**Town of Middlebury**
**Wastewater Treatment Facilities Improvements**
**Preliminary Engineering Report**

**Tata & Howard, Inc**
**General Services**
**7-Mar-18**

| Description | Project Officer | Project Manager | Senior Engineer | Project Engineer | Senior CAD Technician I | Project Manager | Tech Review | Total Hours | Expenses | Sub Consultant | Total / Task |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SITE DESIGN | GAL | DEXTER | MAL | SMW | CDM | DJC | T&H | | | GEO/SE | |
| 1. WWTF Evaluation | | | | | | | | | | | |
| A. Inventory and review Data | | 32 | | 16 | | | | 48 | 1000 | | 8,480.20 |
| B. Present/Future Basis of design | | 12 | | | | | | 12 | | | 2,067.00 |
| C. Initial site visit | | 8 | | 12 | | | | 20 | | 6000 | 9,454.15 |
| D. I/I Study | | 16 | | 8 | | | | 24 | | | 3,740.10 |
| E. Evaluation of exisitng processes | | | | | | | | | | | |
| 1. Process evaluation | | 88 | | 44 | | | | 132 | | | 20,570.55 |
| 2. BioWiN-Existing | | 16 | | 64 | | | | 80 | 2500 | | 13,128.80 |
| 3. Summary of existing capacities | | 2 | | 8 | | | | 10 | | | 1,328.60 |
| MEETING/PRESENTATION | 6 | 6 | | | | | | 12 | 300 | | 2,562.00 |
| 2. Facilities Planning Study | | | | | | | | | | | |
| A. Evaluate Alts and Costs | | 40 | | 20 | | | | 60 | | | 9,350.25 |
| B. Develop recommendations | | 40 | | 20 | | | | 60 | | | 9,350.25 |
| C. BioWiN-Proposed | | 8 | | 32 | | | | 40 | | | 5,314.40 |
| D. Summary of alternatives | | 2 | | 8 | | | | 10 | | | 1,328.60 |
| MEETING/PRESENTATION | 6 | 6 | | | | | | 12 | 300 | | 2,562.00 |
| 3. Report | | | | | | | | | | | |
| A. Prepare report | 4 | 72 | | 36 | | | | 112 | | 15,000 | 34,149.45 |
| B. Issue draft report | | 16 | | 8 | | | | 24 | | | 3,740.10 |
| C. Issue final report | | 12 | | 8 | | | | 20 | | | 3,051.10 |
| MEETINGS/PRESENTATIONS (2) | 12 | 12 | | | | | | 24 | 600 | | 5,124.00 |
| 4. Project Management | | | | | | | | | | | |
| A. Funding agency reviews (3) incl meeting | | 12 | | 12 | | | | 24 | | | 3,543.15 |
| B. Loan/grant payment request assistance | | 12 | | | | | | 12 | | | 2,067.00 |
| Subtotal | 28 | 412 | 0 | 296 | 0 | 0 | 0 | 736 | 4700 | | 140,911.70 |
| | | | | | | | | | | | |
| Total Hours | 28 | 412 | 0 | 296 | 0 | 0 | 0 | 736 | 4700 | 21000 | 140,911.70 |
| Rate ($/Hr.) | 63.00 | 53.00 | 43.00 | 37.85 | 36.50 | 49.50 | 72.00 | | 1.00 | 1.10 | |
| Direct Labor | 1,764.00 | 21,836.00 | 0.00 | 11,203.60 | 0.00 | 0.00 | 0.00 | | 4,700.00 | 23,100.00 | 140,911.70 |
| P. F. | 3.25 | | | | | | | | | | |