

Consulting Services Contract
City of Waukesha – Donohue & Associates, Inc.
Project Name: South Side Pump Station Consolidation

This Contract is by and between the City of Waukesha, a Wisconsin municipal corporation, referred to herein as the City; and Donohue & Associates, Inc, referred to herein as the Consultant. Together, the City and Consultant are referred to as the Parties.

Recitals

The City published a Request for Proposals, referred to as the RFP, for consulting services in connection with the following Project:

Engineering Services for the South Side Pump Station Consolidation

The RFP contained a specific Scope of Work to be incorporated into the successful bidder's contract.

The Consultant submitted a proposal in response to the RFP, and was selected by the City to be awarded the contract for the Project.

The Consultant is willing to perform consulting services according to the Scope of Work stated in the RFP and the Consultant's responsive Proposal, as modified by the Parties, and to accept the award of the contract for the Project.

Now, therefore, the City and the Consultant agree and contract as follows:

1. **Scope of Work.** The Consultant shall perform the Work described on Schedule A, according to the terms and conditions of this Contract. Consultant shall perform an evaluation of the two alternatives presented in Schedule A, and City shall select one of the alternatives. Consultant shall then complete the chosen alternative according to Schedule A. Schedule A is incorporated into this Contract by reference.
2. **Standard of Work.** Consultant will perform the Work according to generally-accepted industry practices and the highest standards of the professions of the individual employees performing the Work for Consultant.
3. **Payment.** The City shall pay to Consultant a fixed fee based upon the chosen alternative, according to Schedule B, which is incorporated into this Contract by reference. Consultant may invoice City periodically as Work progresses, up to the maximum shown in Schedule B for the chosen alternative. All invoices shall be payable net 30 days.
4. **Time.** Consultant shall commence the Work as promptly after execution of this Contract as is possible, and shall complete the Work, except for the Clean Water Fund application, no later than July 1, 2022, subject only to delays for circumstances beyond Consultant's control, provided Consultant re-commences work promptly in good faith upon the return of normal circumstances.
5. **Ownership of Work Product.** All materials produced in the performance of the Work shall be the sole property of the City, and shall be kept confidential and not disclosed to any third party without the prior written permission of the City. Any reuse of the documents of the documents prepared by Consultant other than for the Project shall be at the City's own risk.
6. **Changes.** This Contract can only be amended by the written, mutual agreement of the Parties. No change to the scope of the Work, or the total amount to be paid to Consultant, shall be effective unless done by the written mutual agreement of the Parties.
7. **Indemnification.** Consultant shall indemnify and hold the City and its officials and employees harmless from any and all third-party claims, demands, causes of action, lawsuits, judgments, penalties, and other liabilities of

any kind to the extent caused by Consultant's negligent performance of the Work or intentional misconduct, including court costs and reasonable attorney fees.

8. **Insurance.** Consultant shall maintain insurance of the following kinds and for not less than the following limits, at Consultant's sole expense, at all times during the performance of the Work. Policies shall be occurrence, and not claims-made, policies, except for professional errors and omissions policies. Consultant shall obtain an endorsement making the City an additional insured, and Consultant's insurance shall be primary, not excess, and non-contributory. All policies shall be from insurers licensed to issue such policies in Wisconsin. Upon the execution of this Contract, Consultant shall deliver a certificate of insurance to City showing that all requirements of this section are met.
 - a. Commercial general liability, including products-completed operations, \$1,000,000 per occurrence, \$2,000,000 aggregate per project.
 - b. Automobile liability, \$1,000,000 bodily injury, \$1,000,000 property damage.
 - c. Excess liability-umbrella, \$5,000,000.
 - d. Worker compensation, statutory requirements.
 - e. Professional liability-errors and omissions, \$2,000,000, with extended-reporting period endorsement.
9. **Record Keeping.** Consultant shall keep all documents and records generated in the performance of the Work for no less than 7 years after completion of the Work, and shall make them available to the City at the City's request. Consultant acknowledges that such documents and records may be subject to Wisconsin's Open Records Law.
10. **Cooperation by City.** The City shall cooperate with the Consultant in the performance of the Work, and shall respond timely to all reasonable requests for information and access.
11. **Parties Are Independent Contractors.** Nothing in this Contract shall be construed to create any relationship between the Parties other than independent contractors. Unless specifically provided in this Contract, the Parties are not agents for one another, have no authority to bind the other to contracts, and have no vicarious liability for the other's acts or omissions.
12. **Governmental Immunities and Notice Requirements Preserved.** Nothing in this Contract shall be construed to be a waiver or modification of the governmental immunities or notice requirements imposed by Wis. Stats. §893.80 or any other law.
13. **Permits and Licenses.** Consultant shall be responsible, at Consultant's expense, for obtaining all permits and licenses required for the performance of the Work unless expressly agreed by the City.
14. **Assignment Prohibited.** This Contract, and the Consultant's responsibility to perform the Work under this Contract, may not be assigned by the Consultant without the City's written consent.
15. **Notices.** All notices required by this Contract, and all other communications between the Parties, shall be addressed as follows:

To the City: Attention: Jonathan Schapekahn
 City of Waukesha
 201 Delafield Street
 Waukesha, WI 53188

To Consultant: Attention: Christopher Lockett, PE
Donohue & Associates, Inc.
731 North Jackson Street, Suite 500
Milwaukee, WI 53202

16. **Corporate Authorization.** The individuals executing this Contract on behalf of the Consultant warrant and represent that they are duly authorized to bind the Consultant to this Contract. Consultant warrants and represents that the execution of this Contract is not prohibited by the Consultant's articles of incorporation, by-laws, operating agreement, or other internal operating orders, or by any applicable law, regulation or court order. Consultant shall provide proof upon request.
17. **Assistance of Counsel, Voluntary Contract.** The Consultant acknowledges that it has either had the assistance of legal counsel in the negotiation, review and execution of this Contract, or has voluntarily waived the opportunity to do so; that it has read and understood each of this Contract's terms, conditions and provisions, and their effects; and that it has executed this Contract freely and not under conditions of duress.
18. **Adequacy of Consideration.** The Parties acknowledge that the consideration expressed in this Contract is adequate and sufficient to make the obligations contained in this Contract binding upon the Parties.
19. **Costs of Enforcement.** The Parties agree that in the event legal action is necessary to enforce any term or condition of this Contract, then the breaching Party will pay the non-breaching Party's costs incurred in such legal action, including actual attorney fees. If a judgment is taken, then costs of enforcement will be added to the judgment,.
20. **Severability.** If any term of this Contract is held unenforceable by a court having jurisdiction, then to the extent the unenforceable term can be severed from the remainder of this Contract without affecting the enforceability of the remainder of this Contract or substantially frustrating its purpose, it will be so severed, and the remainder of this Contract will remain in effect and enforceable.
21. **Survival and Parties Bound.** Unless specifically limited in this Contract, any term, condition or provision of this Contract will survive the execution of this Contract or any stated time periods, to the extent necessary for their performance. This Contract is binding upon, and inures to the benefit of, the Parties' successors, assigns, heirs, executors, trustees and personal representatives.
22. **Governing Law and Jurisdiction.** This Contract will be construed and enforced according to the laws of Wisconsin. If a lawsuit arises out of this Contract, it shall be filed in the state Circuit Court for Waukesha County, Wisconsin. The Parties consent to personal and subject-matter jurisdiction in Wisconsin, and waive all jurisdictional defenses.
23. **Integration, Construction of Contract.** This Contract constitutes the entire agreement of the Parties formed as a result of the City's RFP and the Consultant's responsive proposal; however, if any ambiguity in this Contract requires resolution, or this Contract is silent on a material point, then reference may be made to the RFP and the Consultant's proposal, in that order of priority, to construe this Contract. All other agreements and understandings of the parties with respect to the subject matter expressed in this Contract are unenforceable.
24. **Termination.** Either party may terminate this Contract without cause by giving written notice of termination to the other party, with termination to occur no sooner than 20 days after delivery of the notice. Upon termination, Consultant shall be paid for all Work completed as of the date of termination.
25. **Limitation of Liability.** Consultant shall not be liable for incidental or consequential contract damages. Consultant's liability shall be limited to insurance required by the City under this Agreement.

