

CC2022-03 ENGINEERING SERVICE IMPROVEMENTS TO TRENTON WATER WORKS REPLACEMENT FOR THE CITY OF TRENTON PROPOSALS OPENED 12/13/2022 AT 11:00AM

8. Fee Proposal

ENGINEERING SERVICES FOR DISTRIBUTION SYSTEM IMPROVEMENTS TO TRENTON WATER WORKS SYSTEM AS PART OF PHASE 1 – PENNINGTON REPLACEMENT PROJECT FOR A PERIOD OF FOUR (4) YEARS

| | Planned Hours | Billing Rates | Planned Bill |
|---|-----------------|---------------|---------------------|
| Total Project Summary: | | | |
| Task 1 - Design / Permitting - Phase 1 Off-site Water Distribution System Improvements | 1,051.00 | | \$166,060.00 |
| Task 2a - Total Bid Phase Services - Transmission Main and Fittings - Procurement Only | 15.00 | | \$2,165.00 |
| Task 2b - Total Bid Phase Services - Water Distribution System at Pennington | 16.00 | | \$2,290.00 |
| Task 2c - Total for Bid Phase Services - Furnishing & Installation Pressure Reducing Stations | 16.00 | | \$2,290.00 |
| Task 3a - Construction Phase Services - Phase 1 Off-Site Water Distribution Improvements | 1,100.00 | | \$170,500.00 |
| Task 3b - Construction Phase Services - Phase 1 Water Storage Tank Projects | 2,646.00 | | \$406,120.00 |
| Task 4 - TWW Operational Materials and Support | 50.00 | | \$7,250.00 |
| Task 5 - Allowance | | | \$120,000.00 |
| Total for Trenton City Water Works - Phase 1 - Pennington Replacement Project | 4,894.00 | | \$876,675.00 |

8. Fee Proposal

| | Planned Hours | Billing Rates | Planned Bill |
|---|-----------------|---------------|---------------------|
| Task 1 - Design / Permitting (Phase 1 Off-site Water Distribution System Improvements) | | | |
| Data Collection & Document Review (3 separate bid packages) | | | |
| Cuthbert, Stephanie - Project Manager | 1.00 | \$190.00 | \$190.00 |
| Hubal, Mark - Senior Design Engineer | 2.00 | \$180.00 | \$360.00 |
| Marques, Timothy - Senior Design Engineer | 12.00 | \$180.00 | \$2,160.00 |
| Hayes, Ryan - Senior Engineering Tech | 24.00 | \$150.00 | \$3,600.00 |
| Hogan, Kalina - Senior Engineering Tech - Modeler | 24.00 | \$150.00 | \$3,600.00 |
| Total for Data Collection & Document Review | 63.00 | | \$9,910.00 |
| Design Memorandum (3 separate bid packages) | | | |
| Cuthbert, Stephanie - Project Manager | 1.00 | \$190.00 | \$190.00 |
| Hubal, Mark - Senior Design Engineer | 8.00 | \$180.00 | \$1,440.00 |
| Marques, Timothy - Senior Design Engineer | 16.00 | \$180.00 | \$2,880.00 |
| Hayes, Ryan - Senior Engineer Technician | 48.00 | \$150.00 | \$7,200.00 |
| Yoder, Dennis - QAQC | 2.00 | \$190.00 | \$380.00 |
| Total for Design Memorandum | 75.00 | | \$12,090.00 |
| Survey - Supplemental (if required) | | | |
| Adamson, Charles - Survey QAQC | 2.00 | \$180.00 | \$360.00 |
| Kordes Jr., Mark - Rodperson | 48.00 | \$125.00 | \$6,000.00 |
| Kordes, Mark - Party Chief | 48.00 | \$130.00 | \$6,240.00 |
| Savage, James - Draftsperson | 52.00 | \$155.00 | \$8,060.00 |
| Yorkiewicz, Brian - Survey Manager | 4.00 | \$175.00 | \$700.00 |
| Total for Survey - Supplemental | 154.00 | | \$21,360.00 |
| Plans & Specifications (3 separate bid packages) | | | |
| Cuthbert, Stephanie - Project Manager | 8.00 | \$190.00 | \$1,520.00 |
| Cameron, Matthew - Senior Draftsperson | 90.00 | \$155.00 | \$13,950.00 |
| Hubal, Mark - Senior Design Engineer | 16.00 | \$180.00 | \$2,880.00 |
| Marques, Timothy - Senior Design Engineer | 80.00 | \$180.00 | \$14,400.00 |
| Hayes, Ryan - Senior Engineer Technician | 240.00 | \$150.00 | \$36,000.00 |
| Mingle, Joseph - Design Engineer | 16.00 | \$180.00 | \$2,880.00 |
| Kramer, Kristin - Design Engineer | 100.00 | \$165.00 | \$16,500.00 |
| Meyer, Carl - Engineering Technician | 4.00 | \$125.00 | \$500.00 |
| Rodgers, Gail - Technical Aide | 16.00 | \$85.00 | \$1,360.00 |
| Yoder, Dennis - QAQC | 6.00 | \$190.00 | \$1,140.00 |
| Total for Plans & Specifications | 576.00 | | \$91,130.00 |
| Permitting | | | |
| Cuthbert, Stephanie - Project Manager | 1.00 | \$190.00 | \$190.00 |
| Marques, Timothy - Senior Design Engineer | 16.00 | \$180.00 | \$2,880.00 |
| Hogan, Kalina - Permitting | 62.00 | \$150.00 | \$9,300.00 |
| Hubal, Mark - Senior Design Engineer | 2.00 | \$180.00 | \$360.00 |
| Total for Permitting | 81.00 | | \$12,730.00 |
| NJ I Bank Support - Water Distribution System Improvements | | | |
| Kelley, Paul - Ibank Specialist | 48.00 | \$180.00 | \$8,640.00 |
| Total for NJ I Bank Support | 48.00 | | \$8,640.00 |
| Design Phase Meetings | | | |
| Cuthbert, Stephanie - Project Manager | 18.00 | \$190.00 | \$3,420.00 |
| Hubal, Mark - Senior Design Engineer | 18.00 | \$180.00 | \$3,240.00 |
| Marques, Timothy - Senior Design Engineer | 18.00 | \$180.00 | \$3,240.00 |
| Task 1 - Total for Design Phase Meetings | 54.00 | | \$9,900.00 |
| Expense - Mileage | | | \$300.00 |
| TOTAL Task 1 - Design / Permitting (Phase 1 Off-site Water Distribution System Improvements) | 1,051.00 | | \$166,060.00 |

8. Fee Proposal

| | Planned Hours | Billing Rates | Planned Bill |
|--|-----------------|---------------|---------------------|
| Task 2a - Bid Phase Services Transmission Main & Fittings (Procurement Only) | | | |
| Cuthbert, Stephanie - Project Manager | 1.00 | \$190.00 | \$190.00 |
| Hubal, Mark - Senior Design Engineer | 1.00 | \$180.00 | \$180.00 |
| Hayes, Ryan - Senior Engineer Technician | 10.00 | \$150.00 | \$1,500.00 |
| Meyer, Carl - Technical Aide Reproduction | 1.00 | \$125.00 | \$125.00 |
| Rodgers, Gail - Technical Aide | 2.00 | \$85.00 | \$170.00 |
| Task 2a - Bid Phase Services Transmission Main & Fittings (Procurement Only) | 15.00 | | \$2,165.00 |
| Task 2b - Bid Phase Services - Water Distribution System Improvements | | | |
| Cuthbert, Stephanie - Project Manager | 1.00 | \$190.00 | \$190.00 |
| Hubal, Mark - Senior Design Engineer | 1.00 | \$180.00 | \$180.00 |
| Hayes, Ryan - Senior Engineer Technician | 10.00 | \$150.00 | \$1,500.00 |
| Meyer, Carl - Technical Aide Reproduction | 2.00 | \$125.00 | \$250.00 |
| Rodgers, Gail - Technical Aide | 2.00 | \$85.00 | \$170.00 |
| Task 2b - Bid Phase Services - Water Distribution System Improvements | 16.00 | | \$2,290.00 |
| Task 2c - Bid Phase Services - Furnishing & Installing Pressure Reducing Stations | | | |
| Cuthbert, Stephanie - Project Manager | 1.00 | \$190.00 | \$190.00 |
| Hubal, Mark - Senior Design Engineer | 1.00 | \$180.00 | \$180.00 |
| Hayes, Ryan - Senior Engineer Technician | 10.00 | \$150.00 | \$1,500.00 |
| Meyer, Carl - Technical Aide Reproduction | 2.00 | \$125.00 | \$250.00 |
| Rodgers, Gail - Technical Aide | 2.00 | \$85.00 | \$170.00 |
| Task 2c - Bid Phase Services - Furnishing & Installing Pressure Reducing Stations | 16.00 | | \$2,290.00 |
| Task 3a - Construction Phase Engineering & Inspection Services - Phase 1 Offsite Water Distribution System Improvements | | | |
| Cuthbert, Stephanie - Project Manager | 8.00 | \$190.00 | \$1,520.00 |
| Hubal, Mark - Senior Design Engineer | 8.00 | \$180.00 | \$1,440.00 |
| Marques, Timothy - Senior Engineer Technician | 16.00 | \$180.00 | \$2,880.00 |
| Hayes, Ryan - Senior Engineer Technician | 32.00 | \$150.00 | \$4,800.00 |
| Parent, Gabriel - Inspector | 1,000.00 | \$155.00 | \$155,000.00 |
| Brewer, William - Inspector | 20.00 | \$155.00 | \$3,100.00 |
| Valentine, Ronald - Contract Admin | 16.00 | \$110.00 | \$1,760.00 |
| Task 3a - Construction Phase Engineering & Inspection Services - Phase 1 Offsite Water Distribution System Improvements | 1,100.00 | | \$170,500.00 |
| Task 3b - Construction Phase Engineering & Inspection Services - Phase 1 Water Storage Tank Projects | | | |
| Cuthbert, Stephanie - Project Manager | 6.00 | \$190.00 | \$1,140.00 |
| Hubal, Mark - Senior Design Engineer | 12.00 | \$180.00 | \$2,160.00 |
| Kramer, Kristin - Senior Engineer Technician | 48.00 | \$165.00 | \$7,920.00 |
| Parent, Gabriel - Inspector | 1,400.00 | \$155.00 | \$217,000.00 |
| Stathakopolus, Chris - Inspector | 1,100.00 | \$150.00 | \$165,000.00 |
| Brewer, William - Inspector | 20.00 | \$155.00 | \$3,100.00 |
| Mitchel, Butler - Structural Engineer | 40.00 | \$165.00 | \$6,600.00 |
| Valentine, Ronald - Contract Admin | 20.00 | \$110.00 | \$2,200.00 |
| Expenses - Mileage | | | \$1,000.00 |
| Total for Task 3b - Construction Phase Engineering & Inspection Services - Phase 1 Water Storage Tank Projects | 2,646.00 | | \$406,120.00 |
| Task 4 - Operational Materials & Support | | | |
| Cantwell, Joseph - Licensed Operator | 50.00 | \$145.00 | \$7,250.00 |
| Total for Task 4 - Operational Materials and Support | 50.00 | | \$7,250.00 |
| Allowance 1 - Unforeseen Conditions | | | |
| Allowance - if & where directed | | | \$120,000.00 |
| Total for Allowance 1 - Unforeseen Conditions | | | \$120,000.00 |

