

RFP2024-03 ENGINEERING SERVICES FOR THE DEPARTMENT OF PUBLIC WORKS ON AN AS NEEDED BASIS - PROPOSAL OPENING DATE 1/17/2024 AT 11:00AM

[illegible]

Cost Proposal



Environmental Resolutions, Inc. (ERI) proposes to provide a proposal to the City of Trenton on an as-needed basis once the City's Department of Public Works determines the actual scope of services for each individual project.

We have provided two (2) project examples of engineering costs for NJDOT grant-funded roadway improvements projects that ERI has provided for our clients in recent years that had varying degrees of design complexity. We have broken these down so that the City is able to see the difference in costs between a simple roadway resurfacing project and another that requires an additional design element such as stormwater/drainage improvements. We hope this format informs the City of ERI's general costs for performing these types of services.

Example Project #1

Project: Britton Place Resurfacing Project, Voorhees Township, Camden County

Length: 1,120 LF (0.21 miles)

Engineering Services Provided: Listed in Table below.

Construction Items: 3" Mill and Overlay, Base Repair, HMA 9.5M64 Surface Course, Remove and Replace Curb (Partial), 4" Thick Sidewalk (Partial), Detectable Warning Surface, Bicycle Safe Grates, HMA Driveway, 3" Thick, Long Life Epoxy Striping and Thermoplastic Striping and Markings, RPMs.

Construction Inspection: Full Time Inspection was performed for this project.

NJDOT Grant Amount: \$359,129.00

Construction Cost: \$351,746.75

Engineering Costs were as follows:

Preliminary Research & Cost Estimates	\$1,870.00
Initial Site Inspection, Field Surveying & Base Plans	\$11,110.00
Preparation of Construction Plans, Specifications & Bid Documents	\$6,270.00
Additional services for printing, meetings, and correspondence	\$1,210.00
Bidding Services	\$500.00
Full Time Observation During Construction	\$15,290.00
NJDOT Grant and Contract Administration	\$3,500.00
TOTAL ENGINEERING SERVICES COSTS:	\$39,750.00

*Percentage of Engineering Costs Compared To Construction Costs: 9.0%
(with Full Time Construction Inspection Included)*

Example Project #2

Project: Tabernacle Road Roadway and Drainage Improvement Project, Phase I, Medford Lakes Borough, Burlington County

Length: 2,270 LF (0.43 miles)

Engineering Services Provided: Listed in Table below.

Major Construction Items: 3" Mill and Overlay, Base Repair, HMA 9.5M64 Surface Course, 12" DIP (If & Where Directed), 12" RCP, 15" RCP, 15" Perforated Corrugated Plastic Pipe, Type 'A' Inlet, Doghouse Type 'A' Inlet, Type 'B' Inlet, Doghouse Type 'B' Inlet, Type 'C' Inlet Complete, Reconstruct Inlet, Eco Head Replacement, Bicycle Safe Grate, Remove & Replace Sanitary Manhole Frame & Casting, Concrete Curb, Concrete Sidewalk, Detectable Warning Surface, Concrete Header Curb (If & Where Directed), Remove & Replace Asphalt Driveway, Stone Driveway, Reset Paver Driveway (If & Where Directed), Asphalt Curb (If and Where Directed), Flexible Delineators, Long Life Epoxy Striping, 4", Thermoplastic Striping, 6", Thermoplastic Striping, 24", RPMs, Uniform Police Officers

Cost Proposal

Construction Inspection: Full Time Inspection was performed for this project.

Funding: Municipal Capital Funds and NJDOT Grant monies

NJDOT Grant Amount: \$238,069.00

Construction Cost: \$395,070.00

Engineering Costs were as follows:

Preliminary Research, Initial Site Inspection, Field Surveying & Base Plans	\$7,200.00
Roadway Cores, Soil Borings & Permeability Analysis	\$5,700.00
Preparation of Construction Plans, Specifications & Bid Documents & Final Cost Estimates	\$11,500.00
Additional services for printing, meetings, and correspondence	\$5,750.00
Bidding Services	\$1,000.00
Full Time Observation During Construction	\$23,000.00
NJDOT Grant and Contract Administration	\$3,350.00
TOTAL ENGINEERING SERVICES COSTS:	\$57,500.00

*Percentage of Engineering Costs Compared To Construction Costs: 16.0%
(with Full Time Construction Inspection Included)*

The ERI Staff assigned to this engagement are billed at the following hourly rates:

<u>Title/Name</u>	<u>2024 Hourly Rate</u>
<u>Principal/Senior Project Manager – Partner</u>	
C. Jeremy Noll, PE, CME, CPWM.....	\$170.00
<u>Resident Engineer/Project Designer</u>	
Ryan G. McCarthy, PE, CME.....	\$130.00
<u>Engineering Support</u>	
Brendan Mulvihill, EIT.....	\$130.00
Paul Dezii, EIT.....	\$115.00
<u>Surveying Department Staff</u>	
Ethan Hyder, CST II, Survey Department Manager.....	\$155.00
John Dura, PLS, Licensed Surveyor.....	\$170.00
Nicholas Alexander, CST I.....	\$130.00
<u>Lead Inspectors (ERI)</u>	
Mathew Kensler, NICET III.....	\$120.00
Charles Sabatini, PE, PP, CME, CPWM.....	\$170.00
Derek DiBartolomeo.....	\$170.00
<u>Drafters</u>	
David S. Hudson.....	\$125.00
Kimberly Robinson.....	\$100.00

Please See Next Page for All Employee Rates.

2024 Schedule of Hourly Rates



Engineering and Planning

Principal	\$185.00
Professional Engineer 1	\$150.00
Professional Engineer 2	\$160.00
Professional Engineer 3	\$170.00
Project Manager 1	\$130.00
Project Manager 2	\$155.00
Engineering Assistant 1	\$95.00
Engineering Assistant 2	\$105.00
Engineering Assistant 3	\$115.00
Engineering Assistant 4	\$125.00
Professional Planner 1	\$135.00
Professional Planner 2	\$150.00
Professional Planner 3	\$170.00
Planning Assistant	\$125.00
Landscape Architect	\$145.00
Jr. Landscape Architect	\$105.00
Hydrogeologist	\$105.00
Senior Hydrogeologist	\$130.00
Environmental Scientist	\$165.00
Licensed Site Remediation Professional	\$195.00

Inspection

Inspector 1	\$105.00
Inspector 2	\$110.00
Inspector 3	\$120.00

Drafting

CADD 1	\$100.00
CADD 2	\$115.00
CADD 3	\$125.00

Surveying

Survey Technician 1	\$80.00
Survey Technician 2	\$95.00
Survey Technician 3	\$130.00
One-Man Survey Crew	\$165.00
Professional Licensed Surveyor	\$170.00

Clerical

Routine Clerical/Photo Copying	No Charge
Non-Routine Clerical	\$75.00

Overhead costs are included in the above hourly rates.



Bright View Engineering, LLC

Moving you forward.

2024 RATE SCHEDULE

TECHNICAL STAFF RATES

BILLING TITLES	HOURLY RATES
Principal.....	165.00
Senior Technical Director.....	165.00
Senior Project Professional.....	160.00
Senior Project Manager	155.00
Project Professional	150.00
Technical Director	145.00
Project Manager.....	140.00
Senior Project Specialist.....	135.00
Senior Technical Professional	135.00
Project Specialist	130.00
Senior Technical Specialist.....	125.00
Technical Professional.....	120.00
Senior Specialist	115.00
Technical Specialist.....	115.00
Specialist.....	100.00
Senior Data Technician.....	95.00
Senior Technical Assistant	85.00
Technical Assistant.....	75.00
Data / Field Technician.....	65.00
Survey Crew – 2 Man.....	225.00
Survey Crew – 1 Man.....	185.00
Expert	325.00
Sr. LSRP	225.00
LSRP.....	190.00

REIMBURSABLE EXPENSES

General Expenses	Cost + 15%
Travel (Hotel, Airfare, Meals).....	Cost + 15%
Sub-Consultants/Sub-Contractors.....	Cost + 15%
Mileage Reimbursement*	0.655 / Per Mile
Plotting	3.50 / Each
Computer Mylars / Color Plots.....	45.00 / Each
Photo Copies.....	0.25 / Each
Color Photo Copies.....	1.50 / Each
Document Binding	3.00 / Each
Compact Disk CD/DVD.....	75.00 / Each
Exhibit Lamination (24" x 36" or larger)	50.00 / Each

* Mileage reimbursement subject to change based upon IRS standard mileage rate.

