

RFP2019-31 EMERGENCY DESIGN OF DISTRIBUTION SYSTEM CLEANING AND CEMENT MOTOR LINING AND WATER MAIN REPLACEMENT AND INSTALLATION IN EWING TOWNSHIP FOR THE CITY OF TRENTON, DEPARTMENT OF WATER AND SEWER BID OPENED 5/29/19 AT 11:00AM

RFP2019-31 EMERGENCY DESIGN OF DISTRIBUTION SYSTEM CLEANING AND CEMENT MOTOR LINING AND WATER MAIN REPLACEMENT AND INSTALLATION IN EWING TOWNSHIP FOR THE CITY OF TRENTON, DEPARTMENT OF WATER AND SEWER					
NUMBER OF RESPONDENTS:	5				
NAME OF BIDDER	SUBURBAN CONSULTING ENGINEERS, INC.	MOTT MACDONALD, LLC	ATC GROUP SERVICES LLC DBA BCM ENGINEERS	CME ASSOCIATES	REMINGTON & VERNICK ENGINEERS
ADDRESS	96 US HIGHWAY 206, SUITE 101	111 WOOD AVENUE SOUTH	920 GERMANTOWN PIKE, SUITE 200	3141 BORDENTOWN AVENUE	THE PRESIDENTIAL CENTER, LINCOLN BUILDING, SUITE 600, 101 ROUTE 130
CITY, STATE, ZIP	FLANDERS, NJ 07836	ISELIN, NJ 08830	PLYMOUTH MEETING, PA 19462	PARLIN, NJ 08859	CINNAMINSON, NJ 08077
CONTACT NAME	LEANN E. PHIL	MICHAEL ALTLAND, PE, VICE PRESIDENT	THOMAS G. WILKES, P.E.	MICHAEL J. MCCLELLAND	K. WENDELL BIBBS, PE, CME, EXECUTIVE VICE PRESIDENT
TELEPHONE	973-398-1776	973-912-2523	610-313-3100	732-727-8000	856-303-1245
FAX	973-398-2121	973-376-1072	610-313-3151	732-727-3989	856-303-1249
E-MAIL	LPHIL@SUBURBANCONSULTING.COM	MICHAEL.ALTLAND@MOTTMAC.COM	THOMAS.WILKES@ATCGS.COM	MMCLELLAND@CMEUSA1.COM	WENDELL.BIBBS@RVE.COM
OWNERSHIP DISCLOSURE STATEMENT	INCLUDED	INCLUDED	INCLUDED	INCLUDED	INCLUDED
REQUIRED EVIDENCE EEO/AFFIRMATIVE ACTION REGULATIONS QUESTIONNAIRE	INCLUDED	INCLUDED	INCLUDED	INCLUDED	INCLUDED
MANDATORY EQUAL EMPLOYMENT OPPORTUNITY	INCLUDED	INCLUDED	INCLUDED	INCLUDED	INCLUDED
ACKNOWLEDGEMENT OF RECEIPT OF ADDENDA AND POSTPONEMENT NOTICE DATED FOR MAY 14, 2019	INCLUDED	INCLUDED	INCLUDED	INCLUDED	INCLUDED
NJ BUSINESS REGISTRATION CERTIFICATE	INCLUDED	INCLUDED	INCLUDED	INCLUDED	INCLUDED
NON-COLLUSION AFFADAVIT	INCLUDED	INCLUDED	INCLUDED	INCLUDED	INCLUDED
AMERICANS WITH DISABILITIES ACT OF 1990 LANGUAGE	INCLUDED	INCLUDED	INCLUDED	INCLUDED	INCLUDED
DISCLOSURE OF INVESTED ACTIVITIES IN IRAN	INCLUDED	INCLUDED	INCLUDED	INCLUDED	INCLUDED
POLITICAL CONTRIBUTION DISCLOSURE FORM	INCLUDED	INCLUDED	INCLUDED	INCLUDED	INCLUDED
ETHICS COMPLAINT DISCLOSURE	INCLUDED	INCLUDED	INCLUDED	INCLUDED	INCLUDED
DEBARMENT NOTICE	INCLUDED	INCLUDED	INCLUDED	INCLUDED	INCLUDED
EIC	CERT.#13480 EXP. 02/15/2021	CERT.#2062 EXP. 08/15/2021	CERT.#3846 EXP. 07/15/2021	CERT.#1818 EXP. 02/15/2020	CERT.#4113 EXP. 10/15/2019
60-DAY EXTENSION COMPLIANCE	YES	YES	YES	YES	YES
EMERGENCY SERVICES CERTIFICATE OF INSURANCE	YES	YES	YES	YES	YES
CITY OF TRENTON RESIDENT EMPLOYMENT POLICY	REQUIRED PRIOR TO AWARD	REQUIRED PRIOR TO AWARD	REQUIRED PRIOR TO AWARD	REQUIRED PRIOR TO AWARD	REQUIRED PRIOR TO AWARD
W-9	INCLUDED	INCLUDED	INCLUDED	INCLUDED	INCLUDED
EXCEPTIONS	NONE	NONE	NONE	NONE	NONE
THREE (3) REFERENCES	INCLUDED	INCLUDED	INCLUDED	INCLUDED	INCLUDED
TOTAL LUMP SUM FEE	\$46,140.00 SEE ATTACHED BREAKDOWN OF FEE PROPOSAL	\$49,500.00 SEE ATTACHED BREAKDOWN OF FEE PROPOSAL	\$49,945.00 SEE ATTACHED BREAKDOWN OF FEE PROPOSAL	\$114,821.00 SEE ATTACHED BREAKDOWN OF FEE PROPOSAL	\$128,735.00 SEE ATTACHED BREAKDOWN OF FEE PROPOSAL
FATAL FLAW	NONE	NONE	NONE	NONE	NONE