Fee Proposal

Our fee for the work as defined in the RFP and as clarified by our approach and scope is **\$1,990,965**. This includes a \$120,000 allowance under Task 5 for unforeseen and miscellaneous services as requested by TWW that are outside of the tasks listed in the RFP and this proposal.

| Task | Description | Hours | Approx. Average Billing Rates (2023-2026) | | | \$255 | \$230 | \$240 | \$180 | \$160 | \$120 | \$110 | \$105 | \$170 | \$160 | |
|--------|--|--------|---|------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| | | | Labor Costs | Expenses | Total Costs | | | | | | | | | | | |
| 1 | Design/Permitting Services - PH1 Off-Site Water Distribution Improvements | 1,364 | \$ 198,469 | \$ 35,900 | \$ 234,369 | 44 | 254 | | 12 | 406 | 8 | 640 | | | | |
| 2a | Bid Services - PH1 Off-Site Water Distribution Improvements Bid Package 1: Distribution System Improvements at Pennington Reservoir | 79 | \$ 13,109 | \$ 2,250 | \$ 15,359 | 1 | 20 | | 8 | 28 | | 22 | | | | |
| 2b | Bid Services - Off-Site Water Distribution Improvements Bid Package 2: PRV Stations | 63 | \$ 9,916 | \$ 1,125 | \$ 11,041 | 1 | 10 | | 8 | 26 | | 18 | | | | |
| 2c | Bid Services - Off-Site Water Distribution Improvements Bid Package 3: Main and Fittings (Procurement) | 23 | \$ 4,043 | \$ 100 | \$ 4,143 | | 9 | | 8 | | | 6 | | | | |
| 3a | Construction Phase Engineering Services - Off-Site Water Distribution Improvements | 2,925 | \$ 412,282 | \$ - | \$ 412,282 | | 275 | 8 | 238 | | 88 | 744 | 336 | 624 | 612 | |
| 3b | Construction Phase Engineering Services - Prospect Street Water Storage Tank Project | 6,835 | \$ 1,137,600 | \$ 4,500 | \$ 1,142,100 | 482 | | 130 | 1,234 | 70 | 212 | 704 | 246 | 3,437 | 320 | |
| 4 | TWW Operational Materials and Support | 278 | \$ 50,271 | \$ 1,400 | \$ 51,671 | 36 | | 20 | | 206 | 16 | | | | | |
| 5 | TWW Defined Allowance | | | \$ 120,000 | \$ 120,000 | | | | | | | | | | | |
| Totals | | 11,567 | \$ 1,825,690 | \$ 165,275 | \$ 1,990,965 | 564 | 568 | 158 | 1,500 | 744 | 324 | 2,134 | 582 | 4,061 | 932 | |

| Task | Description | Sub-Task No | Hours | Cost |
|------|--|---|--------------|----------------|
| 1 | Task 1: Design/Permitting Services | 1. Survey | 173 | \$ 22,704.00 |
| 2 | 2. Data Collection and Document Review | 56 | \$ 14,777.00 | |
| 3 | 3. Design Memorandum | 88 | \$ 15,176.00 | |
| 4 | 4. Construction Drawings and Technical Specifications for Six PRV Stations | 237 | \$ 41,067.00 | |
| 5 | 5. Construction Drawings and Technical Specifications for Water Distribution System Improvements | 255 | \$ 44,211.00 | |
| 6 | 6. Permitting | 73 | \$ 12,846.00 | |
| 7 | 7. NJ-LBank Application/Support | 155 | \$ 26,678.00 | |
| 8 | 8. Design Phase Meetings | 60 | \$ 10,728.00 | |
| 2 | Task 2: Bid Services | 1. Bid Phase Services for Transmissions Main and Filtrations (Procurement Only) | 48 | \$ 8,330.00 |
| 3 | Task 3: Construction Phase Engineering Services | 1. Off-Site Water Distribution Improvements | 59 | \$ 10,232.00 |
| 4 | Task 4: TWW Operational Materials and Support | 2. Construction Phase Services for Tank Project | 6,561 | \$ 986,506.00 |
| | | 3. Bid Phase Services for Filtration Stations | 2,041 | \$ 308,883.00 |
| | | 4. Construction Phase Services for Off-Site Water Distribution Improvements | 75 | \$ 13,654.00 |
| D | Task 4: Allowance | ALLOWANCE | - | \$ 120,000.00 |
| | | SUBTOTAL | | \$1,526,024.00 |
| | | TOTAL | | \$1,646,024.00 |

We find that the effort necessary to successfully undertake and complete the Scope of Services described under the City of Trenton's RFP can be provided for the total, not to exceed cost, indicated below:



| CME ASSOCIATES CME PROJECT NO. PTN00406.01 PROFESSIONAL SERVICES FOR: DISTRIBUTION SYSTEM IMPROVEMENTS CITY OF TRENTON - TRENTON WATER WORKS | | The City of Trenton | | | | | | | | | | | | | | |
|--|---|---|-----------------|-----------------|-----------------------|----------------------|------------------|------------------------|------------------------------|-----------------|-------------------|-----------------|---------------------|-----------------------|------------------|------------------------|
| TASK | DESCRIPTION | HOUR AND COST BREAKDOWN SUMMARY CME Professional Services Labor Manhours by Classification | | | | | | | | | | | | | | |
| | | Partner | Principal | Project Manager | Professional Engineer | Sr. Project Engineer | Project Engineer | Senior Design Engineer | Senior Construction Engineer | Party Chief | Survey Technician | Design Engineer | Technical Assistant | Senior CAD Technician | TOTAL HOURS | LABOR COSTS |
| CME ASSOCIATES LABOR | | | | | | | | | | | | | | | | |
| 1 | Design/Permitting Services | 7.00 | 127.00 | 12.00 | 0.00 | 0.00 | 326.00 | 490.00 | 0.00 | 75.00 | 50.00 | 0.00 | 24.00 | 16.00 | 1,127.00 | \$ 188,187.00 |
| | Survey | | | 8.00 | | | | | | 75.00 | 50.00 | | 24.00 | 16.00 | 173.00 | \$ 22,704.00 |
| | Data Collection and Document Review | | 13.00 | | | | 40.00 | 32.00 | | | | | | | 85.00 | \$ 14,777.00 |
| | Design Memorandum | | 8.00 | | | | 32.00 | 48.00 | | | | | | | 88.00 | \$ 15,176.00 |
| | Construction Drawings and Technical Specifications for PRV Stations | 2.00 | 31.00 | | | | 68.00 | 136.00 | | | | | | | 237.00 | \$ 41,067.00 |
| | Construction Drawings and Technical Specifications Water Dist. Sys. | 2.00 | 35.00 | | | | 72.00 | 146.00 | | | | | | | 255.00 | \$ 44,211.00 |
| | Permitting | 1.00 | 8.00 | 4.00 | | | 16.00 | 45.00 | | | | | | | 74.00 | \$ 12,846.00 |
| | NJ I-Bank Application/Support | 2.00 | 8.00 | | | | 52.00 | 83.00 | | | | | | | 155.00 | \$ 26,678.00 |
| | Design Phase Meetings | | 24.00 | | | | 36.00 | | | | | | | | 60.00 | \$ 10,728.00 |
| 2 | Bid Services | 3.00 | 34.00 | 0.00 | 0.00 | 0.00 | 61.00 | 0.00 | 0.00 | 0.00 | 0.00 | 68.00 | 0.00 | 0.00 | 166.00 | \$ 28,794.00 |
| | Bid Phase Services for Transmission Main and Fittings (Procurement) | 1.00 | 10.00 | | | | 17.00 | | | | | 20.00 | | | 48.00 | \$ 8,330.00 |
| | Bid Phase Services for Water Distribution System Improvements | 1.00 | 12.00 | | | | 22.00 | | | | | 24.00 | | | 59.00 | \$ 10,232.00 |
| | Bid Phase Services for Furnishing and Installing PRV Stations | 1.00 | 12.00 | | | | 22.00 | | | | | 24.00 | | | 59.00 | \$ 10,232.00 |
| 3 | Construction Phase Engineering Services | 12.00 | 0.00 | 290.00 | 84.00 | 963.00 | 87.00 | 0.00 | 7,083.00 | 37.00 | 27.00 | 0.00 | 47.00 | 13.00 | 8,643.00 | \$ 1,295,389.00 |
| | Construction Phase Services for Off-Site Water Dist. Improvements | 6.00 | | 120.00 | 7.00 | 276.00 | 5.00 | | 1,570.00 | 16.00 | 16.00 | | 18.00 | 13.00 | 2,047.00 | \$ 308,883.00 |
| | Construction Phase Services for Prospect Street Water Storage Tanks | 6.00 | | 170.00 | 77.00 | 687.00 | 82.00 | | 5,513.00 | 21.00 | 11.00 | | 29.00 | | 6,596.00 | \$ 986,506.00 |
| 4 | TWW Operational Materials and Support | 1.00 | 8.00 | 0.00 | 66.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 75.00 | \$ 13,654.00 |
| | BILLING RATE/HR (AS PER RATE SCHEDULE) | \$196.00 | \$189.00 | \$184.00 | \$181.00 | \$174.00 | \$172.00 | \$170.00 | \$145.00 | \$138.00 | \$125.00 | \$166.00 | \$97.00 | \$144.00 | 10,011.00 | \$ 1,526,024.00 |
| | | | | | | | | | | | | | | | SUBTOTAL | \$ 1,526,024.00 |
| | | | | | | | | | | | | | | | ALLOWANCE | \$ 120,000.00 |
| | | | | | | | | | | | | | | | TOTAL | \$ 1,646,024.00 |

