



April 14, 2020

Sibley County  
400 Court Avenue, P.O. Box 171  
Gaylord, MN 55334  
Mr. Aaron Goemann

**RE: Sibley County - JD20SN Repair #19-139 - 19.01921**

Dear Mr. Goemann,

We would like to thank you for asking Ulteig Engineers, Inc. (“Ulteig”, “we” or “us”) to provide this agreement (the “Agreement”) for engineering services (the “Services”) in connection with the above-referenced project (the “Project”) for Sibley County (the “Client”). We are pleased to have the opportunity to be of service to you with respect to the Project. We, like you, value clear and timely communication. In that spirit, the purpose of this Agreement is to memorialize our understanding of the Project, as well as the terms and conditions by which we will provide Services to you.

**1. SERVICES**

The scope of Services will be as set forth in “Exhibit A” to this Agreement (the “Scope of Services”). Any services not specifically set forth in the Scope of Services constitute “Additional Services,” and, unless otherwise agreed, shall entitle Ulteig to additional compensation calculated on an hourly basis under Ulteig’s fee schedule currently in effect. The fees set forth below (the “Fees”) are based on the Services set forth in the Scope of Services, and the assumption that you will authorize the Services within thirty (30) days of the date of this Agreement. The Fees are subject to increase if you do not authorize the Services within such time.

**2. FEES**

Your fees for the Services will be capped and limited to a maximum amount of \$67,960. You agree to pay us our usual and customary hourly rates for providing the Services. A copy of our current rate sheet is attached as “Exhibit C.” Ulteig’s hourly rates are subject to adjustment from time to time and may be affected by factors such as unusual time constraints and overall value of the Services. You acknowledge and agree that any estimates set forth in the Scope of Work or otherwise provided by Ulteig to you are only estimates and that Ulteig will not be bound or limited by any such estimates. You acknowledge and agree that the cap amount is only applicable with respect to the Services, and you agree that any addition to the Services or work outside of the Scope of Services will be paid by you at Ulteig’s usual and customary hourly rates even if such results in payments above the cap amount.

**3. REIMBURSABLE EXPENSES**

Reimbursement for certain items, such as travel expenses, long distance calls, facsimile service, photocopying and computerized research are not included in the Fees. These expenses, if incurred, will be advanced by us, and then billed to you.

**4. SCHEDULE**

Any milestones or specific dates for completion of the Services shall be as set forth in "Exhibit A." The Fees are based on the assumption that there will be no material delays that prevent the completion of the Services according to the milestones or specific dates set forth in "Exhibit A." The Fees are subject to modification in the event of any delays, except for any delays that are caused solely by Ulteig.

**5. TERMS AND CONDITIONS**

This Agreement includes and incorporates Ulteig's current Standard Terms and Conditions for Professional Services (the "Terms and Conditions") which are set forth in "Exhibit B" attached hereto and incorporated by reference herein. The Terms apply as if fully set forth in this Agreement. In the event of any conflict between the Terms and the contents of this letter (including, without limitation, Scope of Services or the Schedule), the Terms shall control. By your signature below you agree and consent to the Terms and acknowledge that you understand that the Terms are part of this Agreement.

We look forward to working with you on this matter. We appreciate your confidence in us and the opportunity to serve you. If you have questions please feel free to call us. If this Agreement meets with your approval, please sign and date below. This Agreement shall be effective as of the date of your execution (the "Effective Date").

Sincerely,

ULTEIG ENGINEERS, INC.

***APPROVED AND AGREED***  
SIBLEY COUNTY, MINNESOTA

\_\_\_\_\_  
NAME: Kris Carlson, P.E.

TITLE: Senior Technical Manager

\_\_\_\_\_  
AUTHORIZED REPRESENTATIVE'S  
SIGNATURE

\_\_\_\_\_  
AUTHORIZED REPRESENTATIVE'S  
PRINTED NAME

\_\_\_\_\_  
AUTHORIZED REPRESENTATIVE'S  
TITLE

\_\_\_\_\_  
DATE

# **EXHIBIT A**

## **SCOPE OF SERVICES**

**April 14, 2020**

### **OVERVIEW OF PROJECT**

The Sibley-Nicollet Joint Ditch 20 (JD 20) Water Control Structure, located at the outlet of Plaman Lake, was constructed in 1964, and has reached the end of its useful life. Plaman Lake is a public water, number 36P in Sibley County. In the summer of 2019 leakage at the control structure reached the magnitude where repair was no longer possible. At this point in time the Drainage Authority for Joint Ditch 20 Sibley-Nicollet (JD 20 Drainage Authority) wants to replace the structure with an equivalent structure that meets today's design and permit standards. The new structure would be generally equivalent to the original structure, subject to design and permitting constraints, in terms of the following:

- Equivalent length and water level control elevation for the sheet pile weir
- Equivalent foot print and side slopes for the embankment (dike)
- Equivalent clay core for the embankment
- Equivalent foot print of the design maximum pool level

This Scope of Work describes the phased engineering investigation, design and construction related services that would be provided for the replacement structure. Permit related Scope of Work items are based on information received from the Minnesota Department of Natural Resources, specifically email correspondence with Garry Bennett, Area Hydrologist (email is attached to the end of Appendix A).

### **SCOPE**

#### **Phase 1 - Preliminary Engineering Report**

The Preliminary Engineering Report Phase will begin with a one-day field reconnaissance of the water control structure by both the water resources and geotechnical engineers, and a detailed topographic survey of the structure and immediate surrounding area including JD20. Condition assessments will be made for the following:

- Sheet pile water level control structure, including inlet approach area and outlet channel to JD20.
- Rip rap.
- Embankment (dike), including general condition, identification of areas where erosion or other stress has occurred, condition of clay core based on visual observations, and condition of vegetation.
- JD 20 on the south bank along the embankment.

The geotechnical investigation, based on information available at this time, will include a one-day field reconnaissance and collection of one soil boring in the area of the sheet pile. First the field reconnaissance and visual inspection will occur, followed by collection of the soil boring. The results of field reconnaissance will be used to confirm the subsurface testing program. If an unusual or unforeseen condition is found, it may be necessary to collect more than one soil boring and a cost to complete the additional testing will be provided.

The field inspection and topographic survey will be used to confirm dam safety permit needs required by Minnesota Administrative Rules 6115.0300-0520. For instance, the height of the dam will be confirmed. If the height is 6-feet or less than the structure would not be considered a dam for which a dam safety permit would be needed for reconstruction.

A hydrologic and hydraulic analysis will be completed for the control structure to identify water levels in Plaman Lake for design storms ranging from a 2-year 24-hour event to a 100-year 24-hour event. This analysis will be based on the existing water control elevation and used to confirm the sheet pile design. The analysis will also be used to review downstream (outlet) conditions, and as part of a Public Waters permit application to the Minnesota DNR. Structures that control the water level of a public water lake are subject to permitting through the Public Waters program.

A Preliminary Engineering Report will be prepared that will include discussions of repairs and replacement structures needed, the impact of any regulatory, permitting, and wetland requirements, and other identified environmental factors, preliminary plans, a limited discussion of alternatives and opportunities to enhance the project that can be implemented, and an Opinion of Probable Construction Cost for the recommended replacement control structure. The Preliminary Engineering Report will be presented at a public meeting to obtain input from the public.

**Phase 2 - Final Engineering Report**

Final design engineering will begin after the JD20 Drainage Authority approves commencement of work for this phase. Final Engineering will include preparation of final plans and specifications, permit applications and an update of the Opinion of Probable Construction Cost. A Final Design Engineering Report will be prepared that incorporates the final design information. The Final Design Engineering Report will be presented at a public meeting to obtain input from the public which will be incorporated into the final design documents as appropriate. Bid documents will be completed after the JD20 Drainage Authority approves the project for construction.

Permitting related to wetlands is not anticipated at this time because it is expected the footprint of the facilities will be unchanged, therefore no wetland fill would occur. For example, based on the 1964 plan set, the side slope of the embankment is 6 horizontal to 1 vertical on the JD side, and 10 horizontal to 1 vertical on the pond side, and should be adequate to meet present design standards.

**Phase 3 - Construction**

Construction administration and observation will be provided to make sure construction is completed according to the requirements of the plans, specifications and permits (contract documents). Control point and bench mark information will be provided for the contractors use. It is anticipated that part time observation would be adequate during periods of construction, but that full time inspection would be required during certain activities, such as when the sheet piles are installed.

A geotechnical engineer or an experienced engineering technician will be available to observe installation of the sheet piles on a continual basis during construction. During installation of the sheet pile we will document the depth and time of sheet installation. At the end of the construction project a final summary of sheet piling installation will be provided.