26. **Confidentiality; Public Records.** All documents created pursuant to this Contract, and all documents delivered to the City, are public records and will be subject to disclosure to the public under Wisconsin's Open Records law.

27. **Effective Date.** This Contract shall be effective as of the latest date of execution shown below.

City of Waukesha


By Shawn N. Reilly, Mayor
Date: _____

Attested by Gina L. Kozlik, City Clerk
Date: _____


To certify that funds are provided for payment:

Bridget M. Souffrant, Director of Finance
Date: _____

Donohue & Associates, Inc.



By Michael Stohl, Vice President
Date: January 18, 2021



By Michael Gerbitz, Sr. Vice President
Date: Jan 18, 2021

Schedule A

(14 pages)

Scope of Services

This Section describes the services Donohue will perform to complete the alternatives analysis, design the selected alternative, deliver Bidding Documents, and provide post-design services.

Pump Station Option

Pump Station Option will consider the following improvements needed to maintain the current collection system:

Sunset Drive Pump Station

- Replacement of two pumps, control, and piping
- Investigate alternatives for the rehabilitation or replacement of existing 8-inch ferrous force main
- New roof for existing building, new access door
- Add on-site generator
- New hatch with safety grates
- Crane addition for pump removal
- Bring facility up to current code (for instance, ladder to drywell)
- Potential site improvements to alleviate flooding
- Flood protection will likely consist of structural measures, such as raising the building, in lieu of berms or retaining walls.

Fox Point Pump Station

- Replacement of three pumps, control, and piping
- Add building
- Add on-site generator
- Eliminate valve vault and move valves into new building
- Minor site improvements

Burr Oak Pump Station

- Replacement of three pumps, control, and piping
- Investigate alternatives for the rehabilitation or replacement of existing 12-inch ferrous force main
- Add on-site generator

West Avenue Pump Station

- Replacement of three pumps, control, and piping
- Verify existing 10-inch force main is sufficient or upsize based on calculations
- Enhancements to existing building: floodproofing, new siding, windows, access door, etc.
- Add on-site generator to power station and adjacent storm pumping station. Currently, the storm pumping station has two 5 hp pumps capable of pumping about 1,000 gpm each through independent 6-inch discharge lines. The pumps draw approximately 6.7 amps with a starting current of 41 amps each.
- Code related updates such as drywell ladder
- Crane addition for pump removal
- Flood protection will likely consist of structural measures, such as raising the building, in lieu of berms or retaining walls.

Heyer Pump Station

- Replacement of three pumps, control, and piping
- Enhancements to existing building: stairs, hatch changes, new roof, glass block for window replacement, access door, etc.
- Code related updates such as drywell ladder
- Crane addition for pump removal
- Add on-site generator

Milky Way Pump Station

- Investigate alternatives for the rehabilitation or replacement of approximately 230 feet of existing 8-inch ferrous force main across the Les Paul Pkwy./E. Sunset Drive intersection
- Add on-site generator

Interceptor Option

Eliminate the Sunset, Burr Oak, and West Avenue pump stations and replace them with gravity sewers directed to a new or upgraded Fox Point pump station. The interceptor option will also examine extending the interceptor sewer east to eliminate the Heyer and Milky Way pump stations. The alternatives analysis will include at least two complete routes from Sunset Drive/Fox Point pump stations to the West Avenue pump station, and at least two complete routes from the West Avenue pump station to Heyer/Milky Way pump station. Possible routes are listed below. These are likely not the only routing variations. Additional ideas from the City or Donohue will be discussed at the kickoff meeting and considered for the alternatives analysis.

- Gravity sewer from Sunset Drive pump station to Fox Point pump station: Along Fox River Parkway or Oakdale Drive
- Gravity sewer from Burr Oak pump station to Fox Point pump station: Along creek or south of Fox Point Village apartment property.
- Gravity sewer from West Avenue pump station to Burr Oak pump station: Along Burr Oak Drive and across the Weldall Manufacturing and WalMart properties. Various routing options across these properties will be considered. We are not showing an alignment along Les Paul Parkway because of potential sewer depths of up to 50 feet. Microtunneling would be required, and at this time, does not appear to be cost effective.
- Gravity sewer from West Avenue pump station to Milky Way and Heyer pump stations: From West Avenue east on STH59, along the north right-of-way or in the median, to the Milky Way pump station, then west on Sunset Drive and north to the Heyer Drive pump station, or north on STH59 and west on Sunset Drive to the Heyer Drive pump station. Routing will need to consider the extensive wetland presence.

The alternatives analysis will consider all aspects of construction along the routes, such as presence of existing utilities, traffic control, condition of existing pavement, easement acquisition, wetland impacts, stream crossings, railroad crossings, depth of sewer, dewatering, and subsurface conditions. For each route, the required acquisition of easement/right-of-way will be identified and construction methods will be explained. Sufficient detail will be provided to verify the recommended route represents a constructible alternative. Existing soil borings, surveys, and record drawings, along with information available from the DNR and WisDOT will be used to determine the best alignments. If it becomes apparent that certain alignments are not feasible, further field investigation and preliminary soil borings will not be performed in that area, preserving investigation budget for those alignments that have potential to be a cost-effective option. Donohue will present the findings of this preliminary phase of the alternatives review to the City. For the alignments that appear to be feasible, additional field information will be gathered, more detailed construction cost information will be prepared and the results will be compared to the pump station option.

The Fox Point pump station will remain in the interceptor option but be upsized to accommodate the additional flow directed from eliminated pump stations. For the upgraded station, all of the items listed for

the Fox Point pump station under Pump Station Option should be included. Alternately, replacement of the pump station will also be considered.