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|-------------------|----------------|-------------------|-----------------------|-------------------|-------------------------|-------------------|------------------|-------------------|------------------------|-------------------|-----------------|-------------------|------------------------|-------------------|-------------|-------------------|---|-------------------|------------------|-------------------|----------|-------------------|-------------|------------------|---------------------|-------------------|-------------------|-------------------|-----------------------------|-------------------|-------------------------|-------------------|--------------------------------|-------------------|-------------------------|-------------------|------------|------------------|-----------------------|-------------------|------------------------------|-------------------|---------------------------|-------------------|----------------------|-------------------|-----------------|-------------------|-------------------|-------------------|---|-------------------|
| Senior Project Manager | \$185.00 Per Hour | Project Leader | \$184.00 Per Hour | Professional Engineer | \$183.00 Per Hour | Senior Project Engineer | \$174.00 Per Hour | Project Engineer | \$172.00 Per Hour | Senior Design Engineer | \$170.00 Per Hour | Design Engineer | \$166.00 Per Hour | Senior Design Engineer | \$145.00 Per Hour | Drone Pilot | \$139.00 Per Hour | Engineering Technician/Maintenance Information Systems Technician | \$138.00 Per Hour | Drone Technician | \$138.00 Per Hour | Surveyor | \$138.00 Per Hour | Party Chief | \$77.00 Per Hour | Surveyor Technician | \$125.00 Per Hour | Resident Engineer | \$125.00 Per Hour | Chief Construction Engineer | \$140.00 Per Hour | Construction Technician | \$138.00 Per Hour | Senior Construction Technician | \$131.00 Per Hour | Construction Consultant | \$125.00 Per Hour | Technician | \$97.00 Per Hour | Senior CAD Technician | \$144.00 Per Hour | Licensed Landscape Architect | \$181.00 Per Hour | Senior Landscape Designer | \$186.00 Per Hour | Professional Planner | \$185.00 Per Hour | Project Planner | \$165.00 Per Hour | Principal Planner | \$176.00 Per Hour | Managing Partner/Administrative Partner | \$217.00 Per Hour |
|------------------------|-------------------|----------------|-------------------|-----------------------|-------------------|-------------------------|-------------------|------------------|-------------------|------------------------|-------------------|-----------------|-------------------|------------------------|-------------------|-------------|-------------------|---|-------------------|------------------|-------------------|----------|-------------------|-------------|------------------|---------------------|-------------------|-------------------|-------------------|-----------------------------|-------------------|-------------------------|-------------------|--------------------------------|-------------------|-------------------------|-------------------|------------|------------------|-----------------------|-------------------|------------------------------|-------------------|---------------------------|-------------------|----------------------|-------------------|-----------------|-------------------|-------------------|-------------------|---|-------------------|

GENERAL CONDITIONS AND HOURLY RATE SCHEDULE TO JANUARY 1, 2024



PROPOSED HOURLY RATES

REQUEST FOR PROPOSALS

DISTRIBUTION SYSTEM IMPROVEMENTS TO TRENTON WATER WORKS SYSTEM PHASE 1 PENNINGTON REPLACEMENT PROJECT

| | |
|---------------------------------------|------------|
| Principal/Project Officer | \$175/hour |
| Senior Project Manager | \$173/hour |
| Project Manager | \$168/hour |
| Senior Project Licensed Professional | \$162/hour |
| Project Licensed Professional | \$155/hour |
| Licensed Professional | \$148/hour |
| Senior Project Coordinator | \$162/hour |
| Project Coordinator | \$160/hour |
| Senior Designer/Senior Survey Analyst | \$136/hour |
| Designer/Survey Analyst | \$128/hour |
| Senior Environmental Scientist | \$133/hour |
| Environmental Scientist | \$128/hour |
| Senior Project GIS Analyst | \$148/hour |
| Project GIS Analyst | \$138/hour |
| GIS Analyst | \$133/hour |
| Senior GIS Technician | \$123/hour |
| GIS Technician | \$113/hour |
| Senior GIS Project Coordinator | \$138/hour |
| GIS Project Coordinator | \$133/hour |
| Senior Inspector | \$123/hour |
| Inspector | \$113/hour |
| Senior Technician | \$118/hour |
| Technician | \$108/hour |
| Project Administrator | \$123/hour |
| Administrative Support | \$68/hour |

Equipment Unit Cost:

- ⇒ Unmanned Aerial Systems/Remotely Operated Vehicle \$150/hour
- ⇒ Robotic/LiDAR \$50/hour
- ⇒ GPS \$25/hour

LSRP Services Unit Cost:

- ⇒ For any environmental services requiring LSRP oversight and certification, a \$25/hour unit cost will be included in addition to the hourly rate for roles above.

Public Meeting Attendance: 2-hr. min. charge

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

Mileage will be billed in accordance with federal prevailing wage.