FEE PROPOSAL / FEE STRUCTURE

HOURLY RATES & CHARGES

REQUEST FOR PROPOSALS

EMERGENCY DESIGN OF DISTRIBUTION SYSTEM CLEANING AND CEMENT MORTAR LINING AND WATER MAIN REPLACEMENT AND INSTALLATION IN EWING TOWNSHIP



Fee Proposal

SCE proposes to complete the requested scope of work for the following fees:

■ Preparation of Planning Document		N/A*
■ Preparation of Design Documents		\$ 30,630
■ Preparation of Permit Applications		\$ 9,390
■ <u>Providing Bid Phase Services</u>		\$ 6,120
TOTAL LUMP SUM FEE		\$ 46,140

**Planning Document not in proposed scope per May 7, 2019 Pre-Proposal Meeting.*

Hourly Breakdown

Phase Description	Principal	Project Manager	Senior Designer	Designer	Sr. Inspector	Total Hrs	Direct Costs	Total Cost
<i>Hourly Rates</i>	<i>\$160</i>	<i>\$155</i>	<i>\$120</i>	<i>\$115</i>	<i>\$105</i>			
B. Preparation of Design Documents	4	32	130	82	0	248	\$0	\$30,630
C. Preparation of Permit Applications	1	3.5	56	16	0	76.5	\$127	\$9,390
D. Providing Bid Phase Services	2	9	20	0	0	31	\$2,005	\$6,120
Total	7	44.5	206	98	0	355.5	\$2,132	\$46,140

FEE PROPOSAL / FEE STRUCTURE

HOURLY RATES & CHARGES

Fee Structure

The above lump sum fees are based on the following fee structure:

- Principal/Project Officer \$160/hour
- Project Manager \$155/hour
- Senior Engineer/Project Coordinator \$145/hour
- Engineer \$130/hour
- Landscape Architect \$130/hour
- Professional Land Surveyor \$130/hour
- Senior Designer/Senior Environmental Scientist \$120/hour
- Designer/GIS Analyst/Environmental Scientist \$115/hour
- Technician \$100/hour
- Senior Inspector \$105/hour
- Inspector \$100/hour
- Secretarial/Clerical \$55/hour
- Survey Equipment Unit Cost
 - Robotic/GPS/LiDAR Unit \$50/hour
 - Unmanned Aerial Systems (Drone) \$150/hour
- LSRP (Licensed Site Remediation Professional) Services Unit Cost
 - For any environmental services requiring LSRP oversight and certification, a \$25/hour unit cost will be included in addition to the Project Manager hourly rate.
- Any actual disbursements and expenses which we incur on your behalf, such as subconsultant fees, application/permit fees, delivery charges, travel, parking, printing and toll charges will be billed at actual cost-plus 15 percent.