Donohue proposes to break out the cost of the Sunset Drive/Fox Point gravity sewer during the Alternatives Analysis phase to provide the City with a more accurate cost comparison between eliminating the Sunset Drive pump station and the pumps station improvements. If the 16-inch Fox Point force main does not need to be replaced, the cost savings attributed in the AECOM report to having the force main and sewer in the same trench location would not be realized. Because of this and the potential wet well replacement, it would be appropriate to re-evaluate the Sunset Drive pump station elimination during the alternatives analysis.

Design Development

The project includes replacing sanitary laterals, connecting sanitary sewers from side streets, roadway and curb ramp reconstruction, and traffic signal and street lighting restoration. Depending on the alternative selected, the project could involve impacts to three signalized intersections at Sunset Drive and Fox River Parkway, Oakdale Drive, and Sentry Drive.

Where open-cut construction methods are used, the roadway will be repaved from flange to flange. In locations where it makes sense, the existing sanitary sewer will be replaced by the new interceptor and the laterals replaced and reconnected. In other locations, the existing local sewer will remain. Age of the laterals, depth of the sewer, and lateral density will be considered in determining which laterals to replace. We will also evaluate connecting side street sewers to the new interceptor in strategic locations. The sewer alignment will be mainly in road right-of-way, but may cross Weldall Manufacturing, Walmart, Fox Point property, Mallard Pointe condominium association, and Jehovah’s Witnesses property near Milky Way Road and E. Sunset Drive.

Donohue will work with City staff to ensure design criteria and standards are in accordance with City policy.

New pump station buildings will follow the City prototype plans. Donohue used these plans for the new Madison Avenue pump station building.

This project is being funded by the Clean Water State Revolving Fund which required that all “iron and steel products” used on a project are produced in the United States. This requirement will be clearly stated in the Bidding Documents.

Phase 1 - Alternatives Analysis

Task	Description	Services
1	Meetings	<ul style="list-style-type: none"> A. Initial kickoff meeting B. Alternative analysis review meeting – Preliminary Results (zoom mtg)* C. Alternative analysis review meeting D. Provide meeting notes that document discussions, decisions, City comments, and City direction E. Bi-Weekly conference calls F. Presentation of alternative analysis results to Board of Public Works

2	Verify design criteria, Evaluate non-monetary factors	<p>A. Revisit future flow area potential to be served by Waukesha, land use, and projected flows</p> <p>B. Evaluate force main sizing based on future peak flows</p> <p>C. For both the interceptor sewer and force main segments consider sewer depth and related construction methods, environmental impacts, wetlands, creek crossings, potential contaminated sites, pavement removal and replacement, traffic signals, traffic management, street lighting, existing utilities, and easements required</p> <p>D. Coordinate with WisDOT and WDNR to determine feasibility of alternate routes</p> <p>E. Evaluate sewer capacity, flow velocity, and potential for turbulence and odor. Prepare a TM to document the evaluation and describe measures that will be implemented to improve any noted problem areas Include the cost of the improvements in the cost effective analysis.</p>
3	Cost Effective Analysis	<p>A. Perform a cost analysis of the interceptor and pump station option, including capital and operational costs. Consult with local contractors to confirm construction costs</p> <p>B. Estimate cumulative costs into the future and determine the “break-even” period.</p> <p>C. Provide the net present worth value for 20, 50, and 60 years</p> <p>D. Break down the analysis into segments</p> <ul style="list-style-type: none"> • Sunset Drive, West Ave, and Burr Oak pump stations to Fox Point pump station • West Avenue pump station to Heyer/Milky Way pump stations
4	Soil Borings	<p>A. Complete a representative set of soil borings to predict the depth to bedrock, soil properties, and groundwater depth to allow for determination of suitable construction methods and the associated construction costs</p> <p>B. Obtain and review soil borings from water return line project*</p> <p>C. Review existing record drawings and bedrock maps*</p>
5	Technical Memorandum	<p>D. Prepare a technical memorandum including recommendations for either the interceptor or pump station options</p> <p>E. Summarize the alternatives evaluation</p> <p>F. Present the results of the present worth analysis and details of the construction cost estimates</p> <p>G. The document will be prepared in a format suitable for insertion into submittal to WDNR as a Facility Plan</p>

Scope of Services

Phase 2 – Design Development: Interceptor Option

This option will include at least the section from the Sunset Drive and West Avenue pump stations to the Fox Point pump station (the “West” segment). Depending on the results of the alternatives analysis, the design may also include the section from the West Avenue pump station to the Heyer and Milky Way pump stations (the “East” segment). The fee estimate breaks out the cost for each segment.

Task	Description	Services
1	Meetings	<ul style="list-style-type: none"> A. One Utility Meeting B. Bi-Weekly conference calls C. 60% plan review meeting D. 90% plan review meeting E. Provide meeting notes that document discussions, decisions, City comments, and City direction F. One general public information meeting encompassing the entire project. Donohue will prepare the letter and provide to the City for mailing. G. Pre-Construction conference
2	Access Permission	<ul style="list-style-type: none"> A. Obtain necessary permits and approvals to complete all survey and design work along the corridor
3	Wetland Delineation	<p>We propose to delineate the location and extent of wetland boundaries along an approximately 4.7-mile long and 60’ wide corridor for the City of Waukesha South Side Pump Station project. Based on an initial desktop review, there are ten wetland areas mapped on the Wisconsin Wetland Inventory that fall within the Study Area limits as well as mapped wetland indicator soils that extend beyond the mapped wetlands. There are also approximately ten mapped waterway crossings that fall within the Study Area.</p> <p>During the field study, wetland boundaries will be verified using the Routine On-Site Determination Method as defined in the 1987 Corps of Engineers Wetland Delineation Manual and in the Northcentral and Northeast Regional Supplement, and will be performed in accordance with Wisconsin Department of Natural Resources (WDNR) requirements. The delineation technique uses a multi-parameter approach, which requires evidence of wetland hydrology, hydric soils, and hydrophytic vegetation. <i>raSmith</i> ecologists will also consider topographic conditions and use professional judgment in performing the work. The boundaries of areas meeting wetland criteria will be flagged in the field and GPS-located with a Trimble Geo7x.</p> <p>The findings from the field delineation will be documented in a wetland delineation report. Data sheets, a wetland boundary map, a soils map, aerial photographs, a Wisconsin Wetland Inventory map, and color copies of photographs will be included in the report. If during the course of this project, we identify potential wetland fill violations that are less than 10 years old, we must note the potential violations in the wetland report.</p>