For grading, revegetation and other activities part time observation by a qualified civil engineer or experienced engineering technician will occur. Daily observation notes including photographs will be prepared for every day we are on site.

The Ulteig Project Manager will lead construction administration, such as leading a preconstruction meeting, confirmation of pay requests, responding to contractor requests for information and communications with the JD Drainage Authority.

**FEES**

We propose to provide the above services for the following fees:

**PHASE 1 – PRELIMINARY ENGINEERING REPORT**

Survey .....	\$ 2,500
Geotechnical Engineering .....	\$ 13,570
Hydrologic and Hydraulic Analysis .....	\$ 3,390
Preliminary Engineering Report .....	\$ 11,150
Meetings .....	\$ 1,480
<b>SUBTOTAL - PHASE 1 .....</b>	<b>\$ 32,090</b>

**PHASE 2 – FINAL ENGINEERING REPORT**

Final Plans and Specifications.....	\$ 8,010
Geotechnical Engineering .....	\$ 1,970
Final Engineering Report .....	\$ 6,190

Meetings .....	\$ 1,480
<b>SUBTOTAL - PHASE 2 .....</b>	<b>\$ 17,650</b>
<b>PHASE 3 - CONSTRUCTION</b>	
Construction Administration .....	\$4,980
Construction Observation .....	\$9,510
Project Closeout .....	\$3,730
<b>SUBTOTAL - PHASE 3 .....</b>	<b>\$ 18,220</b>
<b>TOTAL PROPOSED COSTS .....</b>	<b>\$ 67,960</b>

**SCHEDULE**

Given the relatively straight forward nature of the design needed, the overall schedule and ability to complete the project through construction will largely governed by the time required to complete the public hearing process, make decisions and to obtain permits. Our proposed schedule makes assumptions regarding when the public hearings occur, recognizing the JD 20 Drainage Authority will determine dates for the public review and project approval processes.

Phase 1, Preliminary Engineering Report, would be initiated as soon as practical in the spring after snow melt has occurred and significant flooding receded. It is anticipated a draft Preliminary Engineering Report would be provided within 2 months of the notice to proceed and a public meeting could within 1 month of submission of the Preliminary Engineering Report. The final Preliminary Engineering Report would be completed immediately after this meeting.

Completion of the draft Final Engineering Report is anticipated to take four to six weeks after receiving approval to complete this phase. A public hearing could be held shortly after completion of the draft report.

The review time for permitting will be minimized by sharing draft preliminary and draft final engineers report to obtain early input into the design. This will shorten the length of time needed for permit review by regulatory agencies.

Schedules for bidding and construction will be determined at a future date as part of the decision process related to approval of the Final Engineering Report. A very progressive schedule would be needed for construction to occur in 2020. Construction in 2021 should be well within the range of feasibility.

**CONDITIONS AND ASSUMPTIONS**

- The JD20 Drainage Authority will organized and arrange a meeting location for all public meetings.
- The JD20 Drainage Authority will be responsible for paying permit application fees.
- The JD20 Drainage Authority will be responsible for advertising the project for bids and receiving the bids.
- The embankment assessment costs assume only one soil boring will be needed. If an unforeseen condition is discovered during the reconnaissance and additional soil boring(s) are needed, it is expected the additional costs to be on the order of \$4500 per day, with a maximum of three additional days needed.
- For budgeting purposes, we have assumed sheet pile installation will take a maximum of three days to complete.
- For budgeting purposes, we have assumed construction oversight for grading, revegetation all activities other than sheet pile installation will take a maximum of 40 hours.
- We have assumed no easements will need to be obtained for the project nor will wetland delineation be necessary.
- The hydrologic and hydraulic analysis for the replacement water level control structure will use software available from the US Geological Survey and US Army Corps of Engineers. Elevation and watershed data available from the Minnesota Geospatial Commons will be used to supplement the site survey.

**ADDITIONAL SERVICES**

Ulteig can provide additional services for tasks not listed above. These services will be performed under a separate Additional Services Agreement in accordance with the terms of our original agreement.

## Roger Clay

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**From:** Bennett, Garry (DNR) <garry.bennett@state.mn.us>  
**Sent:** Friday, April 10, 2020 3:02 PM  
**To:** Roger Clay; Boyle, Jason (DNR)  
**Subject:** RE: Sibley County JD 20 - Plaman Lake Dam

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Roger,

You're probably right about fish passage, but I'll confirm with our Fisheries staff.

Regarding discharge, I was thinking of weir discharge at the structure.

