Jefferson County
Board of Commissioners
Agenda Request

To: Board of Commissioners
Mark McCauley, County Administrator

From: Monte Reinders, Public Works Director/County Engineer

Agenda Date: February 13, 2023

Subject: Geotechnical Construction Inspection Services
HWA GeoSciences, Inc.
Port Hadlock Sewer

Statement of Issue: Contract for geotechnical (soils) monitoring, inspection, and testing services during construction of the wastewater percolation pond for the Port Hadlock sewer project.

Analysis/Strategic Goals/Pro's & Con's: The project includes construction of a 1.5-acre pond for infiltration of Class A reclaimed water. HWA GeoSciences is the geotechnical Engineer of Record for the design of this facility. HWA performed extensive geotechnical investigations and groundwater modeling in the 2011-2012 timeframe, and their findings and recommendations were used for the design of the facility. It is important that they be involved during the construction of the facility to confirm the soil conditions encountered and to observe that the facility is built according to their recommendations. They will also be available to respond to any changed conditions, should they occur.

Fiscal Impact/Cost Benefit Analysis: $46,354. Funding comes from the County ARPA funds dedicated to this project.

Recommendation: Please sign three (3) originals of the contract and return two (2) fully executed originals to Public Works.

Department Contact: Monte Reinders x242

Reviewed By:

Mark McCauley, County Administrator — **Date** 2/8/23

Clear Form

CONTRACT REVIEW FORM

(INSTRUCTIONS ARE ON THE NEXT PAGE)

CONTRACT WITH: HWA GeoSciences, Inc. Contract No: N/A PW 2023-006

Contract For: Geotechical Inspection Services Term: 12/31/2023

COUNTY DEPARTMENT:	Public Works
Contact Person:	Monte Reinders
Contact Phone:	3603859242
Contact email:	mreinders@co.jefferson.wa.us

AMOUNT: $50,000

Revenue:	50,000 (County ARPA)
Expenditure:	50,000 (405-2114-0)
Matching Funds Required:	0
Sources(s) of Matching Funds	
Fund #	
Munis Org/Obj	

PROCESS:

- ☐ **Exempt from Bid Process**
- ☐ **Cooperative Purchase**
- ☐ **Competitive Sealed Bid**
- ☐ **Small Works Roster**
- ☐ **Vendor List Bid**
- ☐ **RFP or RFQ**
- ☑ **Other:** MRSC Consultant Roster

APPROVAL STEPS:

STEP 1: DEPARTMENT CERTIFIES COMPLIANCE WITH JCC 3.55.080 AND CHAPTER 42.23 RCW.

CERTIFIED: ■ **N/A:** ☐ Monte Reinders Digitally signed by Monte Reinders DN: C=US, E=mreinders@co.jefferson.wa.us, O=Jefferson County Public Works, OU=Public Works Director, CN=Monte Reinders Reason: I am approving this document Date: 2023.01.30 14:59:42-08'00'

Signature Date

STEP 2: DEPARTMENT CERTIFIES THE PERSON PROPOSED FOR CONTRACTING WITH THE COUNTY (CONTRACTOR) HAS NOT BEEN DEBARRED BY ANY FEDERAL, STATE, OR LOCAL AGENCY.

CERTIFIED: ■ **N/A:** ☐ Monte Reinders Digitally signed by Monte Reinders DN: C=US, E=mreinders@co.jefferson.wa.us, O=Jefferson County Public Works, OU=Public Works Director, CN=Monte Reinders Reason: I am approving this document Date: 2023.01.30 14:59:08-08'00'

Signature Date

STEP 3: RISK MANAGEMENT REVIEW (will be added electronically through Laserfiche):

✓ Electronically approved by Risk Management on 1/31/2023.
Fix typo in Analysis section - 2011-20121 - for Board packet.

STEP 4: PROSECUTING ATTORNEY REVIEW (will be added electronically through Laserfiche):

✓ Electronically approved as to form by PAO on 2/2/2023.
Pre-Approved Contract form. No PAO signature required.

STEP 5: DEPARTMENT MAKES REVISIONS & RESUBMITS TO RISK MANAGEMENT AND PROSECUTING ATTORNEY(IF REQUIRED).

STEP 6: CONTRACTOR SIGNS

STEP 7: SUBMIT TO BOCC FOR APPROVAL

PROFESSIONAL SERVICES AGREEMENT FOR

Geotechnical Construction Inspection Services - Port Hadlock
Wastewater Project 405-2114-0

THIS PROFESIONAL SERVICES AGREEMENT ("this Agreement") is entered into between the County of Jefferson, a municipal corporation ("the County"), and HWA GeoSciences, Inc. ("the Consultant"), in consideration of the mutual benefits, terms, and conditions specified below.

1. Project Designation. The Consultant is retained by the County to perform Geotechnical monitoring and construction inspection for the Port Hadlock Wastewater percolation pond.

2. Scope of Services. Consultant agrees to perform the services identified on Exhibit "A" attached hereto including the provision of all labor.