Ms. Isabel Garcia, QPA
Purchasing Agent
City of Trenton
City Hall, Division of Purchasing
1st Floor
319 East State Street
Trenton, NJ08608

Your Reference
RFP2019-31

Our Reference
507100318

111 Wood Avenue South
Iselin NJ 08830-4112
United States of America

T +1 (800) 832 3272
F +1 (973) 376 1072
mottmac.com

Proposal for Professional Engineering Services for Emergency Cleaning and Cement Mortar Lining and Water Main Replacement and Installation in Ewing Township – Price Proposal

May 29, 2019

Dear Ms. Garcia,

We are pleased to submit the following cost proposal for the referenced project.

Task	Cost
1 – Study (Lump Sum)	\$3,500
2 – Design (Lump Sum)	\$35,500
3 – Permitting (Lump Sum)	\$5,500
4 – Bidding (Lump Sum)	\$5,000
Total	\$49,500

We have attached a table of our cost breakdown, supported with names, titles, hourly rates and number of hours. We have also attached our standard conditions for Trenton's consideration.

We welcome the opportunity to discuss our proposal in greater detail, if desired.

Very truly yours,



Michael L. Altland, PE
Vice President
T 973 912 2485
C 201 738 4679
Michael.altland@mottmac.com

Trenton Water Works

Emergency Cleaning and Lining
Mott MacDonald Cost Proposal
Summary of Tasks

Title/Grade: Name:	VP M. Altland	Sr. PM S. Holmes	Eng III N. Manchery	Eng II Y. Al. Fahham	Exec. VP P. Panarella	Surv. V W. DiBartolo	Surv. IV M. Bergamasco	Surv. III A. Sasso	Surv. III R. Andrews	Total	Labor Fee
Task 1 - Study	4	3	12	2	1	0	0	0	0	22	\$ 3,210.22
Task 2 - Design	4	4	32	2	2	40	40	20	20	336	\$ 34,759.94
Task 3 - Permitting	4	3	27	8	1	0	0	0	0	43	\$ 5,341.42
Task 4 - Bidding	4	2	4	8	0	0	0	0	0	18	\$ 2,525.12
Total Hours:	16	12	75	204	4	8	40	40	20	419	
Total Labor Fee:	\$ 4,160.00	\$ 1,877.76	\$ 7,825.50	\$ 19,247.40	\$ 1,040.00	\$ 1,200.24	\$ 4,911.60	\$ 3,424.40	\$ 2,149.80	\$ 45,836.70	\$ 45,836.70
Hourly Rate:	\$ 260.00	\$ 156.48	\$ 104.34	\$ 94.35	\$ 260.00	\$ 150.03	\$ 122.79	\$ 85.62	\$ 107.49		

DIRECT EXPENSES

Code	Description	Loaded Cost
COCAR	Company Car Costs	\$ 550.00
GENRL	General / Printing	\$ 2,450.00
	Direct Expenses Subtotal	\$ 3,000.00
	Labor	
	Task Total (Labor + Expenses)	

Task 1	Task 2	Task 3	Task 4
\$ -	\$ 500.00	\$ -	\$ 50.00
\$ 50.00	\$ 100.00	\$ 100.00	\$ 2,200.00
\$ 50.00	\$ 600.00	\$ 100.00	\$ 2,250.00
\$ 3,210.22	\$ 34,759.94	\$ 5,341.42	\$ 2,525.12
\$ 3,260.22	\$ 35,359.94	\$ 5,441.42	\$ 4,775.12

SUMMARY

	Fee
Labor	\$ 45,836.70
Direct Expenses	\$ 3,000.00
Total	\$ 48,836.70



6.0 Cost Proposal

6.1 Compensation

Proposed Service	Fee
A. Preparation of Project Planning Document:	\$3,280
B. Preparation of Design Documents:	\$31,310
C. Preparation of Permit Application Forms:	\$7,830
D. Provide Bid Phase Services:	\$7,525
Total:	\$49,945

BCM's Fee-Cost/Hour Breakdown is provided in **Appendix D**. We expect the cost will fully cover the services described herein. The fees include all labor, expenses, travel, management, and costs related to the services rendered for the project.