W W W . S U B U R B A N C O N S U L T I N G . C O M

54 suburban

Se-Proj. No. _____ Licensed by: _____

| Phase Description | FICPO | PM | Staffing | | | | | | | | | | | | Total FTE | Expenses | Total S | |
|---|-------|-----|---------------------|----------------------|-----------------------|---------------------------------|-------------------------|-------------------|----------------|-----------------------|---------------------|---------------|-----------|------------|-----------|----------|------------------|-----------------------|
| | | | Sr. Project Manager | Project Professional | Licensed Professional | Mr. Designer/Mr. Survey Analyst | Designer/Survey Analyst | Mr. Environmental | Communications | Mr. Proj. CDR Analyst | Proj. Administrator | Sr. Inspector | Inspector | Technician | Admin. | | | |
| Project 1: Distribution Improvements - Task 1 - Design/Permitting Services | | | | | | | | | | | | | | | | | | |
| <i>Survey</i> | 24 | | | | | | 82 | | | | | | | | | 77 | | 183 \$ 3,000 \$ 27,43 |
| <i>Project Setup</i> | | 40 | | | | | | | | | | | | | | 40 | | \$ 6,72 |
| <i>Kickoff Meeting</i> | 8 | 16 | 16 | | | | 8 | 8 | | | | | | | | 8 | 72 | \$ 300 \$ 10,62 |
| <i>Site Visit</i> | | 8 | 8 | | | | 8 | 8 | | | | | | | | 32 | | \$ 4,75 |
| <i>Historical Documents</i> | | 3 | | | | | 8 | 24 | | | | | | | | 35 | | \$ 4,66 |
| <i>Basis of Design Report</i> | | | | | | | | | | | | | | | | 0 | | \$ - |
| <i>BODR Draft</i> | 2 | 10 | 8 | | | | 16 | 60 | | | | | | | | 8 | 112 | \$ 35 \$ 14,74 |
| <i>BODR Internal Tech Review</i> | 8 | 8 | 8 | | | | 16 | 16 | | | | | | | | 8 | 72 | \$ 25 \$ 9,81 |
| <i>BODR Final</i> | | 8 | 8 | | | | 8 | 24 | | | | | | | | 8 | 64 | \$ 50 \$ 8,37 |
| <i>30% Plans</i> | | 8 | 28 | 16 | | | 60 | 200 | | | | | | | | 4 | 324 | \$ 150 \$ 43,64 |
| <i>30% Specs Water Distribution System</i> | | | | 6 | | | 20 | 20 | | | | | | | | 10 | 64 | \$ 35 \$ 8,09 |
| <i>30% Specs PRV Chamber</i> | | | | 6 | | | 20 | 20 | | | | | | | | 10 | 64 | \$ 35 \$ 8,09 |
| <i>Internal Review</i> | 8 | 8 | 8 | | | | | 8 | | | | | | | | 4 | 36 | \$ 150 \$ 5,70 |
| <i>Client Review</i> | 8 | 8 | 8 | | | | | 8 | | | | | | | | 4 | 36 | \$ 150 \$ 5,70 |
| <i>60% Plans</i> | 4 | 22 | 8 | | | | 40 | 160 | | | | | | | | 4 | 246 | \$ 150 \$ 32,79 |
| <i>60% Specs Water Distribution System</i> | | 13 | | | | | 80 | 20 | | | | | | | | 20 | 8 | 141 \$ 50 \$ 18,67 |
| <i>60% Specs PRV Chamber</i> | | 13 | | | | | 80 | 20 | | | | | | | | 20 | 8 | 141 \$ 50 \$ 18,67 |
| <i>Internal Review</i> | 8 | 8 | 8 | | | | | 8 | | | | | | | | 4 | 36 | \$ 200 \$ 5,75 |
| <i>Client Review</i> | 8 | 8 | 8 | | | | | 8 | | | | | | | | 4 | 122 | \$ 150 \$ 16,60 |
| <i>90% Plans</i> | 4 | 18 | 8 | | | | 20 | 60 | | | | | | | | 8 | 73 | \$ 50 \$ 9,47 |
| <i>90% Specs Water Distribution System</i> | | 7 | | | | | 40 | 10 | | | | | | | | 8 | 73 | \$ 50 \$ 9,47 |
| <i>90% Specs PRV Chamber</i> | | 7 | | | | | 40 | 10 | | | | | | | | 8 | 73 | \$ 50 \$ 9,47 |
| <i>Internal Review</i> | 8 | 8 | 8 | | | | | 8 | | | | | | | | 4 | 44 | \$ 200 \$ 6,100 |
| <i>Client Review</i> | 8 | 8 | 8 | | | | | 8 | | | | | | | | 4 | 44 | \$ 200 \$ 6,100 |
| <i>Final</i> | 4 | 18 | 8 | | | | 16 | 34 | | | | | | | | 80 | \$ 225 \$ 11,773 | |
| Procurement for Pipes and Fitting | | | | | | | | | | | | | | | | | | \$ - |
| <i>Plans</i> | 8 | 4 | 8 | | | | | | | | | | | | | 8 | 36 | \$ 150 \$ 5,046 |
| <i>Specs</i> | 4 | 4 | 4 | | | | | | | | | | | | | 4 | 24 | \$ 50 \$ 3,106 |
| Water Distribution System Construction | | | | | | | | | | | | | | | | 0 | | \$ - |
| <i>Plans</i> | 8 | 4 | 8 | | | | | | | | | | | | | 8 | 36 | \$ 150 \$ 5,046 |
| <i>Specs</i> | 4 | 4 | 4 | | | | | | | | | | | | | 4 | 24 | \$ 50 \$ 3,106 |
| PRV Chamber Construction | | | | | | | | | | | | | | | | 0 | | \$ - |
| <i>Plans</i> | 8 | 4 | 8 | | | | | | | | | | | | | 8 | 36 | \$ 150 \$ 5,046 |
| <i>Specs</i> | 4 | 4 | 4 | | | | | | | | | | | | | 4 | 24 | \$ 50 \$ 3,106 |
| <i>Permits</i> | | | | | | | | | | | | | | | | 0 | | \$ - |
| <i>Mercer County Soil Conservation District</i> | 1 | 2 | | | | | 2 | | | | | | | | | 2 | 17 | \$ 35 \$ 2,248 |
| <i>Mercer County Road Opening</i> | 8 | 10 | | | | | 10 | | | | | | | | | 8 | 108 | \$ 35 \$ 14,315 |
| <i>BWSF Distribution Improvements</i> | 2 | 8 | 8 | | | | | 32 | | | | | | | | 8 | 66 | \$ 50 \$ 8,664 |
| <i>BWSF PRV Chamber</i> | 2 | 8 | 8 | | | | | 32 | | | | | | | | 8 | 66 | \$ 50 \$ 8,664 |
| <i>D&R Canal</i> | 1 | 2 | 4 | | | | | 8 | | | | | | | | 2 | 19 | \$ 35 \$ 2,600 |
| <i>I-Bank Support</i> | 2 | 20 | 8 | | | | | 20 | | | | | | | | 4 | 58 | \$ 1,270 \$ 9,600 |
| <i>EDD Final Report</i> | 2 | 8 | 8 | | | | | 16 | | | | | | | | 8 | 82 | \$ 40 \$ 11,534 |
| <i>SED Report Procurement</i> | 1 | 1 | | | | | | 8 | | | | | | | | 1 | 13 | \$ 35 \$ 1,716 |
| <i>SED Report Water Distribution System Construction</i> | 1 | 1 | | | | | | 8 | | | | | | | | 1 | 13 | \$ 35 \$ 1,716 |
| <i>Bid Schedule Procurement</i> | | | | | | | | 1 | | | | | | | | 1 | 6 | \$ 25 \$ 753 |
| <i>Bid Schedule Water Distribution System Construction</i> | | | | | | | | 1 | | | | | | | | 1 | 6 | \$ 25 \$ 753 |
| <i>Authorization to Award Procurement</i> | | | | | | | | 4 | | | | | | | | 3 | 19 | \$ 88 \$ 2,558 |
| <i>Authorization to Award Water Distribution System Construction</i> | | | | | | | | 4 | | | | | | | | 3 | 19 | \$ 88 \$ 2,558 |
| Project 1: Distribution Improvements - Task 1 - Design/Permitting Services | 166 | 373 | 212 | 12 | 562 | 954 | 16 | 8 | 8 | 236 | 0 | 0 | 77 | 218 | 2842 | \$ 7,866 | \$ 392,110 | |
| Project 1: Distribution Improvements - Task 2 - Bid Services | | | | | | | | | | | | | | | | | | |
| Procurement for Transmission Mains and Fitting | | | | | | | | | | | | | | | | | | |
| <i>Provide Bid Documents</i> | | | | | | | | | | | | | | | | 8 | 20 | \$ 2,040 |
| <i>Pre-Bid Meeting</i> | | | | | | | | | | | | | | | | 20 | | \$ 3,152 |
| <i>Addendum</i> | 1 | 2 | 2 | | | | | 4 | | | | | | | | 3 | 15 | \$ 1,920 |
| <i>Bid Report</i> | 1 | 2 | 2 | | | | | 8 | | | | | | | | 1 | 16 | \$ 2,173 |
| Water Distribution System Construction | | | | | | | | | | | | | | | | | | |
| <i>Provide Bid Documents</i> | | | | | | | | | | | | | | | | 8 | 20 | \$ 2,040 |
| <i>Pre-Bid Meeting</i> | | | | | | | | | | | | | | | | 20 | | \$ 3,152 |
| <i>Addendum</i> | 1 | 2 | 2 | | | | | 4 | | | | | | | | 3 | 15 | \$ 1,920 |
| <i>Bid Report</i> | 1 | 2 | 2 | | | | | 8 | | | | | | | | 1 | 16 | \$ 2,173 |
| PRV Chamber Construction | | | | | | | | | | | | | | | | | | |
| <i>Provide Bid Documents</i> | | | | | | | | | | | | | | | | 8 | 20 | \$ 2,040 |
| <i>Pre-Bid Meeting</i> | | | | | | | | | | | | | | | | 20 | | \$ 3,152 |
| <i>Addendum</i> | 1 | 2 | 2 | | | | | 4 | | | | | | | | 3 | 15 | \$ 1,920 |
| <i>Bid Report</i> | 1 | 2 | 2 | | | | | 8 | | | | | | | | 1 | 16 | \$ 2,173 |
| Project 1: Distribution Improvements - Task 2 - Bid Services | 6 | 36 | 36 | 0 | 0 | 60 | 0 | 0 | 0 | 39 | 0 | 0 | 0 | 36 | 213 | \$ - | \$ 27,855 | |
| Project 1: Distribution Improvements - Task 3A.1 - Construction Phase Services Water Distribution System | | | | | | | | | | | | | | | | | | |
| Water Distribution System Construction | | | | | | | | | | | | | | | | | | |
| Construction Administration | | | | | | | | | | | | | | | | 0 | | \$ - |
| <i>Project Setup</i> | | | | | | | | | | | | | | | | 8 | 8 | \$ 1,344 |
| <i>Pre-Construction Meeting</i> | 6 | 12 | | | | | | | | | | | | | | 8 | 30 | \$ 260 \$ 4,362 |
| <i>Notice To Proceed</i> | 2 | 2 | | | | | | | | | | | | | | 4 | 12 | \$ 50 \$ 1,500 |