Garry

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**From:** Roger Clay <roger.clay@ulteig.com>  
**Sent:** Friday, April 10, 2020 12:31 PM  
**To:** Bennett, Garry (DNR) <garry.bennett@state.mn.us>; Boyle, Jason (DNR) <jason.boyle@state.mn.us>  
**Subject:** RE: Sibley County JD 20 - Plaman Lake Dam

Garry,

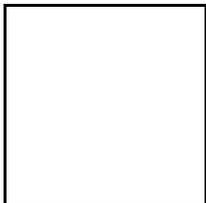
Thank you for your response, it is helpful. For the hydrologic analysis and determination of headwater elevations I intend to use HEC-HMS. The tailwater is JD 20, which is about 10-ft from the sheet pile weir. It would be more appropriate model JD 20 water surface elevations with HEC-RAS. My first impression is high water in JD 20 will not create a backwater for the Plaman Lake Dam.

My understanding is fish passage is not an issue for this project. Please confirm.

The intent to is duplicate the existing lake outlet control structure. The primary thing that has changed since the construction of the structure is rainfall characteristics.

When you refer to conducting an analysis for discharge, do you mean for downstream conditions?

Thanks, Roger



**Roger Clay, PE, PH**

Senior Engineer  
3350 38th Avenue South • Fargo, ND 58104  
Direct: [\(701\) 451-8387](tel:7014518387) • Mobile: [\(701\) 491-0699](tel:7014910699)

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**From:** Bennett, Garry (DNR) <[garry.bennett@state.mn.us](mailto:garry.bennett@state.mn.us)>  
**Sent:** Friday, April 10, 2020 10:41 AM  
**To:** Roger Clay <[roger.clay@ulteig.com](mailto:roger.clay@ulteig.com)>; Boyle, Jason (DNR) <[jason.boyle@state.mn.us](mailto:jason.boyle@state.mn.us)>  
**Subject:** RE: Sibley County JD 20 - Plaman Lake Dam

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Roger,

The H&H analysis should compare original or existing headwater and tailwater elevations to the proposed condition for the 2-year, 10-year, and 100-year 24-hour rainfall events – typically by means of a HEC-RAS model, or similar. A similar analysis should be conducted for discharge. I'd say, at minimum, I need the 2-year and 100-year. The 2-year is typically important to determine adequacy for fish passage, where DNR deems necessary. I recommend the replacement structure closely match the original structure's hydraulic and hydrologic characteristics insofar as practical, as doing so is oftentimes easier to permit. Any significant deviations should be discussed. A recent draft H&H analysis for a different WCS in Sibley County (prepared by Houston Engineering) is attached as an example of what others have provided.

Jason, do you have anything else to add?

**Garry Bennett GIT, CFM**  
Area Hydrologist | Division of Ecological & Water Resources

**Minnesota Department of Natural Resources**  
20596 Highway 7  
Hutchinson, MN 55350  
Phone: (320) 234-2550, ext. 230  
Email: [garry.bennett@state.mn.us](mailto:garry.bennett@state.mn.us)



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**From:** Roger Clay <[roger.clay@ulteig.com](mailto:roger.clay@ulteig.com)>  
**Sent:** Thursday, April 9, 2020 1:56 PM  
**To:** Boyle, Jason (DNR) <[jason.boyle@state.mn.us](mailto:jason.boyle@state.mn.us)>; Bennett, Garry (DNR) <[garry.bennett@state.mn.us](mailto:garry.bennett@state.mn.us)>  
**Subject:** Sibley County JD 20 - Plaman Lake Dam

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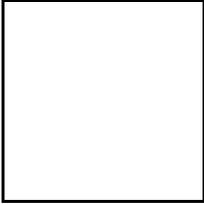
Jason and Garry,

In response to questions I have received from Sibley County, I want to confirm the hydrologic and hydraulic analysis that would be required to obtain dam safety and waters permits for the replacement of the outlet control structure. For

example, what modeling would be required? In regards to the design, I think we would only need to compute a 100-yr water surface elevation for the new outlet control structure. Please let me know what you think.

