliverables.

*Note: If the required project deliverables are not received from the client upon award of project, MFS cannot guarantee above deadlines will be met.*

The client will be invoiced on a monthly basis, as work is completed. The client will pay MFS invoices for its fees for services within 30 days from the date of the invoice. MFS will not exceed the above budget amounts without prior authorization.





Cost Proposal				
		Planned Hrs	Bill Rate	Planned Billed
Trenton Firehouse Apparatus Floor Improvements				
Labor		640.0		93,722.00
Total for Trenton Firehouse Apparatus Floor Improvements		640.0		93,722.00
Cost Breakdown				
Survey and Assessment				
Labor		80.0		12,760.00
	Ressler, Kenneth	8.0	175.00	1,400.00
	Trovato, Jacqueline	16.0	169.00	2,704.00
	Butler, Mitchell	40.0	164.00	6,560.00
	Mobilio, Michael	16.0	131.00	2,096.00
Total for Survey and Assessment		80.0		12,760.00
Total for 75% Constuction Plans/Specifications/Bid Document Preparation				
Labor		76.0		11,492.00
	Ressler, Kenneth	4.0	175.00	700.00
	Trovato, Jacqueline	8.0	169.00	1,352.00
	Butler, Mitchell	32.0	164.00	5,248.00
	Mobilio, Michael	32.0	131.00	4,192.00
Total for 75% Constuction Plans/Specifications/Bid Document Preparation		76.0		11,492.00
Final Construction Plans/Specifications/Bid Document Preparation				
Labor		92.0		12,892.00
	Ressler, Kenneth	4.0	175.00	700.00
	Trovato, Jacqueline	8.0	169.00	1,352.00
	Gomes, John	32.0	164.00	5,248.00
	Mobilio, Michael	32.0	131.00	4,192.00
	Meyer, Carl	8.0	104.00	832.00
	Rodgers, Gail	8.0	71.00	568.00
Total for Final Construction Plans/Specifications/Bid Document Preparation		92.0		12,892.00
Bidding and Contract Administration				
Labor		36.0		5,308.00
	Ressler, Kenneth	8.0	175.00	1,400.00
	Trovato, Jacqueline	12.0	169.00	2,028.00
	Butler, Mitchell	8.0	164.00	1,312.00
	Rodgers, Gail	8.0	71.00	568.00
Total for Bidding and Contract Administration		36.0		5,308.00
Construction Inspection and Management				
Labor		356.0		51,320.00
	Ressler, Kenneth	16.0	175.00	2,800.00
	Trovato, Jacqueline	40.0	169.00	6,760.00
	Donofrio, Anthony	60.0	164.00	9,840.00
	Observer NICET II/III	240.0	133.00	31,920.00
Total for Construction Inspection and Management		356.0		51,320.00
Total for Trenton Firehouse Apparatus Floor Improvements		640.0		93,772.00