PROPOSAL FEE BREAKDOWN

Suburban

| Phase Description | FSC/PD | PM | Br. Pres. Licenced Professional | Licensed Professional | Br. Designer/Br. Survey Analyst | Designer/Survey Analyst | Br. Env. Planner | Environmental | Br. Proj. Mgr. Analyst | Proj. Administrator | Br. Inspector | Inspector | Technician | Admin. | Total Hrs | Expense | Total \$ | |
|--|--------|----|---------------------------------------|--------------------------|------------------------------------|----------------------------|------------------|---------------|---------------------------|------------------------|---------------|-----------|------------|--------|-----------|---------|-----------|------------|
| <i>Shop Drawings (Assume 30)</i> | | 2 | 30 | 30 | 30 | 60 | | | | 30 | | | | 30 | 212 | | \$ 28,10 | |
| <i>RFIs (Assume 4)</i> | | 4 | 8 | 16 | 16 | 16 | | | | 4 | | | | 8 | 72 | | \$ 10,08 | |
| <i>Payment Applications (7 Months)</i> | | 5 | 21 | | | | | | | 7 | | | | 14 | 47 | \$ 210 | \$ 6,42 | |
| <i>Monthly Progress Reports (7 Months)</i> | | 5 | 21 | | | | | | | 14 | | | | 14 | 54 | \$ 177 | \$ 7,21 | |
| <i>Monthly Progress Meetings (7 Months)</i> | | 14 | 21 | 7 | 7 | | | | | 7 | | | | 14 | 70 | \$ 420 | \$ 10,34 | |
| <i>Change Orders (8)</i> | | 8 | 40 | 32 | 32 | | | | | 16 | | | | 16 | 144 | \$ 100 | \$ 21,15 | |
| <i>Communications with Contractor and Owner</i> | | 3 | 8 | | | | | | | 30 | | | | 30 | 71 | | \$ 7,55 | |
| <i>Communication with NJDEP</i> | | 3 | 8 | | | | | | | 7 | | | | 7 | 25 | \$ 105 | \$ 3,31 | |
| <i>Weekly Contractor Coordination Meeting</i> | | 5 | 30 | 7 | | | | | | 30 | | | | 60 | 132 | \$ 150 | \$ 14,96 | |
| <i>NJDEP File Maintenance</i> | | 8 | | | | | | | | 7 | | | | 7 | 22 | \$ 250 | \$ 2,93 | |
| <i>SED Labor Interviews and Submissions</i> | | 8 | | | | | | | | 7 | | | | 14 | 29 | | \$ 3,15 | |
| <i>Observation</i> | | | | | | | | | | | | | | | 0 | | \$ - | |
| <i>Full-time</i> | | | | | | | | | | 880 | | | | 880 | \$ 1,500 | | \$ 109,74 | |
| <i>Part-Time</i> | | | | | | | | | | 168 | | | | 168 | \$ 504 | | \$ 21,16 | |
| <i>Pre-Construction Meeting</i> | | | | | | | | | | 24 | | | | | | | \$ 2,95 | |
| <i>Notice-To-Proceed</i> | | | | | | | | | | 4 | | | | | 4 | | \$ 49 | |
| <i>Shop Drawings (Assume 30)</i> | | | | | | | | | | 30 | | | | | 30 | | \$ 3,69 | |
| <i>RFIs (Assume 4)</i> | | | | | | | | | | 8 | | | | | 8 | | \$ 98 | |
| <i>Payment Applications (7 Months)</i> | | | | | | | | | | 21 | | | | | 21 | | \$ 2,58 | |
| <i>Monthly Progress Reports (7 Months)</i> | | | | | | | | | | 28 | | | | | 28 | | \$ 3,44 | |
| <i>Monthly Progress Meetings (7 Months)</i> | | | | | | | | | | 14 | | | | | 14 | | \$ 1,72 | |
| <i>Change Orders (8)</i> | | | | | | | | | | 24 | | | | | 24 | | \$ 2,95 | |
| <i>Communications with Contractor and Owner</i> | | | | | | | | | | 60 | | | | | 60 | | \$ 7,38 | |
| <i>Communication with NJDEP</i> | | | | | | | | | | 14 | | | | | 14 | | \$ 1,72 | |
| <i>Weekly Contractor Coordination Meeting</i> | | | | | | | | | | 60 | | | | | 60 | | \$ 7,38 | |
| <i>NJDEP File Maintenance</i> | | | | | | | | | | 14 | | | | | 14 | | \$ 1,72 | |
| <i>SED Labor Interviews and Submissions</i> | | | | | | | | | | 14 | | | | | 14 | | \$ 2,06 | |
| <i>Commence Operations</i> | | | | | | | | | | 168 | | | | | 168 | | \$ 20,66 | |
| <i>As-Builts (50Sheets)</i> | | | | | | | | | | 50 | | | | | 50 | | \$ 6,15 | |
| <i>Commence Operations</i> | | | | | | | | | | 0 | | | | | 0 | | \$ - | |
| <i>Engineer Witness and Inspection</i> | | 8 | 16 | 24 | | | | | | 48 | | | | | 48 | \$ 300 | \$ 8,27 | |
| <i>Project Closeout</i> | | | | | | | | | | 0 | | | | | 0 | | \$ - | |
| <i>As-Builts (Assume 50 Sheets)</i> | | 5 | 12 | 25 | | 150 | | | | | 50 | | | | 50 | 242 | \$ 175 | \$ 30,91 |
| <i>One-Year Anniversary Performance Record Certification</i> | | 2 | 8 | 4 | | | | | | 2 | | | | | 2 | 18 | \$ 50 | \$ 2,77 |
| Project 1: Distribution Improvements - Task 3A.1 - Construction Phase Services Water Dist. System | | 72 | 261 | 145 | 85 | 150 | 76 | 0 | 0 | 0 | 169 | 1581 | 0 | 0 | 278 | 2817 | \$ 4,251 | \$ 361,95 |
| Project 1: Distribution Improvements - Task 3A.2 - Construction Phase Services PRV Chambers | | | | | | | | | | | | | | | 0 | | \$ - | |
| <i>Construction Administration</i> | | | | | | | | | | | | | | | 0 | | \$ - | |
| <i>Project Setup</i> | | | | | | | | | | 8 | | | | | 8 | | \$ 1,34 | |
| <i>Notice-To-Proceed</i> | | | | | | | | | | 2 | | | | | 4 | 12 | \$ 50 | \$ 1,500 |
| <i>Shop Drawings (Assume 30)</i> | | | | | | | | | | 2 | | | | | 30 | 212 | | \$ 28,10 |
| <i>RFIs (Assume 2)</i> | | | | | | | | | | 4 | | | | | 8 | 64 | | \$ 8,74 |
| <i>Payment Applications (6)</i> | | | | | | | | | | 6 | | | | | 18 | 51 | \$ 270 | \$ 6,675 |
| <i>Monthly Progress Reports (6)</i> | | | | | | | | | | 6 | | | | | 18 | 60 | \$ 228 | \$ 7,740 |
| <i>Monthly Progress Meetings (6)</i> | | | | | | | | | | 19 | 18 | 9 | 9 | | 18 | 82 | \$ 540 | \$ 12,910 |
| <i>Change Orders (1)</i> | | | | | | | | | | 4 | 16 | 16 | 16 | | 9 | 70 | \$ 100 | \$ 10,167 |
| <i>Communications with Contractor and Owner</i> | | | | | | | | | | 10 | 36 | 36 | 18 | | 36 | 99 | | \$ 11,052 |
| <i>Weekly Contractor Coordination Meeting</i> | | | | | | | | | | | | | | | 72 | 190 | \$ 540 | \$ 23,494 |
| <i>Observation</i> | | | | | | | | | | | | | | | 0 | | \$ - | |
| <i>Full-time</i> | | | | | | | | | | | | | | | 360 | | \$ 45,000 | |
| <i>Part-Time</i> | | | | | | | | | | | | | | | 240 | | \$ 30,240 | |
| <i>Pre-Construction Meeting</i> | | | | | | | | | | | | | | | 6 | | \$ 738 | |
| <i>Notice-To-Proceed</i> | | | | | | | | | | | | | | | 2 | | \$ 246 | |
| <i>Shop Drawings (Assume 30)</i> | | | | | | | | | | | | | | | 30 | | \$ 3,690 | |
| <i>RFIs (Assume 4)</i> | | | | | | | | | | | | | | | 8 | | \$ 984 | |
| <i>Payment Applications (9 Months)</i> | | | | | | | | | | | | | | | 27 | | \$ 3,321 | |
| <i>Monthly Progress Reports (9 Months)</i> | | | | | | | | | | | | | | | 36 | | \$ 4,428 | |
| <i>Monthly Progress Meetings (9 Months)</i> | | | | | | | | | | | | | | | 18 | | \$ 2,214 | |
| <i>Change Orders (4)</i> | | | | | | | | | | | | | | | 12 | | \$ 4,476 | |
| <i>Communications with Contractor and Owner</i> | | | | | | | | | | | | | | | 36 | | \$ 4,428 | |
| <i>Weekly Contractor Coordination Meeting</i> | | | | | | | | | | | | | | | 72 | | \$ 8,856 | |
| <i>Commence Operations</i> | | | | | | | | | | | | | | | 168 | | \$ 20,664 | |
| <i>As-Builts (50Sheets)</i> | | | | | | | | | | | | | | | 50 | | \$ 6,150 | |
| <i>Commence Operations</i> | | | | | | | | | | | | | | | 0 | | \$ - | |
| <i>Engineer Witness and Inspection</i> | | 8 | 24 | 42 | | | | | | | | | | | 74 | 480 | | \$ 12,716 |
| <i>Project Closeout</i> | | | | | | | | | | | | | | | 0 | | \$ - | |
| <i>As-Builts (50 Sheets)</i> | | 5 | 10 | 25 | | 150 | | | | | | | | | 50 | 240 | \$ 517 | \$ 30,922 |
| <i>One-Year Anniversary Performance Record Certification</i> | | 2 | 8 | 4 | | | | | | | | | | | 2 | 18 | \$ 50 | \$ 2,774 |
| Project 1: Distribution Improvements - Task 3A.2 - Construction Phase Services PRV Chambers | | 68 | 197 | 178 | 89 | 150 | 76 | 0 | 0 | 0 | 157 | 1065 | 0 | 0 | 265 | 2245 | \$ 4,215 | \$ 289,673 |