		<p>A. West Option includes West Avenue PS to Fox Point PS (following West Avenue, Walmart, Weldall Mfg, Mallard Point property, Fox Point Village Apartments) – assume 60 ft. width.</p> <p>B. East Option includes STH 59 from Sunset to West Avenue</p>
4	Topographic Survey of the Proposed Project Corridors	<p>A. Establish baselines and benchmarks</p> <ul style="list-style-type: none"> • Provide vertical data point collection using NGVD 1929 datum. Data will be Second Order, Class II. • Provide horizontal data point collection using Wisconsin State Plane Coordinate System, South Zone. Data will be Third Order, Class I <p>B. Collect surface topography and prepare maps showing 1-foot contour intervals. Streets, sidewalks, property lines, buildings, structures, railroads, plantings, and other relevant surface features will be shown.</p> <p>C. The width of the surveyed corridor will be:</p> <ul style="list-style-type: none"> • Fox River Parkway (from Sunset Drive PS to Fox Point PS) – assume full right-of way, 60 ft. • Oakdale Drive and Sunset Drive (from Sunset Drive PS to Burr Oak PS) – assume half right-of-way • From West Avenue PS to Fox Point PS (following West Avenue, Walmart, Weldall Mfg, Mallard Point property, Burr Oak Blvd, Fox Point Village Apartments) – assume 60 ft. width West Avenue and easements. Assume 85 ft width on Burr Oak Blvd. • Oakdale Drive (from Burr Oak PS to STH 59) – Assume half right-of-way. • If East Interceptor option is included, STH 59 from E Sunset Drive to West Avenue. Assume 100 ft width. Limit will either be in the median or near north right-of-way line. • If East Interceptor option is included, Milky Way Road from PS to STH 59, then west on Sunset, then north to Heyer Drive PS. Assume full right-of-way in Milky Way , 75 ft width in Sunset, and 60 ft. width to Heyer Dr PS. <p>D. Show the location of existing utilities, both overhead and underground. Digger’s Hotline will be contacted for field locations before surveying. If necessary, a utility coordination meeting will be arranged.</p> <p>E. Measure the inert elevations of existing sanitary and storm sewers in the survey corridor. Obtain elevations of all water valves and any other underground structures in the survey area that can be accurately measured.</p> <p>F. Indicate 100-year flood elevations and limits</p> <p>G. Survey to establish limits of wetlands</p> <p>H. If re-using the Burr Oak force main is not feasible and a new force main is needed along Sunset Drive, an allowance for additional survey is provided in the fee estimate.</p>
5	Construction Documents	<p>A. Prepare detailed construction plans, special provisions, and cost estimates according to the City of Waukesha standards.</p> <ul style="list-style-type: none"> a. Drawings will be prepared using AutoCAD Civil 3D using the City’s modified WisDOT template. b. Special provisions will be assembled using the City’s standard format. c. Detailed cost estimate will be prepared using Microsoft Excel format

		<ul style="list-style-type: none"> B. Perform quality control review C. Conduct plans-in-hand review on site. Incorporate revisions as necessary. D. Submit 60% construction plans (including plan and profile) and special provisions for City review E. Upon City review of the preliminary design, refine the design as necessary to produce 90% complete plans and special provisions F. Prepare final bid and Construction documents G. Prepare construction cost opinion at 60% and detailed cost estimate for the final design prior to bidding H. Incorporate into the construction documents a flow control strategy, including pump station force main connections and bypass pumping I. The plan set shall include, at a minimum: <ul style="list-style-type: none"> a. Title page b. General notes c. Special details d. Traffic control/staging e. Erosion control plan f. Interceptor plan and profile g. Local sanitary sewer plan and profile (those connecting into the interceptor) h. Lateral replacements in areas where existing sanitary sewer laterals are to be connected to the new interceptor i. Storm sewer relays necessary due to conflicts j. Water main offset necessary because of conflicts (coordinate with Water Utility) k. Force main plan and profile l. Pump station upgrade plans including site, demolition, piping, building, building layout, building elevations, and controls and electrical plans and details. The design fee assumes the Fox Point pump station will be a submersible station. An allowance is provided for upgrading to a wet well/dry well pump station. m. Pump station abandonment details n. Road construction plans for pavement replacement (flange to flange), spot curb repairs, and curb ramps updated to ADA standards o. Pavement marking p. If re-using the Burr Oak force main is not feasible, the design of a new force main from the Sunset Drive pump station to Sentry Drive along Sunset Drive is provided as an allowance in the fee estimate. J. Furnish final sealed design plans in Adobe Acrobat "PDF" format (11 x 17 size) to the City. Distribution of the plans and project bidding will be conducted by the City. Electronic copies of all plans will also be supplied in the latest version of AutoCAD.
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		<p>K. Prepare a schedule of prices for the project using the City's standard format and standard bid items. Furnish electronic copies of the final schedule to the City in Microsoft Excel and Adobe Acrobat formats.</p> <p>L. Furnish electronic copies of the final special provisions to the City in Microsoft word and Adobe Acrobat formats.</p> <p>M. Donohue has proposed preparing a single bid document, however, understands that based on the ultimate project selection a second bid package may be financially beneficial. An allowance is provided in the fee estimate for developing and administrating a second bid package.</p>
6	Easement Acquisition Documents	<p>A. Assist the City as required during easement negotiations and attend meetings as necessary (assume 2 meetings)</p> <p>B. Prepare legal descriptions and exhibits for easements required after the final alignment has been approved by the City. It is anticipated that potentially 5 easement descriptions and exhibit drawings will be required:</p> <ul style="list-style-type: none"> • Fox Point property (West Segment) • Mallard Point Condominium Association (West Segment) • Walmart (West Segment) • Weldall Manufacturing (West Segment) • Jehovah's Witnesses property (East Segment)
7	Geotechnical Investigation	<p>A. Conduct soil borings at intervals not exceeding 500 feet along the length of the proposed sewers.</p> <p>B. Conduct soil borings near the limits of any trenchless installation methods,</p> <p>C. Install three groundwater monitoring wells and measure groundwater depths monthly. Perform pump tests (slug testing) to determine groundwater recharge rate.</p> <p>D. Our proposal includes performing approximately 24 test borings for the East Interceptor Option and 27 test borings for the West Interceptor Option. Depths range from 15 to 40 feet, with approximately 990 vertical feet of borings total. Laboratory testing to determine the classification, strength, compressibility and other general physical characteristics will be performed on the collected soil samples. Grain-size analysis testing is also planned to be performed to assist characterization of the soils and evaluate issues related to trenchless installations and open-cut excavations.</p> <p>E. Prepare sub-surface investigation report documenting the results of the investigation and makes recommendations regarding pipe installation</p> <p>F. If re-using the Burr Oak force main is not feasible and a new force main is needed along Sunset Drive, an allowance for additional soil borings is provided in the fee estimate.</p>
8	Dewatering and wastewater flow control	<p>A. Provide appropriate specifications, details, and standards within the design to address dewatering during construction. Include provisions for potentially contaminated water.</p> <p>B. Determine how flow will be maintained during project construction and incorporate into design documents.</p>