RATES ARE EFFECTIVE THROUGH DECEMBER 31, 2024

70 South Orange Avenue, Suite 109
Livingston, New Jersey 07039

C: (732) 236-7557 T: (973) 228-0999 F: (201) 753-3904
BrightViewEngineering.com

PO Box 99
Roseland, NJ 07068

PROPOSED 2024 RATE SCHEDULE FOR THE CITY OF TRENTON

ENGINEERING

Principal	\$235
Chief Engineer	\$215
Senior Project Manager	\$205
Project Manager	\$195
Senior Project Engineer	\$187
Project Engineer	\$176
Staff Engineer	\$165

LANDSCAPE ARCHITECTURE

Professional Planner	\$195
Certified Landscape Architect	\$195
Project Landscape Architect	\$176
Senior Designer	\$155
Designer	\$145

SURVEY

Professional Land Surveyor	\$200
Project Surveyor	\$170
Staff Surveyor	\$160
Survey Technician	\$143
Field Crew	\$190
Technical Typist	\$60

**While the above 2024 rates apply, we also welcome the opportunity to provide a task based fee schedule to the City of Trenton upon request.*

PROPOSED HOURLY RATES

REQUEST FOR PROPOSALS (RFP2024-03) ENGINEERING CONSULTING SERVICES ON AN AS NEEDED BASIS

Principal/Project Officer	\$195/hour
Senior Project Manager	\$190/hour
Project Manager	\$185/hour
Senior Project Licensed Professional	\$180/hour
Project Licensed Professional	\$170/hour
Licensed Professional	\$160/hour
Senior Project Coordinator	\$180/hour
Project Coordinator	\$175/hour
Senior Designer/Senior Survey Analyst	\$150/hour
Designer/Survey Analyst	\$135/hour
Senior Environmental Scientist	\$150/hour
Environmental Scientist	\$135/hour
Senior Project GIS Analyst	\$160/hour
Project GIS Analyst	\$150/hour
GIS Analyst	\$145/hour
Senior GIS Technician	\$135/hour
GIS Technician	\$125/hour
Senior GIS Project Coordinator	\$150/hour
GIS Project Coordinator	\$145/hour
Senior Inspector	\$135/hour
Inspector	\$125/hour
Senior Technician	\$130/hour
Technician	\$120/hour
Project Administrator	\$135/hour
Administrative Support	\$75/hour

Equipment Unit Cost:

⇒ Unmanned Aerial Systems/Remotely Operated Vehicle	\$150/hour
⇒ Robotic/LiDAR	\$50/hour
⇒ GPS	\$25/hour
⇒ Environmental Injection Pump & Equipment	\$150/day

Public Meeting Attendance: 2-hr. min. charge

Any actual disbursements and expenses which we incur on your behalf, such as subconsultant fees, application/permit fees, delivery charges, parking, printing and toll charges will be billed at actual **cost-plus 15 percent.**

Mileage will be billed in accordance with federal prevailing wage.

At this point in the qualification stage, we are unable to provide the City of Trenton (City) with a detailed cost proposal. However, once a specific project and scope is known and provided to SCE, we will provide the City with a detailed scope of services and cost proposal, which will include a total cost of each task and be broken down into phases, including:

- ⇒ Research – above/below ground public utilities, plans, tax maps, etc.
- ⇒ Initial inspection – needed for field surveying
- ⇒ Field surveying
- ⇒ Preparation of Plans and Specifications
- ⇒ Additional services which consist of printing, meetings, and correspondence
- ⇒ Periodic observation during construction
- ⇒ Payment submissions to New Jersey Department of Transportation (NJDOT) for reimbursement