Costs for additional out of scope services requested to be performed by the City will be based upon our current Schedule of Billing Charges in effect at the time services are provided (**Appendix F**). These rates will remain in effect for the duration of the project.

6.2 Insurance

ATC Group Services LLC, dba BCM Engineers, maintains outstanding insurance coverage for the protection of itself and its clients in the performance of any of its services. A sample Certificate of Insurance, which can be found in **Appendix E**, illustrates the minimum insurance coverage carried by BCM.

6.3 Business Conditions

This project is proposed to be governed by BCM's Professional Services Agreement General Conditions which are provided in **Appendix G**. If the City wishes to utilize their own Standard Contract for Professional Services, BCM would be open to using the City's document.



Fee Proposal

CME Associates' Fee Proposal is provided below.

	Description	Proposal Fees
Task A	Preparation of Planning Document	\$ 5,166.00
Task B	Preparation of Design Documents	\$100,758.00
Task C	Preparation of Permit Applications	\$ 4,172.00
Task D	Bid Phase Services	\$ 4,725.00
	TOTAL PROPOSAL	\$114,821.00

If the City of Trenton desires to have CME Associates perform additional services for work related to the project which are not covered by the Scope of Services stated herein, such additional work shall be performed only after written authorization by the City or after negotiation of a written Supplementary Agreement to the Contract duly executed by the parties. Payment for such services, if authorized, will be made according to terms contained in the Supplementary Agreement or will be invoiced in accordance with our previously submitted hourly rate schedule.

If any of the following tasks are required, they will be performed in accordance with our previously submitted hourly rate schedule.

- Preparation of applications for required permits other than those specified above.
- Right of way or easements acquisitions are not included in this proposal.

It is anticipated that the City will pay for all permitting fees associated with this Project.

Construction phase services have not been included in this Proposal. If requested by the City, we can provide a separate proposal for these services.

Our Proposal is one bid phase for the project. We anticipate the entire scope of the project to be bid as a single project.



MUNICIPAL ENGINEERING SERVICES
GENERAL CONDITIONS AND HOURLY RATE SCHEDULE TO JANUARY 1, 2020

Senior Project Manager.....	\$170.00 Per Hour
Project Manager	\$169.00 Per Hour
Project Leader.....	\$168.00 Per Hour
Professional Engineer	\$166.00 Per Hour
Senior Project Engineer	\$159.00 Per Hour
Project Engineer.....	\$157.00 Per Hour
Senior Design Engineer	\$156.00 Per Hour
Design Engineer	\$152.00 Per Hour
Senior Engineering Technician	\$133.00 Per Hour
Engineering Technician/Management Information Systems Technician.....	\$126.00 Per Hour
Professional Land Surveyor	\$166.00 Per Hour
Land Surveyor	\$145.00 Per Hour
Robotic Total Station	\$ 70.00 Per Hour
Party Chief.....	\$126.00 Per Hour
Survey Technician.....	\$115.00 Per Hour
Resident Engineer.....	\$145.00 Per Hour
Chief Construction Engineer	\$139.00 Per Hour
Senior Construction Engineer	\$133.00 Per Hour
Construction Engineer.....	\$128.00 Per Hour
Chief Construction Technician	\$126.00 Per Hour
Senior Construction Technician	\$120.00 Per Hour
Construction Technician.....	\$115.00 Per Hour
Technical Assistant.....	\$ 89.00 Per Hour
Senior CAD Technician	\$133.00 Per Hour
Licensed Landscape Architect	\$166.00 Per Hour
Senior Landscape Designer	\$151.00 Per Hour
Certified Tree Expert	\$133.00 Per Hour
Landscape Designer.....	\$120.00 Per Hour
Director of Planning	\$171.00 Per Hour
Professional Planner	\$169.00 Per Hour
Project Planner.....	\$161.00 Per Hour
Planning Technician	\$151.00 Per Hour
Principal	\$173.00 Per Hour
Partner	\$179.00 Per Hour
Managing Partner/Administrative Partner	\$198.00 Per Hour

Environmental services will be billed in accordance with CME's Environmental Rate Schedule