Thank you,

Roger



**Roger Clay, PE, PH**

Senior Engineer

4285 Lexington Avenue North, St. Paul, MN 55126

Mobile: [\(952\) 807-5875](tel:9528075875)

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## **Exhibit B - Ulteig Standard Terms and Conditions For Professional Services**

1. Ulteig shall perform the Services in a professional and workmanlike manner in accordance with generally recognized industry standards for similar services provided under similar conditions at the same time and in a similar locale. Ulteig shall be responsible for the technical accuracy of the Services and related work-product. Ulteig shall correct any material technical inaccuracies in its Services or related work-product without additional compensation, except to the extent such inaccuracies are attributable to deficiencies in Client-furnished information or otherwise the fault of Client. THE FOREGOING REMEDIES CONSTITUTE CLIENT'S SOLE AND EXCLUSIVE REMEDY AND ULTEIG'S ENTIRE LIABILITY FOR ANY BREACH OF THE LIMITED WARRANTY SET FORTH IN THIS PARAGRAPH 1. EXCEPT FOR THE LIMITED WARRANTY SET FORTH IN THIS PARAGRAPH 1, ULTEIG MAKES NO WARRANTY WHATSOEVER WITH RESPECT TO THE SERVICES, INCLUDING ANY (A) WARRANTY OF MERCHANTABILITY; OR (B) WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE; OR (C) WARRANTY OF TITLE; OR (D) WARRANTY AGAINST INFRINGEMENT OF INTELLECTUAL PROPERTY RIGHTS OF A THIRD PARTY; WHETHER EXPRESS OR IMPLIED BY LAW, COURSE OF DEALING, COURSE OF PERFORMANCE, USAGE OF TRADE OR OTHERWISE.
2. Ulteig will prepare invoices using Ulteig's standard invoicing practices to be submitted to Client on a monthly basis. Invoices are due and payable upon receipt. If Client fails to make such payment within thirty (30) days after receipt, Ulteig will charge interest at the rate of 1.0% per month (or the maximum rate of interest permitted by law, if less) from the date the invoice was received. Any late payments shall be credited first to interest and then to principal. In addition, Ulteig may, after giving seven (7) days' written notice to Client, suspend the Services until Client pays to Ulteig all amounts due in full. Client shall be responsible for and owe Ulteig any costs Ulteig incurs in an effort to collect late payments from Client.
3. The obligation to provide further Services under the Agreement may be terminated by either party upon seven (7) days' written notice in the event of substantial failure by the other party to perform in accordance with the terms of this Agreement through no fault of the terminating party. However, the Agreement will not terminate as a result of such substantial failure if the party receiving such notice begins, within seven (7) days of receipt of such notice, to correct its failure to perform and proceeds diligently to cure such failure within no more than thirty (30) days of receipt thereof; provided, however, that if and to the extent such substantial failure cannot be reasonably cured within such thirty (30) day period, and if such party has diligently attempted to cure the same and thereafter continues diligently to cure the same, then the cure period provided for herein shall extend up to, but in no case more than, sixty (60) days after the date of receipt of the notice. If either party has terminated Services, the termination will not affect any rights or remedies of either party against the other then existing or which may thereafter accrue.
4. The obligation to provide further Services under the Agreement may be terminated by Ulteig immediately upon written notice to Client if: (a) Ulteig believes that Client has requested Ulteig to furnish or perform Services contrary to Ulteig's responsibilities as a licensed professional; (b) Client files a voluntary petition seeking relief under the United States Bankruptcy Code or there is an involuntary bankruptcy petition filed against Client in the United States Bankruptcy Court; or (c) if Ulteig's ability to perform or provide the Services is delayed or suspended for more than sixty (60) days for any reason beyond Ulteig's control. Ulteig shall have no liability to Client on account of a termination under this Paragraph 4.
5. In the event of any termination of this Agreement, Ulteig shall invoice Client and Client shall pay Ulteig for all Services performed and all Reimbursable Expenses incurred by Ulteig through the effective date of such termination.
6. Other than any cost, loss, or damages that is proven to have been caused by the sole negligence of Ulteig, Ulteig shall not be liable to Client or anyone claiming by, through, or under Client for any cost, loss, or damages caused, in whole or in part, by the negligence of any entity or individual under the Agreement or in any way relating to the Services.
7. To the fullest extent permitted by law, and notwithstanding any other provision in the Agreement: (a) the Parties and their officers, directors, employees, agents, and consultants shall not be liable to one another or any third party for any loss of use, revenue or profit, or for any special, incidental, indirect, consequential, exemplary or punitive damages whether arising out of breach of contract, tort (including negligence), professional errors or omissions, strict liability, any warranty express or implied, or otherwise, regardless of whether such damage was foreseeable and whether or not such party has been advised of the possibility of such damages, and notwithstanding the failure of any remedy of its essential purpose; and (b) the total liability, in the aggregate, of Ulteig and Ulteig's officers, directors, employees, agents, and consultants, to Client and anyone claiming by, through, or under Client for any and all claims, losses, costs, or damages arising out of, resulting from, or in any way related to the Project, the Services or the Agreement from any cause or causes shall not exceed the total compensation paid by Client to Ulteig under the Agreement. It is intended that this limitation apply to any and all liability or causes of action however alleged or arising, unless otherwise prohibited by law.
8. The Agreement may only be amended, supplemented, modified, or canceled by a written instrument signed by the Parties. The Agreement is to be governed by North Dakota law. Any dispute between the Parties that cannot be resolved through alternative dispute resolution shall be venued in a court of competent jurisdiction in Fargo, North Dakota. The Agreement constitutes the entire agreement between Client and Ulteig and supersedes all prior or contemporaneous understandings, agreements, negotiations, representations and warranties, and communications, whether written or oral. If any legal action or proceeding is brought by Ulteig to enforce the Agreement, Ulteig shall be entitled to recover reasonable attorneys' fees and other costs incurred in that action or proceeding, in addition to any other relief to which Ulteig may be entitled.