9	Traffic Signals and Street Lighting	<p>A. Design required accommodations for street lighting system restoration, as necessary.</p> <p>B. Design required accommodations for traffic signal restoration as necessary on Sunset Drive, depending on alternative route selected.</p>
10	Permits	<p>A. Complete the applications and apply for permits required. The following permits may be required:</p> <ul style="list-style-type: none"> • US Army Corps and DNR Chapter 30 • SEWRPC and DNR sewer approval • DNR WRAPP • Canadian National Railroad utility crossing • WISDOT utility permit • Waukesha Board of Zoning Appeals • Waukesha Plan Commission • Waukesha Parks, Recreation and Forestry
11	Utility Coordination	<p>A. Coordinate with Utility companies. Donohue will submit plans to utility owners and coordinate with them to identify conflicts, potential utility relocations, and existing utility support or protection locations.</p>
12	Bidding	<p>A. Assist the City in identifying appropriate contractors</p> <p>B. Provide clarification of bidder questions</p> <p>C. Attend a pre-bid conference</p> <p>D. Prepare addenda, if needed</p> <p>E. Provide a review and recommendation concerning award of the bid</p>
13	Facilities Plan Submittal	<p>A. Submit Facilities Plan to WDNR for review and approval. We anticipate that the document will be similar to the Facilities plan we submitted on behalf of the City for the Greenmeadow Pump Station/Interceptor project.</p> <p>B. Assist the City through the approval process by responding to WDNR comments</p> <p>C. The following elements will be included:</p> <ul style="list-style-type: none"> • Description of the proposed project and demonstration of need for the project • A brief evaluation of alternatives considered • Project cost and user charge estimate • Net present worth for 20, 50, and 60 years, including O&M costs • Environmental effects of the project • Parallel cost estimate
14	Clean Water Fund Loan Application Assistance	<p>A. Assist the City with preparation of the loan application and compilation of the required attachments. Donohue has provided this service for the Green Meadow Interceptor and West Side Pump Station Consolidation Projects.</p> <p>B. Tasks include:</p> <ul style="list-style-type: none"> • Provide a list of items required for the loan application and discuss with the City responsibilities for each item • Develop a schedule for completion of the various engineering, accounting, and administrative sections of the application • Coordinate application preparation with the City financial representative

		<ul style="list-style-type: none"> • Prepare draft documents for City review • Prepare draft reimbursement resolution for City review and adoption • Incorporate comments and submit final documents and cover letter to the City for signature. Submit loan application documents to WDNR • Following bidding and contractor selection, prepare additional documents required for submittal as part of the application. Revise sections with updated information where appropriate and resubmit those sections • Address follow-up questions regarding the application
15	Post Design Services	<p>A. Respond to requests for information related to the contract documents.</p> <p>B. Provide technical review of all shop drawings and other data submitted by the contractor for conformance to information given in the contract documents and compatibility with the design concept of the project.</p>
16	Additional Design Services – Dry Pit Pump Station	<p>A. If authorized, Donohue will design a dry-pit Fox Point pump station that may include the following elements:</p> <ul style="list-style-type: none"> • Stairs to below grade valve vault • Valves in a partially below grade vault with access (e.g. intermediate platform between grade and lower pump level) • Dry-well pumps with intake bells connecting to wet well • Overhead crane and pump removal system • Heating/air conditioning • Sump pump and associated plumbing • Ventilation equipment for NFPA 820 compliance <p>B. An allowance for additional pump station design services is included in the fee estimate.</p>
17	Environmental Services	<p>A. If authorized, Donohue will retain an environmental sub-consultant to perform a Phase I ESA according to ASTM standards.</p> <p>B. If authorized, Donohue will retain an environmental sub-consultant to collect soil and/or groundwater samples for analytic testing. The type of testing will be dependent on the nature of the potential contamination.</p> <p>C. An allowance for environmental services is included in the fee estimate.</p>

Phase 2 – Design Development: Pump Station Option

Pump Station Option A will include at least the Sunset Drive, Fox Point, Burr Oak, and West Avenue pump station upgrades and the Sunset Drive and Burr Oak force main upgrades. Donohue will verify the existing Fox Point force main is sufficient or upsize based on calculation. Depending on the results of the alternatives analysis, the design may also include Pump Station Option B: the Heyer and Milky Way pump station upgrades and rehabilitation/replacement of 230 feet of the existing Milky Way force main across the Les Paul Parkway/E. Sunset Drive intersection. The fee estimate breaks out the cost for each segment.

Task	Description	Services
1	Meetings	<ul style="list-style-type: none"> A. One Utility Meeting B. Bi-Weekly conference calls C. 60% plan review meeting D. 90% plan review meeting E. Provide meeting notes that document discussions, decisions, City comments, and City direction F. One general public information meeting encompassing the entire project. Donohue will prepare the letter and provide to the City for mailing. G. Pre-Construction conference
2	Access Permission	<ul style="list-style-type: none"> A. Obtain necessary permits and approvals to complete all survey and design work along the corridor
3	Wetland Delineation	<ul style="list-style-type: none"> A. Delineation to follow same protocols and procedure outlined in Interceptor Option except delineation to be completed at pump station sites only, if required.
4	Topographic Survey	<ul style="list-style-type: none"> A. Establish baselines and benchmarks <ul style="list-style-type: none"> • Provide vertical data point collection using NGVD 1929 datum. Data will be Second Order, Class II. • Provide horizontal data point collection using Wisconsin State Plane Coordinate System, South Zone. Data will be Third Order, Class I. B. Collect surface topography and prepare maps showing 1-foot contour intervals. Streets, sidewalks, property lines, buildings, structures, railroads, plantings, and other relevant surface features will be shown. C. Each pump station site will be surveyed. D. Show the location of existing utilities, both overhead and underground. Digger's Hotline will be contacted for field locations prior to surveying. If necessary, a utility coordination meeting will be arranged. E. Measure the inert elevations of existing sanitary and storm sewers in the survey area. Obtain elevations of all water valves and any other underground structures in the survey area that can be accurately measured. F. Indicate 100-year flood elevations and limits G. Collect limits of wetlands
5	Construction Documents	<ul style="list-style-type: none"> A. Prepare detailed construction plans, special provisions, and cost estimates according to the City of Waukesha standards <ul style="list-style-type: none"> • Drawings will be prepared using AutoCAD Civil 3D using the City's modified WisDOT template • Special provisions will be assembled using the City's standard format • Cost estimate will be prepared using Microsoft Excel format B. Perform quality control review