PROPOSAL FEE BREAKDOWN

Suburban

| PHASE DESCRIPTION | PCPO | PM | Sr. Proj. Manager | Liaison Professional | Sr. Designer/ Sr. Survey Analyst | Designer/Survey Analyst | Sr. Environmental | Environmental | Sr. Proj. Ctr. Analyst | Proj. Administrator | Sr. Inspector | Inspector | Technician | Admin. | STAFFING | | Total Hrs | Expenses | Total \$ | |
|--|------|-----------|-------------------|----------------------|----------------------------------|-------------------------|-------------------|---------------|------------------------|---------------------|---------------|------------|------------|----------|-------------|----------|--------------|--------------|------------|--|
| | | | | | | | | | | | | | | | Stakeholder | Hours | | | | |
| RFIs (Assume 2) | | 2 | 4 | 4 | | | 8 | | | | 2 | | | | 4 | 24 | | \$ 3,212 | | |
| Payment Applications (Assume 3) | | 3 | 6 | | | | 9 | | | | 6 | | | | 6 | 30 | \$ 90 | \$ 3,921 | | |
| Monthly Progress Reports (Assume 3) | | 3 | 6 | 3 | | | | | | | 6 | | | | 12 | 30 | \$ 76 | \$ 3,649 | | |
| Monthly Progress Meetings (Assume 3) | | 3 | 6 | 3 | | | | | | | 6 | | | | 12 | 30 | \$ 180 | \$ 3,753 | | |
| Change Orders (1) | | 1 | 3 | 2 | | | | | | | 2 | | | | 4 | 12 | \$ 100 | \$ 1,621 | | |
| Communications with Contractor and Owner | | 3 | 9 | | | | | | | | 9 | | | | 9 | 30 | | \$ 3,756 | | |
| Communication with NJDEP | | 3 | 6 | | | 6 | | | | | 3 | | | | 9 | 27 | \$ 45 | \$ 3,327 | | |
| NJDEP File Maintenance | | 3 | 4 | | | 16 | | | | | 8 | | | | 16 | 44 | \$ 250 | \$ 5,042 | | |
| Project 1: Distribution Improvements - Task 3A.3 -Construction Phase Services Pipe And Fitting Procurement | 22 | 69 | 27 | 0 | 0 | 84 | 0 | 0 | 0 | 61 | 0 | 0 | 0 | 91 | 354 | \$ 791 | \$ 45,050 | | | |
| Project 1: Storage Tanks - Task 3B - Construction Phase Services Prospect Street Water Storage Tanks Project | | | | | | | | | | | | | | | | | | | | |
| Construction Administration | | | | | | | | | | | | | | | | 0 | | | | |
| Pre-Construction Meeting | | 6 | 12 | | | | | | | | 4 | | | | 8 | 30 | \$ 260 | \$ 4,362 | | |
| Notice-To-Proceed | | 2 | 2 | | | | | | | | 4 | | | | 4 | 12 | \$ 50 | \$ 1,500 | | |
| Shop Drawings (Assumed 40 Shop Drawing and 25 Materials Tests) | | 9 | 40 | 130 | | 130 | | | | | 40 | | | | 65 | 414 | | \$ 55,335 | | |
| RFIs (Assumed 5) | | 5 | 10 | 40 | | | | | | | 5 | | | | 5 | 65 | | \$ 9,990 | | |
| Payment Applications (33 Months) | | 26 | 99 | | | | | | | | 66 | | | | 33 | 224 | \$ 875 | \$ 32,419 | | |
| Monthly Progress Reports (33 Months) | | 33 | 99 | | | | | | | | 66 | | | | 33 | 231 | \$ 875 | \$ 33,644 | | |
| Monthly Progress Meetings (33 Months) | | 66 | 99 | 66 | | | | | | | 66 | | | | 33 | 330 | \$ 2,100 | \$ 51,376 | | |
| Change Orders (Assumed 5) | | 5 | 20 | 42 | | | | | | | 5 | | | | 5 | 77 | \$ 100 | \$ 12,094 | | |
| Communications with Contractor and Owner | | 8 | 40 | | | | | | | | 10 | | | | 15 | 73 | | \$ 10,370 | | |
| Communication with NJDEP | | 8 | 40 | | | | | | | | 10 | | | | 15 | 73 | \$ 525 | \$ 10,895 | | |
| Weekly Contractor Coordination Meeting | | 10 | 120 | 33 | | | | | | | 10 | | | | 66 | 239 | \$ 715 | \$ 33,689 | | |
| NJDEP File Maintenance | | | 20 | | | | | | | | 35 | | | | 55 | 250 | \$ 7915 | | | |
| SED Labor Interviews and Submissions | | | 20 | | | | | | | | 33 | | | | 66 | 119 | | \$ 11,907 | | |
| Observation | | | | | | | | | | | | | | | 0 | | | | | |
| Full-time | | | | | | | | | | | | | | | 4704 | | \$ 1,980 | \$ 533,532 | | |
| Part-Time | | | | | | | | | | | | | | | 302 | | \$ 906 | \$ 35,032 | | |
| Pre-Construction Meeting | | | | | | | | | | | | | | | 8 | 16 | | \$ 2,792 | | |
| Notice-To-Proceed | | | | | | | | | | | | | | | 4 | | | \$ 452 | | |
| Shop Drawings (Assumed 40 Shop Drawing and 25 Materials Tests) | | | | | | | | | | | | | | | 40 | | | \$ 4,520 | | |
| RFIs (Assumed 5) | | | | | | | | | | | | | | | 5 | | | \$ 565 | | |
| Payment Applications (33 Months) | | | | | | | | | | | | | | | 99 | 165 | | \$ 30,822 | | |
| Monthly Progress Reports (33 Months) | | | | | | | | | | | | | | | 99 | 165 | | \$ 18,645 | | |
| Monthly Progress Meetings (33 Months) | | | | | | | | | | | | | | | 99 | 165 | | \$ 30,822 | | |
| Change Orders (Assumed 5) | | | | | | | | | | | | | | | 20 | | | \$ 2,260 | | |
| Communications with Contractor and Owner | | | | | | | | | | | | | | | 33 | 66 | | \$ 11,517 | | |
| Communication with NJDEP | | | | | | | | | | | | | | | 33 | 66 | | \$ 11,517 | | |
| Weekly Contractor Coordination Meeting | | | | | | | | | | | | | | | 150 | 150 | | \$ 35,400 | | |
| NJDEP File Maintenance | | | | | | | | | | | | | | | 35 | 75 | | \$ 12,780 | | |
| SED Labor Interviews and Submissions | | | | | | | | | | | | | | | 66 | 66 | | \$ 7,458 | | |
| Commence Operations | | | | | | | | | | | | | | | 20 | 160 | | \$ 20,540 | | |
| Project Closeout | | | | | | | | | | | | | | | 30 | 172 | | \$ 23,126 | | |
| As-Builts (41 Sheets) | | | | | | | | | | | | | | | 40 | | | \$ 4,520 | | |
| Commence Operations | | | | | | | | | | | | | | | 0 | | | \$ - | | |
| Engineer Witness and Inspection | | 8 | 40 | 100 | | | | | | | 10 | | | | 10 | 168 | \$ 600 | \$ 26,830 | | |
| Project Closeout | | | | | | | | | | | | | | | 0 | | | \$ - | | |
| As-Builts (41 Sheets) | | 2 | 41 | 82 | | 160 | | | | | 10 | | | | 8 | 303 | \$ 517 | \$ 44,573 | | |
| One-Year Anniversary, Performance Record Certification | | 2 | 8 | 4 | | | | | | | 2 | | | | 2 | 18 | \$ 50 | \$ 2,774 | | |
| Project 1: Storage Tanks - Task 3B - Construction Phase Services | 190 | 710 | 497 | 0 | 160 | 130 | 0 | 0 | 0 | 376 | 507 | 6381 | 0 | 368 | 9319 | \$ 9,803 | \$ 1,135,933 | | | |
| Project 1: Distribution Improvements - Task 4 - TWW Operational Materials and Support | | | | | | | | | | | | | | | | | | | | |
| Revise Emergency Response Plan | | 2 | 14 | 10 | 30 | | 40 | | | | 16 | | | | 8 | 120 | \$ 125 | \$ 16,519 | | |
| Standard Operating Procedures (5) | | 2 | 14 | 40 | 100 | | 120 | | | | 16 | | | | 16 | 308 | \$ 150 | \$ 42,548 | | |
| ERP Training (6 sessions @ 2 hrs) | | | 14 | 48 | 24 | | 24 | | | | 16 | | | | 8 | 134 | \$ 215 | \$ 19,479 | | |
| Project 1: Distribution Improvements - Task 4 - TWW Operational Materials and Support | | 4 | 42 | 98 | 154 | 0 | 184 | 0 | 0 | 0 | 48 | 0 | 0 | 0 | 32 | 562 | \$ 490 | \$ 78,546 | | |
| Project 1: Distribution Improvements - Task 5 - Allowance | | | | | | | | | | | | | | | 0 | | \$ 120,000 | \$ 120,000 | | |
| Project 1: Distribution Improvements - Task 5 - Allowance | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | \$ 120,000 | \$ 120,000 | |
| Total Hours | | 528 | 1688 | 1193 | 340 | 1022 | 1564 | 16 | 8 | 8 | 1086 | 3153 | 6381 | 77 | 1288 | 18352 | \$ 147,415 | \$ 2,450,218 | | |
| Fee Structures | | 175 | 168 | 162 | 148 | 136 | 128 | 166.5 | 128 | 155 | 123 | 123 | 113 | 118 | 68 | | | | | |
| Total | | \$ 92,400 | \$ 283,584 | \$ 193,266 | \$ 50,320 | \$ 138,992 | \$ 200,192 | \$ 2,664 | \$ 1,024 | \$ 1,240 | \$ 133,578 | \$ 387,819 | \$ 721,053 | \$ 9,086 | \$ 87,584 | | CHECK | \$ 2,450,218 | | |


ENVIRONMENTAL RESOLUTIONS, INC.
COST PROPOSAL
CC2022-03
**ENGINEERING SERVICES FOR DISTRIBUTION SYSTEM IMPROVEMENTS TO TRENTON WATER WORKS
SYSTEM AS PART OF PHASE 1 -
PENNINGTON REPLACEMENT PROJECT FOR A PERIOD OF FOUR (4) YEARS**
CITY OF TRENTON, NJ
Tuesday, December 13, 2022
PROPOSAL SUMMARY SHEET
**PROJECT #1: CONSTRUCTION ENGINEERING SERVICES FOR THE INSTALLATION OF STORAGE TANKS AT
942 PROSPECT STREET**
Total Cost for Labor and Expenses, Project #1 (iBANK FUNDS): \$ 1,632,920.00
**Fees based on 640 calendar days for the construction contract plus 60 days for project closeout activities*
PROJECT #2: DESIGN, BIDDING & CONSTRUCTION PHASE ENGINEERING SERVICES FOR PHASE 1 OFF-SITE WATER DISTRIBUTION SYSTEM IMPROVEMENTS (iBANK FUNDS)
Total Cost for Labor and Expenses, Project #2 (iBANK FUNDS) \$ 1,000,695.00
**Fees based on 210 calendar days for the design, permitting and bidding portion of the project, 245 calendar days for the construction contract plus 60 days for project closeout activities.*
**PROJECT #2: DESIGN, BIDDING & CONSTRUCTION PHASE ENGINEERING SERVICES FOR PHASE 1
OFF-SITE WATER DISTRIBUTION SYSTEM IMPROVEMENTS (CAPITAL FUNDED)**
Total Cost for Labor and Expenses, Project #2 (CAPITAL FUNDS) \$ 685,750.00
** Fees as shown represent number of man hours required based on 60 days for design and bidding with 80 days for construction completion plus 60 days for project closeout activities.*
TOTAL COSTS FOR PROJECT #1 AND PROJECT #2: \$ 3,319,365.00

ENVIRONMENTAL RESOLUTIONS, INC.

CC2022-03

ENGINEERING SERVICES FOR DISTRIBUTION SYSTEM IMPROVEMENTS TO TRENTON WATER WORKS SYSTEM AS PART OF PHASE 1 -
PENNINGTON REPLACEMENT PROJECT FOR A PERIOD OF FOUR (4) YEARS

CITY OF TRENTON, NJ

Tuesday, December 13, 2022

PENNINGTON RESERVOIR REPLACEMENT PROJECT : PHASE 1

| | Principal Officer | Project Managers/ Engineers | Engineering Associates | Construction Management and Oberservation | Total Hours for Task | Total \$/Task |
|---|-----------------------------------|--|---|---|----------------------|-----------------------|
| PROJECT 1C: CMCI FOR INSTALLATION OF TWO (2) NEW STORAGE TANKS AT 942 PROSPECT STREET | William H. Kirchner, PE, CME, N-2 | Jennifer Harris, PE Karen Hermack, PE | Eric Pluckhon, EIT Katherine Villacis, EIT | John Potts, NICET III John Scott, NICET III Andrew Pisarcik | | |
| | \$180.00 | \$155.00 | \$120.00 | \$115.00 | | |
| Loan Administration/Management | 200 | 250 | 250 | 0 | 700 | \$ 104,750.00 |
| Progress Reporting | 0 | 304 | 0 | 423 | 727 | \$ 95,765.00 |
| Meetings & Site Visits | 128 | 212 | 162 | 156 | 658 | \$ 93,280.00 |
| Project Oversight | 152 | 2157 | 998 | 610 | 3917 | \$ 551,605.00 |
| Construction Inspection Tasks | 16 | 16 | 16 | 6776 | 6824 | \$ 786,520.00 |
| TOTAL HOURS FOR LABOR | 496 | 2939 | 1426 | 7965 | 12826 | |
| TOTAL LABOR COSTS PROJECT #1 | \$89,280.00 | \$455,545.00 | \$171,120.00 | \$915,975.00 | | \$1,631,920.00 |

| SUMMARY | |
|--|------------------------|
| Mileage | \$1,000.00 |
| Total Labor Costs from Above | \$1,631,920.00 |
| TOTAL PROJECT COST FOR PROJECT 1: | \$ 1,632,920.00 |

* Fees as shown represent number of man hours required for construction based on 674 calendar days for construction completion plus 44 days for project closeout activities.

ENVIRONMENTAL RESOLUTIONS, INC.