We listen. We solve.™

**Exhibit C**  
**2020 Hourly Rate Schedule**  
**for Civil (Midwest)**  
 Effective January 1, 2020

<b>Engineer</b>		<b>Survey</b>	
Engineering Intern	\$90.00	Survey Technician Intern	\$76.00
Graduate Engineer	\$110.00	Survey Technician	\$84.00
Design Engineer	\$126.00	Lead Survey Technician	\$104.00
Engineer	\$150.00	Senior Survey Technician	\$118.00
Lead Engineer	\$160.00	Land Surveyor-in-Training	\$120.00
Senior Engineer	\$172.00	Land Surveyor	\$136.00
Principal Engineer	\$196.00	Lead Land Surveyor	\$140.00
<b>Drafter &amp; Technician</b>		Senior Land Surveyor	\$160.00
CADD Technician I	\$88.00	Principal Land Surveyor	\$196.00
CADD Technician II	\$92.00	<b>Construction Management</b>	
Engineering Technician	\$104.00	Field Observer	\$106.00
Lead Engineering Technician	\$124.00	Field Coordinator	\$118.00
Senior Engineering Technician	\$136.00	Senior Field Coordinator	\$132.00
Senior Designer	\$148.00	Construction Manager	\$154.00
<b>Project Management</b>		Senior Construction Manager	\$164.00
Project Coordinator	\$98.00	<b>GIS</b>	
Associate Project Manager	\$112.00	GIS Technician	\$102.00
Project Analyst	\$112.00	GIS Analyst	\$130.00
Project Scheduler	\$126.00	Lead GIS Analyst	\$148.00
Project Manager	\$136.00	Senior GIS Analyst	\$158.00
Project Controls Specialist	\$142.00	<b>Right-of-Way</b>	
Senior Project Manager	\$174.00	Right-of-Way Specialist I	\$97.00
Program Manager	\$176.00	Right-of-Way Specialist II	\$110.00
<b>Environmental</b>		Lead Right-of-Way Specialist	\$125.00
Environmental Specialist	\$125.00	Senior Right-of-Way Specialist	\$140.00
Lead Environmental Specialist	\$150.00	Right-of-Way Manager	\$188.00
Senior Environmental Specialist	\$175.00	<b>Other Classifications</b>	
		Planner	\$124.00
		Senior Planner	\$198.00
		Clerical	\$50.00
		Staff Support	\$75.00

<b>Reimbursable Expenses</b>			
Subcontractors/Subconsultants	Cost	GPS Rover (1 unit & controller)	\$28.00/hour
Survey Vehicle	\$0.75/mile	GPS Rover (2 units & controller)	\$49.00/hour
Car/Pickup	IRS Rate/mile	Robotic Total Station	\$39.00/hour
Utility Vehicle	\$205.00/day	Staking:	
Drone, Scanning, Remote Sensing	\$80.00/hour	Hubs	\$0.65/each
Meals (Per Diem)	\$65.00/day	Lath	\$0.70/each
Travel and Other Misc. Out-of-Pocket	Cost	Posts	\$5.00/each
		Rebar	\$1.50/each
		Rebar with Caps	\$2.00/each