		<p>C. Conduct plans-in-hand review on site. Incorporate revisions as necessary.</p> <p>D. Submit 60% construction plans (including plan & profile) and special provisions for City review</p> <p>E. Upon City review of the preliminary design, refine the design as necessary to product 90% complete plans and special provisions</p> <p>F. Prepare final bid and Construction documents</p> <p>G. Prepare construction cost opinion at 60% and detailed cost estimate for the final design before bidding</p> <p>H. The plan set shall include, at a minimum:</p> <ul style="list-style-type: none"> • Title page • General notes • Special details • Traffic control/staging • Erosion control plan • Force main rehabilitation plan & profile using City of Waukesha records for background information • Pump station upgrade plans including site, demolition, piping, building, building layout, building elevations, controls and electrical plans and details • Design flood protection for West Avenue and Sunset pump stations that also provides access to the buildings and equipment. • Road construction plans for pavement replacement (flange to flange), spot curb repairs, and curb ramps updated to ADA standards <p>I. Furnish final sealed design plans in Adobe Acrobat "PDF" format (11 x 17 size) to the City. Distribution of the plans and project bidding will be conducted by the City. Electronic copies of all plans will also be supplied in the latest version of AutoCAD.</p> <p>J. Prepare a schedule of prices for the project using the City's standard format and standard bid items. Furnish electronic copies of the final schedule to the City in Microsoft Excel and Adobe Acrobat formats.</p> <p>K. Furnish electronic copies of the final special provisions to the City in Microsoft word and Adobe Acrobat formats</p> <p>L. Donohue has proposed preparing a single bid document, however, understands that based on the ultimate project selection a second bid package may be financially beneficial. An allowance is provided in the fee estimate for developing and administrating a second bid package.</p>
6	Geotechnical Investigation	<p>A. Conduct soil borings at locations of new pump station buildings.</p> <p>B. Conduct soil borings near the limits of any trenchless installation methods, if any.</p> <p>C. Prepare sub-surface investigation report documenting the results of the investigation and makes recommendations regarding pipe installation and foundation support systems.</p>
7	Dewatering	<p>A. Provide appropriate specifications, details, and standards within the design to address dewatering during construction. Include provisions for potentially contaminated water.</p>
8	Traffic Signals and Street Lighting	<p>A. Design required accommodations for street lighting system restoration, as necessary.</p> <p>B. Design required accommodations for traffic signal restoration as necessary on Sunset Drive, depending on alternative route selected</p>

9	Permits	<p>A. Complete the applications and apply for permits required. The following permits may be required:</p> <ul style="list-style-type: none"> • US Army Corps and DNR Chapter 30 • SEWRPC and DNR sewer approval • DNR WRAPP • WISDOT utility permit • Waukesha Board of Zoning Appeals • Waukesha Plan Commission • Waukesha Parks, Recreation and Forestry
10	Utility Coordination	<p>A. Coordinate with Utility companies. Donohue will submit plans to utility owners and coordinate with them to identify conflicts, potential utility relocations, and existing utility support or protection locations.</p>
11	Bidding	<p>A. Assist the City in identifying appropriate contractors B. Provide clarification of bidder questions C. Attend a pre-bid conference D. Prepare addenda, if needed E. Provide a review and recommendation concerning award of the bid</p>
12	Facilities Plan Submittal	<p>A. Submit Facilities Plan to WDNR for review and approval. We anticipate that the document will be similar to the Facilities plan we submitted on behalf of the City for the Greenmeadow Pump Station/Interceptor project.</p> <p>B. Assist the City through the approval process by responding to WDNR comments.</p> <p>C. The following elements will be included:</p> <ul style="list-style-type: none"> • Description of the proposed project and demonstration of need for the project • A brief evaluation of alternatives considered • Project cost and user charge estimate • Net present worth for 20, 50, and 60 years, including O&M costs • Environmental effects of the project • Parallel cost estimate
13	Clean Water Fund Loan Application Assistance	<p>A. Assist the City with preparation of the loan application and compilation of the required attachments. Donohue has provided this service for the Green Meadow Interceptor and West Side Pump Station Consolidation Projects.</p> <p>B. Tasks include:</p> <ul style="list-style-type: none"> • Provide a list of items required for the loan application and discuss with the City responsibilities for each item • Develop a schedule for completion of the various engineering, accounting and administrative sections of the application. • Coordinate application preparation with the City financial representative. • Prepare draft documents for City review • Prepare draft reimbursement resolution for City review and adoption • Incorporate comments and submit final documents and cover letter to the City for signature. Submit loan application documents to DNR.

		<ul style="list-style-type: none"> • Following bidding and contractor selection, prepare additional documents required for submittal as part of the application. Revise sections with updated information where appropriate and re-submit those sections. • Address follow-up questions regarding the application
14	Post Design Services	<p>A. Respond to requests for information related to the contract documents.</p> <ul style="list-style-type: none"> • Provide technical review of all shop drawings and other data submitted by the contractor for conformance to information given in the contract documents and compatibility with the design concept of the project. Based on previous experience working on construction projects where the

Schedule B - Pricing

Donohue's proposed Lump Sum Cost for the South Side Pump Station Consolidation Project provides a comprehensive scope of services including project management, survey, alternatives analysis, geotechnical investigation and analysis, wetland delineation, design and construction document development, and post design services. This Cost is summarized below. A detailed breakdown of our services included in this Lump Sum Cost follows this page.

TASK	LUMP SUM COSTS		
	ALTERNATIVES ANALYSIS	INTERCEPTOR OPTION	PS/FM OPTION
Phase 1: Alternatives Analysis	\$87,225		
Phase 2: Design Development			
Interceptor Option Section from Sunset Drive/Fox Point pump station to West Avenue pump station		\$240,130	
Interceptor Option Section from West Avenue pump station to Heyer/Milky Way pump stations		\$119,820	
Pump Station Option Sunset Drive, Fox Point, Burr Oak and West Avenue pump station/force main upgrades			\$174,130
Pump Station Option Heyer and Milky Way pump station/force main upgrades			\$52,920
Facilities Plan Submittal		\$4,800	\$5,160
SRF Loan Application Assistance		\$8,000	\$8,000
Post Design Services		\$16,750	\$20,665
TOTAL	\$87,225	\$389,500	\$260,875
Allowances			
If Authorized, an allowance for environmental services not to exceed		\$10,000	
If Authorized, an allowance for design of a wet well/dry well pump station not to exceed		\$40,000	
If Authorized, an allowance for developing and administrating a second bid page, not to exceed		\$10,000	\$10,000
If Authorized, an allowance for survey, geotechnical services, and design of a new force main in Sunset Drive, not to exceed		\$35,000	
If Authorized, an allowance for survey and design for full replacement of the Burr Oak and Sunset FMs, not to exceed			\$54,670

The following assumptions were made in developing our cost proposal.

1. Waukesha will pay permit fees and easement costs directly.
2. Boundary descriptions and exhibit drawings for five easement acquisitions are included.
3. The Fox Point Pump Station for the Interceptor Option will be a submersible pump station. An allowance is provided for a wet well/dry well station
4. 16-inch Fox Point pump station force main – If a larger size is needed, we assumed reusing the Burr Oak Force Main for the Interceptor Option as a dual force main. An allowance is provided if the Burr Oak Force Main cannot be reused.
5. For the Pump Station Option, West Avenue Force Main is included in alternatives analysis phase but not the design phase.
6. For the Pump Station Option, the Burr Oak and Sunset Force Mains are assumed will be rehabilitated. Additional compensation for survey and design will be needed for full replacement.
 - a. Sunset FM survey and design for full replacement - \$24,070.
 - b. Burr Oak FM survey and design for full replacement – \$30,600
7. The cost for title commitments, if required, is not included.