CC2023-03

ENGINEERING SERVICES FOR DISTRIBUTION SYSTEM IMPROVEMENTS TO TRENTON WATER WORKS SYSTEM AS PART OF PHASE 1 - PENNINGTON REPLACEMENT PROJECT FOR A PERIOD OF FOUR (4) YEARS

CITY OF TRENTON, NJ

Tuesday, December 13, 2022

PENNINGTON RESERVOIR REPLACEMENT PROJECT : PHASE 1

| | Principal Engineer & QA/QC Professional | Project Engineers | Engineering Associates | Construction Management and Observation | Licensed Surveyor | Robotic Field Crew | Drafter | Structural Engineer | Total Hours for Task | Total \$/Task |
|---|--|---|--|---|---------------------|--------------------|--------------------|---------------------|----------------------|---------------------|
| PROJECT 1D: OFF-SITE WATER DISTRIBUTION SYSTEM IMPROVEMENTS - PIPING | William H. Kirchner, PE, CME, N-2 Karen Hermack, PE | Jenifer Harris, PE Eric Pluckhon, EIT Katherine Villaci, EIT Andrew Pisarcik | John Potts, NICET III John Scott, NICET III | John Dura, PLS | Ethan Hyder, CST II | David Hudson | Martin Dragau, PE | | | |
| | \$180.00 | \$155.00 | \$120.00 | \$115.00 | \$165.00 | \$160.00 | \$120.00 | \$165.00 | | |
| TASK 1 - DESIGN/PERMITTING SERVICES | | | | | | | | | | |
| a. Data Collection and Document Review | 42 | 104 | 182 | 2 | 20 | 130 | 0 | 0 | 480 | \$ 69,850.00 |
| b. Design Memorandum | 18 | 50 | 120 | 0 | 0 | 0 | 0 | 0 | 188 | \$ 25,390.00 |
| c. Plans and Specifications | 230 | 351 | 280 | 28 | 0 | 0 | 424 | 64 | 1377 | \$ 194,065.00 |
| d. Permitting | 20 | 60 | 70 | 0 | 0 | 0 | 0 | 0 | 150 | \$ 21,300.00 |
| e. NJ iBank Application and Support | 96 | 240 | 104 | 0 | 0 | 0 | 0 | 0 | 440 | \$ 66,960.00 |
| f. Design Meetings | 12 | 24 | 12 | 0 | 0 | 0 | 0 | 0 | 48 | \$ 7,320.00 |
| TOTAL HOURS TASK 1 | 418 | 829 | 758 | 30 | 20 | 130 | 424 | 64 | 7,683 | |
| TOTAL LABOR COSTS TASK 1 | \$75,240.00 | \$128,495.00 | \$92,160.00 | \$3,450.00 | \$3,300.00 | \$20,000.00 | \$50,680.00 | \$10,560.00 | | \$384,885.00 |
| TASK 2 - BID SERVICES | | | | | | | | | | |
| a. Provide Services during Bid Period | 0 | 12 | 48 | 0 | 0 | 0 | 0 | 0 | 60 | \$ 7,620.00 |
| b. Provide Services during Bid Period | 4 | 8 | 4 | 0 | 0 | 0 | 0 | 0 | 16 | \$ 2,440.00 |
| c. Provide Services during Bid Period | 4 | 16 | 4 | 4 | 0 | 0 | 0 | 0 | 28 | \$ 4,140.00 |
| d. Provide Services during Bid Period | 8 | 32 | 16 | 0 | 0 | 0 | 0 | 0 | 56 | \$ 8,320.00 |
| e. Provide Services during Bid Period | 4 | 4 | 8 | 0 | 0 | 0 | 0 | 0 | 16 | \$ 2,300.00 |
| TOTAL HOURS TASK 2 | 20 | 72 | 80 | 4 | 0 | 0 | 0 | 0 | 176 | |
| TOTAL LABOR COSTS TASK 2 | \$3,600.00 | \$11,160.00 | \$9,600.00 | \$460.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | | \$24,020.00 |
| TASK 3 - CONSTRUCTION PHASE ENGINEERING SERVICES | | | | | | | | | | |
| a. Construction Management Services | 233 | 1024 | 693 | 396 | 14 | 27 | 0 | 0 | 2387 | \$ 335,990.00 |
| b. Meeting and Site Visits | 34 | 236 | 42 | 86 | 0 | 0 | 0 | 0 | 398 | \$ 57,630.00 |
| c. Construction Inspection Tasks | 14 | 27 | 54 | 1400 | 5 | 30 | 21 | 0 | 1551 | \$ 182,330.00 |
| d. e. Deliverables | 8 | 8 | 64 | 32 | 0 | 0 | 0 | 0 | 112 | \$ 14,040.00 |
| TOTAL HOURS TASK 3 | 289 | 1295 | 853 | 1914 | 19 | 57 | 21 | 0 | 4448 | |
| TOTAL LABOR COSTS TASK 3 | \$52,020.00 | \$200,725.00 | \$102,360.00 | \$220,110.00 | \$3,135.00 | \$9,120.00 | \$2,520.00 | \$0.00 | | \$581,460.00 |
| TOTAL HOURS PROJECT #2 - IBANK FUNDED | 727 | 2196 | 1701 | 1948 | 39 | 187 | 445 | 64 | 7307 | |
| TOTAL LABOR COSTS PROJECT #2 - IBANK FUNDED | \$130,860.00 | \$340,380.00 | \$204,120.00 | \$224,020.00 | \$6,435.00 | \$29,920.00 | \$33,400.00 | \$10,560.00 | | \$999,695.00 |

| SUMMARY | |
|---|------------------------|
| Mileage | \$1,000.00 |
| Total Labor Costs from Above | \$999,695.00 |
| TOTAL PROJECT COST FOR PROJECT #2: | \$ 1,000,695.00 |

* Fees as shown represent number of man hours required based on 541 days for design, permitting, bidding and construction completion plus 44 days for project closeout activities.

ENVIRONMENTAL RESOLUTIONS, INC.

CC2022-03

ENGINEERING SERVICES FOR DISTRIBUTION SYSTEM IMPROVEMENTS TO TRENTON WATER WORKS SYSTEM AS PART OF PHASE 1 -
PENNINGTON REPLACEMENT PROJECT FOR A PERIOD OF FOUR (4) YEARS

CITY OF TRENTON, NJ

Tuesday, December 13, 2022

PENNINGTON RESERVOIR REPLACEMENT PROJECT : PHASE 1

| | Principal Engineer & QA/QC Professional | Project Engineers | Engineering Assistants | Construction Management and Observation | Licensed Surveyor | Robotic Field Crew | Drafter | Structural Engineer | Total Hours for Task | Total \$/Task |
|---|---|--|--|---|-------------------|---------------------|--------------------|---------------------|----------------------|---------------------|
| PROJECT ID: OFF-SITE WATER DISTRIBUTION SYSTEM IMPROVEMENTS - PRESSURE REDUCING VALVES | William H. Kirchner, PE, CME, N-2 | Jennifer Harris, PE Karen Hermack, PE | Eric Plukhach, EIT Katherine Villaci, EIT | John Potts, NICET III John Scott, NICET III Andrew Pisarcik | John Dura, PLS | Ethan Hyder, CST II | David Hudson | Martin Dragan, PE | | |
| | \$180.00 | \$155.00 | \$120.00 | \$115.00 | \$165.00 | \$160.00 | \$120.00 | \$165.00 | | |
| TASK 1 - DESIGN/PERMITTING SERVICES | | | | | | | | | | |
| a. Data Collection and Document Review | 42 | 104 | 182 | 2 | 20 | 235 | 0 | 0 | 585 | \$ 86,650.00 |
| b. Design Memorandum | 18 | 50 | 120 | 0 | 0 | 0 | 0 | 0 | 188 | \$ 25,390.00 |
| c. Plans and Specifications | 204 | 332 | 288 | 28 | 0 | 0 | 452 | 72 | 1376 | \$ 192,080.00 |
| d. Permitting | 20 | 50 | 70 | 0 | 0 | 0 | 0 | 0 | 140 | \$ 19,750.00 |
| e. NJ iBank Application and Support | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$ - |
| f. Design Meetings | 12 | 24 | 12 | 0 | 0 | 0 | 0 | 0 | 48 | \$ 7,320.00 |
| TOTAL HOURS TASK 1 | 296 | 560 | 672 | 30 | 20 | 235 | 452 | 72 | 2,337 | |
| TOTAL LABOR COSTS TASK 1 | \$53,380.00 | \$86,000.00 | \$80,640.00 | \$3,450.00 | \$3,300.00 | \$37,600.00 | \$54,240.00 | \$11,880.00 | | \$331,190.00 |
| TASK 2 - BID SERVICES | | | | | | | | | | |
| a. Provide Services during Bid Period | 0 | 12 | 48 | 0 | 0 | 0 | 0 | 0 | 60 | \$ 7,620.00 |
| b. Provide Services during Bid Period | 4 | 8 | 4 | 0 | 0 | 0 | 0 | 0 | 16 | \$ 2,440.00 |
| c. Provide Services during Bid Period | 4 | 16 | 4 | 4 | 0 | 0 | 0 | 0 | 28 | \$ 4,140.00 |
| d. Provide Services during Bid Period | 8 | 32 | 16 | 0 | 0 | 0 | 0 | 0 | 56 | \$ 8,320.00 |
| e. Provide Services during Bid Period | 4 | 4 | 8 | 0 | 0 | 0 | 0 | 0 | 16 | \$ 2,300.00 |
| TOTAL HOURS TASK 2 | 20 | 72 | 90 | 4 | 0 | 0 | 0 | 0 | 176 | |
| TOTAL LABOR COSTS TASK 2 | \$3,600.00 | \$11,160.00 | \$9,600.00 | \$460.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | | \$24,020.00 |
| TASK 3 - CONSTRUCTION PHASE ENGINEERING SERVICES | | | | | | | | | | |
| a. Construction Management Services | 101 | 488 | 341 | 191 | 6 | 13 | 0 | 0 | 1140 | \$ 159,775.00 |
| b. Meeting and Site Visits | 34 | 192 | 62 | 54 | 0 | 0 | 0 | 0 | 342 | \$ 49,530.00 |
| c. Construction Inspection Tasks | 6 | 13 | 26 | 700 | 4 | 34 | 32 | 0 | 815 | \$ 96,655.00 |
| d. e. Deliverables | 20 | 20 | 88 | 48 | 0 | 0 | 0 | 0 | 176 | \$ 22,780.00 |
| TOTAL HOURS TASK 3 | 161 | 713 | 517 | 993 | 10 | 47 | 32 | 0 | 2473 | |
| TOTAL LABOR COSTS TASK 3 | \$28,980.00 | \$110,515.00 | \$62,040.00 | \$114,195.00 | \$1,650.00 | \$7,520.00 | \$3,840.00 | \$0.00 | | \$581,460.00 |
| TOTAL HOURS PROJECT #2 - IBANK FUNDED | 477 | 1345 | 1269 | 1027 | 30 | 282 | 484 | 72 | 4986 | |
| TOTAL LABOR COSTS PROJECT #2 - IBANK FUNDED | \$85,360.00 | \$208,475.00 | \$152,280.00 | \$118,105.00 | \$4,950.00 | \$45,120.00 | \$58,080.00 | \$11,880.00 | | \$684,750.00 |

SUMMARY

| | |
|---|----------------------|
| Mileage | \$1,000.00 |
| Total Labor Costs from Above | \$684,750.00 |
| TOTAL PROJECT COST FOR PROJECT #2: | \$ 685,750.00 |

* Fees as shown represent number of man hours required based on 270 days for design and bidding with 90 days for construction completion plus 30 days for project closeout activities.