3. Time for Performance. Work under this Agreement shall commence upon the giving of written notice by the County to the Consultant to proceed. The Consultant shall perform all services and provide all work products required pursuant to this Agreement on the dates listed on Exhibit "A". Time is of the essence in the performance of this Agreement.

4. Payment. The Consultant shall be paid by the County for completed work and for services rendered under this Agreement as follows:

   a. Payment for the work provided by Consultant shall be made as provided on Exhibit "B" attached hereto, provided that the total amount of payment to Consultant shall not exceed $46,354 without express written modification of the Agreement signed by the County.

   b. The Consultant may submit invoices to the County once per month during the progress of the work for partial payment for project completed to date. Such vouchers will be checked by the County, and upon approval thereof, payment will be made to the Consultant in the amount approved. Payment of Consultant invoices shall be within 30 days of receipt by the County for any services not in dispute based on the terms of this Agreement.

   c. Final payment of any balance due the Consultant of the total contract price earned will be made promptly upon its ascertainment and verification by the County after the completion of the work under this Agreement and its acceptance by the County.

   d. Payment as provided in this section shall be full compensation for work performed, services rendered and for all materials, supplies, equipment and incidentals necessary to complete the work.

   e. The Consultant's records and accounts pertaining to this Agreement are to be kept available for inspection by representatives of the County and state for a period of three (3) years after final payments. Copies shall be made available upon request.

5. Ownership and Use of Documents. All documents, drawings, specifications, and other materials produced by the Consultant in connection with the services rendered under this Agreement shall be the property of the County whether the project for which they are made is executed or not. The Consultant shall be permitted to retain copies, including reproducible copies, of drawings and specifications for information, reference and use in connection with Consultant's endeavors. Consultant shall not be held liable for reuse of documents or modifications thereof, including electronic data, by County or its representatives for any purpose other than the intent of this Agreement.

6. Compliance with laws. Consultant shall, in performing the services contemplated by this Agreement, faithfully observe and comply with all federal, state, and local laws, ordinances and regulations, applicable to the services to be rendered under this Agreement.

7. Indemnification. The Consultant shall defend, indemnify and hold the County, its officers, officials, employees, agents and volunteers (and their marital communities) harmless from any and all claims, injuries, damages, losses or suits including attorney fees, arising out of or resulting from the acts, errors or omissions of the Consultant in performance of this Agreement, except for injuries and damages caused by the sole negligence of the County. Should a court of competent jurisdiction determine that this Agreement is subject to RCW 4.24.115, then, in the event of liability for damages arising out of bodily injury to persons or damages to property caused by or resulting from the concurrent negligence of the Consultant and the County, its officers, officials, employees, agents and volunteers (and their marital communities) the Consultant's liability, including the duty and cost to defend, hereunder shall be only to the extent of the Consultant's negligence. It is further specifically and expressly understood that the indemnification provided herein constitutes the Consultant's waiver of immunity under Industrial Insurance, Title 51 RCW, solely for the purposes of this indemnification. This waiver has been mutually negotiated by the parties. The provisions of this section shall survive the expiration or termination of this Agreement.

8. Insurance. Prior to commencing work, the Consultant shall obtain at its own cost and expense the following insurance coverage specified below and shall keep such coverage in force during the terms of the Agreement.

   Commercial Automobile Liability Insurance providing bodily injury and property damage liability coverage for all owned and non-owned vehicles assigned to or used in the performance of the work for a combined single limit of not less than $500,000 each occurrence with the County named as an additional insured in connection with the Consultant's performance of this Agreement. This insurance shall indicate on the certificate of insurance the following coverage: (a) Owned automobiles; (b) Hired automobiles; and, (3) Non-owned automobiles.

   Commercial General Liability Insurance in an amount not less than a single limit of one million dollars ($1,000,000) per occurrence and an aggregate of not less than two (2) times the occurrence amount ($2,000,000.00 minimum) for bodily injury, including death and property damage, unless a greater amount is specified in the contract specifications.

The insurance coverage shall contain no limitations on the scope of the protection provided and include the following minimum coverage:

a. Broad Form Property Damage, with no employee exclusion;

b. Personal Injury Liability, including extended bodily injury;

c. Broad Form Contractual/Commercial Liability – including coverage for products and completed operations;

d. Premises – Operations Liability (M&C);

e. Independent Contractors and subcontractors;

f. Blanket Contractual Liability.

Professional Liability Insurance. The Consultant shall maintain professional liability insurance against legal liability arising out of activity related to the performance of this Agreement, on a form acceptable to Jefferson County Risk Management in the amounts of not less than $1,000,000 Each Claim and $2,000,000 Aggregate. The professional liability insurance policy should be on an "occurrence" form. If the professional liability policy is "claims made," then an extended reporting period coverage (tail coverage) shall be purchased for three (3) years after the end of this Agreement, at the Consultant's sole expense. The Consultant agrees the Consultant's insurance obligation to provide professional liability insurance shall survive the completion or termination of this Agreement for a minimum period of three (3) years.

The County shall be named as an "additional named insured" under all insurance policies required by this Agreement, except Professional Liability Insurance when not allowed by the insurer.