MUNICIPAL ENGINEERING SERVICES
GENERAL CONDITIONS AND HOURLY RATE SCHEDULE TO JANUARY 1, 2025

Senior Project Manager	\$197.00 Per Hour
Project Manager	\$196.00 Per Hour
Project Leader	\$194.00 Per Hour
Professional Engineer	\$193.00 Per Hour
Senior Project Scientist	\$188.00 Per Hour
Project Engineer/ Scientist I	\$195.00 Per Hour
Senior Project Engineer.....	\$188.00 Per Hour
Project Engineer/ Scientist II	\$180.00 Per Hour
Project Engineer	\$165.00 Per Hour
Project Engineer/ Scientist III	\$173.00 Per Hour
Project Scientist.....	\$173.00 Per Hour
Project Engineer/Scientist IV	\$157.00 Per Hour
Senior Design Engineer.....	\$152.00 Per Hour
Staff Scientist.....	\$144.00 Per Hour
Drone Pilot.....	\$150.00 Per Hour
Senior Geologist.....	\$185.00 Per Hour
Project Geologist	\$166.00 Per Hour
Staff Geologist.....	\$144.00 Per Hour
Design Engineer	\$144.00 Per Hour
Senior Engineering Technician.....	\$135.00 Per Hour
Engineering Technician	\$128.00 Per Hour
Environmental Technician	\$121.00 Per Hour
Professional Land Surveyor	\$191.00 Per Hour
Land Surveyor.....	\$169.00 Per Hour
Party Chief.....	\$144.00 Per Hour
Robotic Total Station	\$ 83.00 Per Hour
Survey Technician	\$112.00 Per Hour
Resident Engineer.....	\$172.00 Per Hour
Chief Construction Engineer.....	\$162.00 Per Hour
Senior Construction Engineer.....	\$135.00 Per Hour
Construction Engineer.....	\$129.00 Per Hour
Chief Construction Technician.....	\$112.00 Per Hour
Senior Construction Technician.....	\$ 99.00 Per Hour
Construction Technician	\$ 93.00 Per Hour
Technical Assistant.....	\$107.00 Per Hour
Drone Technician	\$ 84.00 Per Hour
Senior CAD Technician	\$142.00 Per Hour
Licensed Landscape Architect.....	\$192.00 Per Hour
Senior Landscape Designer	\$172.00 Per Hour
Certified Tree Expert	\$153.00 Per Hour
Landscape Designer.....	\$137.00 Per Hour
Director of Planning.....	\$197.00 Per Hour
Professional Planner	\$196.00 Per Hour
Project Planner	\$163.00 Per Hour
Planning Technician	\$139.00 Per Hour
Partner.....	\$201.00 Per Hour
Principal/Environmental	\$199.00 Per Hour
Managing Partner.....	\$211.00 Per Hour



2024 SCHEDULE OF BILLABLE HOURLY RATES

It has always been the firm's policy to encourage clients to contact our staff with questions or problems that need to be discussed. No fees are incurred each time the telephone is answered or a meeting is held on-site. Clients are free to discuss various projects without fear of incurring a consulting expense. Fees are all project-related, established at the initiation of the project or as the scope of the project can be defined. Prior to client authorization, a detailed proposal, including a scope of services, will be prepared for all Capital Projects. All proposals are subject to negotiation and approval.

ENGINEERING

Certified Floodplain Manager	\$200
Project Manager, LSRP	\$215
Project Manager/Engineer	\$215
Project Engineer	\$205
Engineer	\$180
Senior Engineering Technician	\$170
Engineering Technician	\$135
Technical Aide	\$90

PLANNING

Planning Manager	\$215
Project Planner	\$205
Senior Landscape Architect/Planner	\$200
Landscape Architect/Planner	\$165

Principal	\$230
Regional Engineer/Manager	\$225
Engineering Department Head	\$220
Administrative Manager	\$140

CONSTRUCTION MANAGEMENT & OBSERVATION

CM & Observation Department Head	\$195
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Construction Management Personnel

Project Manager	\$185
Senior Construction Manager	\$170
Construction Manager	\$160
Asst Construction Manager	\$130

Observer Personnel

Observer Supervisor	\$180
Resident Observer NICET IV	\$180
Observer NICET II/III	\$170
Observer	\$160
Contract Administrator	\$155
NACE Certified Coating Inspector	\$185

SURVEY, CAD & GIS

Field Personnel

Surveyor	\$145
Party Chief	\$140
Transit/Rod Person	\$135
Robotic Crew	\$180

Office Personnel

Survey/CAD Department Head	\$205
Survey Manager	\$200
CAD/GIS Manager	\$195
Senior CAD/GIS Technician	\$165
CAD/GIS Technician	\$145

Mileage Commensurate in accordance with IRS Regulations



YOUR GOALS. OUR MISSION.

TRENOH-24010

January 17, 2024

Isabel C. Garcia, QPA, Purchasing Agent
Division of Purchasing, 1st floor
319 East State Street
Trenton, NJ 08608

RE: RFP2024-03 | COST PROPOSAL FOR ENGINEERING CONSULTING SERVICES ON AN AS NEEDED BASIS FOR THE
CITY OF TRENTON DEPARTMENT OF PUBLIC WORKS DIVISION OF TRANSPORTATION AND ENGINEERING

Dear Ms. Garcia,

Since our inception more than five decades ago, T&M Associates (T&M) has been assisting our clients work through the constantly evolving public environment. Our professionals, whether engineers, environmental scientists or planners, take a proactive approach to our clients' needs allowing us to increase efficiencies; anticipate new regulations and requirements; and identify alternate budget sources. In this manner, they are able to leverage the insights and value of their experience to successfully deliver on project needs and goals. Our clients count on us to provide smart counsel and always protect and promote their best interests. We make 'Your Goals, Our Mission'.