08. Fee Proposal

Below we present Arcadis' proposed fee and a tabular breakdown of labor and expenses for the project.

Fee Table

| | Task | Hours | Hourly Rate | Labor | Subs | Expenses | Total Not-to-Exceed Fee |
|----|--|-------------|------------------|-------------------|------------------|------------------|-------------------------|
| 1 | Design / Permitting (Off-site Distribution Improvements) | 1441 | \$ 129.26 | \$ 186,257 | \$ 13,228 | \$ 288 | \$ 199,772 |
| 2A | Bid Services (Transmission Main & Fittings Procurement) | 37 | \$ 147.83 | \$ 5,470 | \$ - | \$ 440 | \$ 5,910 |
| 2B | Bid Services (Distribution System Improvements) | 57 | \$ 147.28 | \$ 8,395 | \$ - | \$ 1,100 | \$ 9,495 |
| 2C | Bid Services (PRV Stations) | 50 | \$ 135.48 | \$ 6,774 | \$ - | \$ 770 | \$ 7,544 |
| 3A | Construction Admin (Off-site Distribution Improvements) | 461 | \$ 136.18 | \$ 62,777 | \$ - | \$ 2,640 | \$ 65,417 |
| 3B | Construction Admin (Water Storage Tanks) | 3997 | \$ 129.94 | \$ 519,368 | \$ - | \$ 21,450 | \$ 540,818 |
| 4 | Operations Support | 218 | \$ 150.26 | \$ 32,756 | \$ - | \$ 288 | \$ 33,044 |
| | TOTAL | 6261 | \$ 131.26 | \$ 821,797 | \$ 13,228 | \$ 26,976 | \$ 862,000 |

Note: A general allowance of \$120,000 will also be included upon execution of the contract.

Labor Table

| | Task | Principal-in-Charge | Principal Engineer I | Senior Engineer/Scientist II | Senior Engineer/Scientist I | Staff Engineer | Design Tech II | TOTAL |
|----|--|---------------------|----------------------|------------------------------|-----------------------------|----------------|----------------|-------------|
| 1 | Design / Permitting (Off-site Distribution Improvements) | 12 | 243 | 93 | 625 | 0 | 468 | 1441 |
| 2 | Bid Services (Transmission Main & Fittings Procurement) | 0 | 4 | 10 | 19 | 4 | 0 | 37 |
| 2B | Bid Services (Distribution System Improvements) | 0 | 5 | 11 | 36 | 5 | 0 | 57 |
| 2C | Bid Services (PRV Stations) | 0 | 4 | 10 | 0 | 36 | 0 | 50 |
| 3A | Construction Admin (Off-site Distribution Improvements) | 0 | 28 | 66 | 38 | 329 | 0 | 461 |
| 3B | Construction Admin (Water Storage Tanks) | 6 | 148 | 46 | 50 | 3747 | 0 | 3997 |
| 4 | Operations Support | 0 | 15 | 86 | 67 | 50 | 0 | 218 |
| | TOTAL | 18 | 447 | 322 | 835 | 4171 | 468 | 6261 |

Distribution System Imps
Phase I - Pennington Reservoir
Replacement Project
CC2022-03

UNIT PRICE FORM

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Date: 12/9/2022 File: 702.4735

| SCOPE OF SERVICES | TITLE | Senior | Vice President | Assoc/ Sr. Assoc | Senior Managing Engr | Project/ Staff Engineer | Engineer II | Engineer I | RPR | TOTALS PER TASK | | | | | | | |
|---|---------|----------------|----------------|------------------|----------------------|-------------------------|-------------|------------|--------|-----------------|--|-----------|-----|----------|-------|--|--------------------|
| | | Vice-President | | | | | | | | Total Labor | | Allowance | Sub | Expenses | TOTAL | | |
| | RATE/HR | \$ 220 | \$ 220 | \$ 205 | \$ 185 | \$ 138 | \$ 126 | \$ 98 | \$ 110 | | | | | 1.15 | | | |
| Hours | | | | | | | | | | | | | | | | | |
| 1.0 DESIGN/PERMITTING SERVICES (OFF-SITE ONLY) | | | | | | | | | | | | | | | | | \$342,078 |
| 1.a DATA COLLECTION / DOC REVIEW | | | | 8 | 32 | 32 | 40 | 80 | | \$24,856 | | | | \$50,000 | | | \$74,856 |
| 1.b DESIGN MEMORANDUM | | 2 | | 4 | 40 | 60 | 80 | 120 | | \$38,780 | | | | | | | \$38,780 |
| 1.c PLANS/SPECS | | | | | | | | | | | | | | | | | |
| CONTRACT 1 - MAIN AND FITTINGS PROCUREMENT | | | | 10 | | 40 | 80 | 80 | | \$25,490 | | | | | | | \$25,490 |
| CONTRACT 2 - WATER SYSTEM IMPS (PENNINGTON) | | 2 | | 36 | 60 | 120 | 180 | 180 | | \$75,800 | | | | \$200 | | | \$76,000 |
| CONTRACT 3 - PRV STATIONS | | 2 | | 36 | 60 | 120 | 200 | 200 | | \$80,280 | | | | \$400 | | | \$80,680 |
| 1.d PERMITTING | | 2 | | 24 | | | 20 | 80 | | \$15,720 | | | | | | | \$15,720 |
| 1.e NJ WATER BANK APP/SUPPORT | | 4 | 24 | 8 | 8 | | | 60 | | \$15,160 | | | | \$3,500 | | | \$18,660 |
| 1.f DESIGN PHASE MEETINGS | | | | 8 | 24 | 24 | | | | \$9,392 | | | | \$2,500 | | | \$11,892 |
| 2.0 BID SERVICES (OFF-SITE ONLY) | | | | | | | | | | | | | | | | | \$56,350 |
| 2.a PLANS/SPECS REPRO | | | | | | | | | | | | | | | | | |
| CONTRACT 1 - MAIN AND FITTINGS PROCUREMENT | | | | 2 | | 2 | | 12 | | \$1,862 | | | | \$1,500 | | | \$3,362 |
| CONTRACT 2 - WATER SYSTEM IMPS (PENNINGTON) | | | | 2 | | 2 | | 12 | | \$1,862 | | | | \$1,500 | | | \$3,362 |
| CONTRACT 3 - PRV STATIONS | | | | 2 | | 2 | | 12 | | \$1,862 | | | | \$1,500 | | | \$3,362 |
| 2.b BID QUESTIONS | | | | 2 | 4 | | 12 | 24 | | \$5,014 | | | | | | | \$5,014 |
| CONTRACT 1 - MAIN AND FITTINGS PROCUREMENT | | | | 2 | | | | 4 | | \$802 | | | | | | | \$802 |
| CONTRACT 2 - WATER SYSTEM IMPS (PENNINGTON) | | | | 8 | | | | 16 | | \$3,208 | | | | | | | \$3,208 |
| CONTRACT 3 - PRV STATIONS | | | | 8 | | | | 16 | | \$3,208 | | | | | | | \$3,208 |
| 2.c PRE-BID | | | | | | | | | | | | | | | | | |
| CONTRACT 1 - MAIN AND FITTINGS PROCUREMENT | | | | | | | | | | \$0 | | | | | | | \$0 |
| CONTRACT 2 - WATER SYSTEM IMPS (PENNINGTON) | | | | 16 | | | | 32 | | \$6,416 | | | | \$2,500 | | | \$8,916 |
| CONTRACT 3 - PRV STATIONS | | | | 16 | | | | 32 | | \$6,416 | | | | \$2,500 | | | \$8,916 |
| 2.d ADDENDA | | | | 2 | 2 | 4 | 12 | 32 | | \$5,980 | | | | | | | \$5,980 |
| CONTRACT 1 - MAIN AND FITTINGS PROCUREMENT | | | | 2 | | | | 4 | | \$802 | | | | | | | \$802 |
| CONTRACT 2 - WATER SYSTEM IMPS (PENNINGTON) | | | | 4 | | | | 8 | | \$1,604 | | | | | | | \$1,604 |
| CONTRACT 3 - PRV STATIONS | | | | 4 | | | | 8 | | \$1,604 | | | | | | | \$1,604 |
| 2.e BID EVALUATION | | | | 2 | 2 | 2 | 2 | 8 | | \$2,092 | | | | | | | \$2,092 |
| CONTRACT 1 - MAIN AND FITTINGS PROCUREMENT | | | | 2 | | | 4 | 4 | | \$1,266 | | | | | | | \$1,266 |
| CONTRACT 2 - WATER SYSTEM IMPS (PENNINGTON) | | | | 2 | | | 4 | 8 | | \$1,658 | | | | | | | \$1,658 |
| CONTRACT 3 - PRV STATIONS | | | | 2 | | | | 8 | | \$1,194 | | | | | | | \$1,194 |
| 3.0 CONSTRUCTION PHASE SERVICES | | | | | | | | | | | | | | | | | \$1,144,086 |
| 3.a.1 TECHNICAL PROJECT REP (PROSPECT ST. TANKS) | | | | | 324 | | | 900 | | \$148,140 | | | | \$45,000 | | | \$193,140 |
| 3.a.2 TECHNICAL PROJECT REP (PENNINGTON/PRVs) | | | | | 336 | | | 720 | | \$132,720 | | | | \$30,000 | | | \$162,720 |
| 3.b.1 RESIDENT REP (PROSPECT ST. TANKS) | | | | | | | | | 3120 | \$343,200 | | | | \$34,500 | | | \$404,700 |
| 3.b.2 RESIDENT REP (PENNINGTON) | | | | | | | | | 2080 | \$228,800 | | | | \$18,000 | | | \$246,800 |

Distribution System Imps Phase I - Pennington Reservoir Replacement Project CC2022-03

UNIT PRICE FORM

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Date: 12/9/2022