City of Waukesha
Phase 1: Alternatives Analysis
South Side Pump Station Consolidation
Fee Estimate Summary - Donohue & Associates, Inc.

Task	Stohl \$ 235	Sticklen \$ 180	Lockett \$ 180	Kimmeler \$ 160	Howe \$ 160	Holzward \$ 145	Bergstrom \$ 160	Eng. III \$ 145	Eng. I \$ 115	Total Hours	Total Labor	Expenses	Geotech	Survey	Total Cost
1 Meetings										\$ -	\$ -				
Initial Kickoff			8			8	8			24	\$ 3,880				\$ 3,880
Bi-Weekly Conference Calls			18			12	6			36	\$ 5,940				\$ 5,940
WDNR			1	4		6			4	15	\$ 2,150	\$ 75			\$ 2,225
WisDOT			1			4			1	6	\$ 875	\$ 75			\$ 950
Alternative Analysis Review			4			6	4			14	\$ 2,230	\$ 75			\$ 2,305
Board of Public Works			4							4	\$ 720	\$ 75			\$ 795
2 Review landuse & projected flows		4		4		8			8	24	\$ 3,440				\$ 3,440
MIKE Urban model revisions/results		8				4				12	\$ 2,020				\$ 2,020
Evaluate Collection System Capacity		8				8				16	\$ 2,600				\$ 2,600
Evaluate Fox Point/West Ave FM capacity		4					4		4	12	\$ 1,820				\$ 1,820
Pump Station and Force Main Evaluation			8		4	12	24	24	8	80	\$ 12,060				\$ 12,060
Pump Station Site Visits			8				8	8		24	\$ 3,880				\$ 3,880
Interceptor Route Analysis			10	4		32			50	96	\$ 12,830				\$ 12,830
WisDOT and WDNR Coordination			2			4			4	10	\$ 1,400				\$ 1,400
3 Interceptor Option Costs			8	4		16			8	36	\$ 5,320				\$ 5,320
Pump Station Option Costs			8		2	8	8		4	30	\$ 4,660				\$ 4,660
Present Worth Analysis			2	1		4	4			11	\$ 1,740				\$ 1,740
4 Subsurface Investigation			2	4		6			8	20	\$ 2,790		\$ 7,000	\$ 500	\$ 10,290
Obtain/Review Soil Borings from Water Return Project			2			2			2	6	\$ 880				\$ 880
5 Alternatives Analysis TM	2		2	6	6	16	8		16	56	\$ 8,190				\$ 8,190
Total	2	24	88	27	12	156	74	32	117	532	\$ 79,425	\$ 300	\$ 7,000	\$ 500	\$ 87,225
Total Labor Dollars by Labor Class	\$ 470	\$ 4,320	\$15,840	\$ 4,320	\$ 1,920	\$ 22,620	\$11,840	\$ 4,640	\$13,455						

**City of Waukesha
Phase 2 - Design Development: Interceptor Option
South Side Pump Station Consolidation
Fee Estimate Summary - Donohue & Associates, Inc.**

Task	Stohl \$ 235	Lockett \$ 180	Kimmler \$ 160	Holzward \$ 145	TeBeest \$ 145	Grunwald \$ 115	Wojtkiewicz \$ 160	Team QC \$ 190	Process E-IV \$ 160	Structural E-III \$ 145	Electrical E-II \$ 130	Controls E-I \$ 115	Mechanical E-II \$ 130	Admin II \$ 70	Total Hours	Total Labor	Expenses	Geotech	raSmith Survey/We lands Traffic	Total Cost
West Interceptor Segments - Sunset Drive/Fox Point Pump Station to West Avenue Pump Station																				
1 Utility Meeting		1		4		8									13	\$ 1,680				\$ 1,680
Bi-Weekly Conference Calls		24		24		12									60	\$ 9,180				\$ 9,180
60% Plan Review Meeting		4		4		2									10	\$ 1,530	\$ 75			\$ 1,605
90% Plan Review Meeting		4		4		2									10	\$ 1,530	\$ 75			\$ 1,605
Public Information Meeting		4		4		8									16	\$ 2,220	\$ 75			\$ 2,295
Pre-Construction Conference				6											6	\$ 870				\$ 870
2 Obtain permission to access		2												4	6	\$ 640				\$ 640
3 Wetland Delineation		2		4		4									10	\$ 1,400		\$ 9,000		\$ 10,400
4 Topographic Survey		2		4		4									10	\$ 1,400		\$ 38,000		\$ 39,400
5 Construction Documents																				
60% Plans			8	25	40	160									233	\$ 29,105				\$ 29,105
90% Plans			8	25	25	120									178	\$ 22,330				\$ 22,330
Final Construction Documents			4	25		60									89	\$ 11,165				\$ 11,165
Special Provisions		8	4	24		8									44	\$ 6,480				\$ 6,480
Cost Estimate	2	6	2	16		16									42	\$ 6,030				\$ 6,030
6 Easement Acquisition																				
Prepare Legal Description & Exhibit (4)				4		4									8	\$ 1,040		\$ 2,000		\$ 3,040
Easement Negotiations and Meetings (Assume 2)				8											8	\$ 1,160	\$ 150			\$ 1,310
7 Geotechnical Investigation				4		4									8	\$ 1,040		\$ 18,000		\$ 19,040
8 Dewatering		4	4	8											16	\$ 2,520				\$ 2,520
9 Traffic Signals and Street Lighting											8				8	\$ 1,040		\$ 2,000		\$ 3,040
10 Permits			8	24		40									72	\$ 9,360				\$ 9,360
11 Utility Coordination					24	4									28	\$ 3,940				\$ 3,940
12 Bidding		4		8		8		4	8						32	\$ 4,840				\$ 4,840
East Interceptor Segment - West Avenue Pump Station to Heyer/Milky Way Pump Stations (Add the following if this alternative is included in the project)																				
2 Obtain permission to access		2		4										4	10	\$ 1,220				\$ 1,220
3 Wetland Delineation		2		4		4									10	\$ 1,400		\$ 5,000		\$ 6,400
4 Topographic Survey		2		4		4									10	\$ 1,400		\$ 30,560		\$ 31,960
5 Construction Documents																				
60% Plans				60		120									180	\$ 22,500				\$ 22,500
90% Plans				60		100									160	\$ 20,200				\$ 20,200
Final Construction Documents				20		40									60	\$ 7,500				\$ 7,500
Special Provisions				4		4									8	\$ 1,040				\$ 1,040
Cost Estimate			2	8		16									26	\$ 3,320				\$ 3,320
6 Easement Acquisition																				
Prepare Legal Description & Exhibit (1)				2		2									4	\$ 520		\$ 500		\$ 1,020
7 Geotechnical Investigation				4		4									8	\$ 1,040		\$ 10,000		\$ 11,040
8 Dewatering		4	4	8											16	\$ 2,520				\$ 2,520
9 Traffic Signals and Street Lighting											16				16	\$ 2,080				\$ 2,080
10 Permits			8	16	12	32									68	\$ 9,020				\$ 9,020
Fox Point Pump Station Design (same for West or West + East segments)																				
Attend Kick-off Meeting and Visit Site									6						6	\$ 960	\$ 75			\$ 1,035
Building and Equipment Sizing		8							16	16	16		2		58	\$ 8,660				\$ 8,660
Preliminary Design		8				8		4	20	16	16	8	8		88	\$ 12,680				\$ 12,680
Final Design	2	8				8		12	20	16	12	8	8		94	\$ 14,150				\$ 14,150
Specifications		8						6	12	8	12	4	4		54	\$ 8,200				\$ 8,200
Prepare Cost Opinion		8				2		4	6	6	6	2	2		36	\$ 5,530				\$ 5,530
Same for West or West + East segments																				
13 Facilities Plan Submittal		8	8	8		8									32	\$ 4,800				\$ 4,800
14 CWF Loan Application Assistance							50								50	\$ 8,000				\$ 8,000
15 Post Design Services				64					12	14	12	4	4	14	124	\$ 16,750				\$ 16,750
Total	4	123	60	491	101	816	50	30	100	76	98	26	28	22	2,025	\$ 273,990	\$ 450	\$ 28,000	\$ 87,060	\$ 389,500 West + East
Total Labor Dollars by Labor Class	\$ 940	\$ 22,140	\$ 9,600	\$ 71,195	\$ 14,645	\$ 93,840	\$ 8,000	\$ 5,700	\$ 16,000	\$ 11,020	\$ 12,740	\$ 2,990	\$ 3,640	\$ 1,540						\$ 269,680 West Only