T&M has performed as-needed professional engineering services and construction inspection contracts for numerous clients including the New Jersey Department of Transportation, Ocean County, Union County, South Jersey Transportation Authority, Port Authority of New York and New Jersey and various municipal clients throughout New Jersey. Our staff is available immediately to process the task orders anticipated under this contract with a commitment to maintain scope, schedule and budget.

We appreciate the opportunity to submit a cost proposal for Engineering Consulting Services on an as-needed basis. Our team is excited about the prospect of collaborating with The City of Trenton and delivering exceptional results.

The contract for this project is anticipated to last a maximum of three hundred sixty-five (365) calendar days. The proposed project will include Scope of Work as noted in Section 3.0 of the RFP. Our team is committed to delivering high-quality services in a timely manner, ensuring the successful completion of the project.

We propose a total cost not to exceed \$170,000.00. Once project location and scope of work are identified, T&M will submit a detailed proposal as noted in Section 15.0 Subsection e of the RFP. The budget will include all necessary resources, materials, labor, and overhead costs associated with the successful execution of the project. Our pricing is competitive, and we believe it reflects the value and expertise we bring to the table. T&M understands that this contract is for services on an as-needed basis and will be cost-reimbursable.

Payment for the services rendered will be structured as follows:

1. City of Trenton agrees to provide necessary information to facilitate the smooth progress of the project.
2. Any changes to the scope of work as noted in Section 3.0 may result in adjustments to the project cost.

We are confident in our ability to deliver exceptional results and look forward to the opportunity to contribute to the success of The City of Trenton. Should you have any questions or require further clarification, please don't hesitate to contact me at 856.722.6700 or via email at TPatel@tandmassociates.com.

Thank you for considering our proposal.

Very truly yours,

Tejal Patel, PE, CME, LEED AP
Client Manager



2024 Schedule of Fees

Senior Project Consultant	\$195.00/hr.
Project Consultant.....	\$190.00/hr.
Senior Project Manager	\$185.00/hr.
Project Manager.....	\$185.00/hr.
Senior Engineer	\$180.00/hr.
Project Engineer	\$155.00/hr.
Senior Staff Engineer.....	\$130.00/hr.
Staff Engineer	\$115.00/hr.
Licensed Site Remediation Professional (LSRP).....	\$200.00/hr.
Professional Geologist.....	\$150.00/hr.
Senior Environmental Specialist.....	\$150.00/hr.
Senior Environmental Scientist.....	\$145.00/hr.
Environmental Project Coordinator.....	\$140.00/hr.
Environmental Engineer.....	\$125.00/hr.
Environmental Scientist	\$120.00/hr.
Environmental Permitting Assistant	\$110.00/hr.
Environmental Technician	\$105.00/hr.
Senior Licensed Landscape Architect.....	\$200.00/hr.
Licensed Landscape Architect.....	\$175.00/hr.
Landscape Designer	\$120.00/hr.
Professional Planner.....	\$150.00/hr.
Professional Land Surveyor.....	\$200.00/hr.
Senior Designer	\$150.00/hr.
Designer.....	\$135.00/hr.
Senior Drafter	\$120.00/hr.
Drafter	\$110.00/hr.
Technical Coordinator.....	\$95.00/hr.
Survey Party Chief	\$145.00/hr.
Senior Survey Technician	\$130.00/hr.
Survey Technician.....	\$110.00/hr.
Survey Field Crew (two person)	\$250.00/hr.
Survey Field Crew Robotic (1 person)	\$210.00/hr.
Lab Supervisor	\$125.00/hr.
Resident Engineer	\$140.00/hr.
Senior Field Representative	\$105.00/hr.
Field Representative.....	\$100.00/hr.
Field Technician	\$90.00/hr.
Staff Professional	\$75.00/hr.
Technical Assistant.....	\$85.00/hr.
Administrative Services.....	\$70.00/hr.



2024 Miscellaneous Reimbursable Expenses

Miscellaneous Office Services

Mileage (Employee Travel Time will be Invoiced at the Individuals Hourly Rate, Door-To-Door)	\$0.67 / mile
Certified Mailing/Return Receipt	\$6.80 + postage / piece
Express Delivery Service (Federal Express, etc.)	Calculations per weight / piece
USPS Package Mailing (Plans/Reports)	Postage + 15% / piece

Plotting and Graphic Services

Bond	\$0.20 / sf
Vellum	\$0.35 / sf
Color	\$0.75 / sf
Mylar	\$0.70 / sf
Presentation Board -24" x 36"	\$10.00 / board
Presentation Board -30" x 42"	\$20.00 / board
CD or DVD	\$1.00 / Disk