Invoices - CME Associates (CME) will submit invoices to Client monthly and a final invoice upon completion of services. Payment is due upon presentation of invoice and is past due thirty days from invoice date. Client agrees to pay a finance charge of one and one-half percent per month, or the maximum rate allowed by law, on past due accounts. In the event that the invoice is not paid voluntarily and promptly, and must therefore be referred to an attorney or agency for collection, the Client agrees to pay a collection fee equal to the actual attorney or agency collection fee incurred by CME. Overtime rates are applicable after eight hours Monday through Friday, and all day Saturday and Sunday, and charged at one and one-half times the quoted rate. Holidays are charged at two times the quoted rate. Expenses incurred for reproduction, postage handling, photographs and for services including subconsultants, equipment and facilities not furnished by CME are charged to the Client at cost plus fifteen percent. Automobile travel may be charged at the current rate per mile allowed by the Internal Revenue Service.

Standard of Care - Services performed by CME under this Agreement will be conducted in a manner consistent with that level of care and skill ordinarily exercised by members of the profession currently practicing under similar conditions. NO OTHER WARRANTY, EXPRESSED OR IMPLIED, IS MADE.

Contaminated Material - It is understood that CME is not, and has no responsibility as a handler, generator, operator, treater or storer, transporter or disposer of hazardous or toxic substances found or identified at any site. Client shall undertake or arrange for, either directly or indirectly through other contractors, the handling, removal, treatment, storage, transportation and disposal of hazardous substances or constituents found or identified at any site.

Utilities - In the execution of the work, CME will take all reasonable precautions to avoid damage or injury to subterranean structures or utilities. The Client agrees to hold CME harmless for any damages to subterranean structures which are not called to CME's attention and/or not correctly shown on the plans furnished.





Trenton Water Works

Emergency Design – Water Distribution System & Cement Motor Lining & Water Main Replacement & Installation in Ewing Township

	Planned Hours	Bill Rate	Planned Billed
SUMMARY			
Trenton Water Works - Emergency Design Distribution System Improvements			
Labor	928.0		128,174.00
Expense			561.00
Total for Trenton Water Works - Emergency Design Distribution System Improvements	928.0		128,735.00
Task 1 - Preparation of Planning Documents			
Senior CADD Operator	12.0	131.00	1,572.00
Project Engineer	24.0	164.00	3,936.00
Project Engineer	10.0	164.00	1,640.00
Project Manager	8.0	169.00	1,352.00
QA/QC Manager	2.0	186.00	372.00
Task 1 - Total for Preparation of Planning Documents	56.0		8,872.00
Task 2 - Preparation of Design Documents			
Survey Department Head	20.0	153.00	3,060.00
Survey Manager	32.0	148.00	4,736.00
Senior CADD Tech - Baseplans	96.0	131.00	12,576.00
Transit / Rod Person	128.0	104.00	13,312.00
Party Chief	128.0	109.00	13,952.00
QA/QC Manager	2.0	186.00	372.00
Project Manager	45.0	169.00	7,605.00
Project Engineer	40.0	164.00	6,560.00
Project Engineer	160.0	164.00	26,240.00
Senior CADD Tech	90.0	131.00	11,790.00
Expense			561.00
Reimbursables			
Mileage			561.00
Total for Reimbursables			561.00
Task 2 - Total for Preparation of Design Documents	741.0		100,764.00

Task 3 - Preparation of Permit Applications

Project Manager	8.0	169.00	1,352.00
Senior Engineering Tech	30.0	131.00	3,930.00
Project Engineer	20.0	164.00	3,280.00
Project Engineer	10.0	164.00	1,640.00
Senior CADD Tech	30.0	131.00	3,930.00
Task 3 - Total for Preparation of Permit Applications	98.0		14,132.00

Task 4 - Bid Phase Services

Project Engineer	8.0	164.00	1,312.00
Project Manager	10.0	169.00	1,690.00
Senior Engineering Tech	15.0	131.00	1,965.00
Task 4 - Total for Bid Phase Services	33.0		4,967.00

Total for Trenton Water Works - Emergency Design Distribution System Improvements **928.0** **128,735.00**

RFP2019-31 EMERGENCY DESIGN OF DISTRIBUTION SYSTEM CLEANING AND CEMENT MOTOR LINING AND WATER MAIN REPLACEMENT AND INSTALLATION IN
EWING TOWNSHIP FOR THE CITY OF TRENTON, DEPARTMENT OF WATER AND SEWER BID OPENED 5/29/19 AT 11:00AM