City of Waukesha
Phase 2 - Design Development: Pump Station Option
South Side Pump Station Consolidation
Fee Estimate Summary - Donohue & Associates, Inc.

Task	Stohl \$ 235	Lockett \$ 180	Holzwart \$ 145	Grunwald \$ 115	Wojtkiewicz \$ 160	Team QC \$ 190	Bergstrom E-IV \$ 160	Structural E-III \$ 145	Electrical E-II \$ 130	Controls E-I \$ 115	Mechanical E-II \$ 130	Admin II \$ 70	Total Hours	Total Labor	Expenses	raSmith Wetlands / Survey	Geotech	Total Cost
Option A: Sunset Drive, Fox Point, Burr Oak and West Avenue Pump Station Upgrades, Sunset Drive FM, Burr Oak FM																		
1 Utility Meeting		1	8										9	\$ 1,340				\$ 1,340
Bi-Weekly Conference Calls		24					12						36	\$ 6,240				\$ 6,240
60% Plan Review Meeting	2	4					8						14	\$ 2,470	\$ 75			\$ 2,545
90% Plan Review Meeting		4					8						12	\$ 2,000	\$ 75			\$ 2,075
Public Information Meeting		4	4	4									12	\$ 1,760	\$ 75			\$ 1,835
Pre-Construction Conference							6						6	\$ 960				\$ 960
2 Obtain permission to access			4									2	6	\$ 720				\$ 720
3 Wetland Delineation		2	4	4									10	\$ 1,400		\$ 2,000		\$ 3,400
4 Topographic Survey		2	4	4									10	\$ 1,400		\$ 11,680		\$ 13,080
5 Construction Documents																		
Attend Kick-off Meeting and Visit Site							8						8	\$ 1,280				\$ 1,280
Building and Equipment Sizing						8	52	40	32				132	\$ 19,800				\$ 19,800
Preliminary Design			22	45			56	45	60	40	30		298	\$ 40,150				\$ 40,150
Final Design	2		22	45		8	56	40	52	40	30		295	\$ 40,375				\$ 40,375
Special Provisions/Specifications		8	8				24	20	12	12	12		96	\$ 13,840				\$ 13,840
Prepare Cost Opinion				2			16	16	12	12	12		70	\$ 9,610				\$ 9,610
6 Geotechnical Investigation		4											4	\$ 720			\$ 3,500	\$ 4,220
8 Dewatering		4	4				4						12	\$ 1,940				\$ 1,940
9 Traffic Signals and Street Lighting									8				8	\$ 1,040		\$ 1,000		\$ 2,040
10 Permits		4	4	4			4						16	\$ 2,400				\$ 2,400
10 Utility Coordination			4	16									20	\$ 2,420				\$ 2,420
11 Bidding		4	4				16						24	\$ 3,860				\$ 3,860
Option B; Heyer and Milky Way Pump Station, 230 ft Milky Way Force Main																		
2 Obtain permission to access												2	2	\$ 140				\$ 140
3 Wetland Delineation													-	\$ -		\$ 2,000		\$ 2,000
4 Topographic Survey													-	\$ -		\$ 5,840		\$ 5,840
5 Construction Documents													-	\$ -				\$ -
Visit Site							4						4	\$ 640				\$ 640
Building and Equipment Sizing						4	20	16	20	12	8		80	\$ 11,300				\$ 11,300
Preliminary Design			4	12		4	20	16	32	12	8		108	\$ 14,820				\$ 14,820
Final Design			4	8			12	4	24	4	4		60	\$ 8,100				\$ 8,100
Special Provisions/Specifications		8	8										16	\$ 2,600				\$ 2,600
Prepare Cost Opinion							8	4	4	4	4		24	\$ 3,360				\$ 3,360
6 Geotechnical Investigation																		
7 Dewatering		4	4				4						12	\$ 1,940				\$ 1,940
8 Traffic Signals and Street Lighting													-	\$ -		\$ 500		\$ 500
9 Permits			4	4			4						12	\$ 1,680				\$ 1,680
Same for A or A + B Options																		
12 Facilities Plan Submittal		8	8				16						32	\$ 5,160				\$ 5,160
13 CWF Loan Application Assistance					50								50	\$ 8,000				\$ 8,000
14 Post Design Services			65				18	24	16	8	8	12	151	\$ 20,665				\$ 20,665
Total	4	85	189	148	50	24	376	225	272	144	116	16	1,649	\$ 234,130	\$ 225	\$ 23,020	\$ 3,500	\$ 260,875
Total Labor Dollars by Labor Class	\$ 940	\$ 15,300	\$ 27,405	\$ 17,020	\$ 8,000	\$ 4,560	\$ 60,160	\$ 32,625	\$ 35,360	\$ 16,560	\$ 15,080	\$ 1,120						\$ 207,955

Sunset FM Replacement Design (Additional Effort) \$ 10,920
Sunset FM Replacement Survey (Additional Effort) \$ 13,150
Burr Oak FM Replacement Design (Additional Effort) \$ 15,600
Burr Oak FM Replacement Survey (Additional Effort) \$ 15,000