Such insurance coverage shall be evidenced by one of the following methods: (a) Certificate of Insurance; or, (b) Self-insurance through an irrevocable Letter of Credit from a qualified financial institution.

The Consultant shall furnish the County with properly executed certificates of insurance that, at a minimum, shall include: (a) The limits of overage; (b) The project name to which it applies; (c) The certificate holder as Jefferson County, Washington and its elected officials, officers, and employees with the address of Jefferson County Risk Management, P.O. Box 1220, Port Townsend, WA 98368, and, (d) A statement that the insurance policy shall not be canceled or allowed to expire except on thirty (30) days prior written notice to the County. If the proof of insurance or certificate indicating the County is an "additional insured" to a policy obtained by the Consultant refers to an endorsement (by number or name) but does not provide the full text of that endorsement, then it shall be the obligation of the Consultant to obtain the full text of that endorsement and forward that full text to the County. Certificates of coverage as required by this section shall be delivered to the County within fifteen (15) days of execution of this Agreement.

Failure of the Consultant to take out or maintain any required insurance shall not relieve the Consultant from any liability under the Agreement, nor shall the insurance

requirements be construed to conflict with or otherwise limit the obligations concerning indemnification of the County.

The Consultant's insurers shall have no right of recovery or subrogation against the County (including its employees and other agents and agencies), it being the intention of the parties that the insurance policies, with the exception of Professional Liability Insurance, so affected shall protect both parties and be primary coverage for all losses covered by the above described insurance.

Insurance companies issuing the policy or policies shall have no recourse against the County (including its employees and other agents and agencies) for payment of any premiums or for assessments under any form of policy.

All deductibles in the above described insurance policies shall be assumed by and be at the sole risk of the Consultant.

Any deductibles or self-insured retention shall be declared to and approved by the County prior to the approval of this Agreement by the County. At the option of the County, the insurer shall reduce or eliminate deductibles or self-insured retention, or the Consultant shall procure a bond guaranteeing payment of losses and related investigations, claim administration and defense expenses.

Insurance companies issuing the Consultant's insurance policy or policies shall have no recourse against the County (including its employees and other agents and agencies) for payment of any premiums or for assessments under any form of insurance policy.

Any judgments for which the County may be liable, in excess of insured amounts required by this Agreement, or any portion thereof, may be withheld from payment due, or to become due, to the Consultant until the Consultant shall furnish additional security covering such judgment as may be determined by the County.

Any coverage for third party liability claims provided to the County by a "Risk Pool" created pursuant to Ch. 48.62 RCW shall be non-contributory with respect to any policy of insurance the Consultant must provide in order to comply with this Agreement.

The County may, upon the Consultant's failure to comply with all provisions of this Agreement relating to insurance, withhold payment or compensation that would otherwise be due to the Consultant.

The Consultant's liability insurance provisions shall be primary and noncontributory with respect to any insurance or self-insurance programs covering the County, its elected and appointed officers, officials, employees, and agents.

Any failure to comply with reporting provisions of the insurance policies shall not affect coverage provided to the County, its officers, officials, employees, or agents.

The Consultant's insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability.

The Consultant shall include all subconsultants as insured under its insurance policies or shall furnish separate certificates and endorsements for each subconsultant. All insurance provisions for subconsultants shall be subject to all the requirements stated herein.

The insurance limits mandated for any insurance coverage required by this Agreement are not intended to be an indication of exposure nor are they limitations on indemnification.

The Consultant shall maintain all required insurance policies in force from the time services commence until services are completed. Certificates, insurance policies, and endorsements expiring before completion of services shall be promptly replaced. All the insurance policies required by this Agreement shall provide that thirty (30) days prior to cancellation, suspension, reduction or material change in the policy, notice of same shall be given to the County Risk Manager by registered mail, return receipt requested.

The Consultant shall place insurance with insurers licensed to do business in the State of Washington and having A.M. Best Company ratings of no less than A-, with the exception that excess and umbrella coverage used to meet the requirements for limits of liability or gaps in coverage need not be placed with insurers or re-insurers licensed in the State of Washington.

The County reserves the right to request additional insurance on an individual basis for extra hazardous contracts and specific service agreements.

9. Worker's Compensation (Industrial Insurance).

If and only if the Consultant employs any person(s) in the status of employee or employees separate from or in addition to any equity owners, sole proprietor, partners, owners or shareholders of the Consultant, the Consultant shall maintain workers' compensation insurance at its own expense, as required by Title 51 RCW, for the term of this Agreement and shall provide evidence of coverage to Jefferson County Risk Management, upon request.

Worker's compensation insurance covering all employees with limits meeting all applicable state and federal laws. This coverage shall include Employer's Liability with limits meeting all applicable state and federal laws.

This coverage shall extend to any subconsultant that does not have their own worker's compensation and employer's liability insurance.

The Consultant expressly waives by mutual negotiation all immunity and limitations on liability, with respect to the County, under any industrial insurance act, disability benefit act, or other employee benefit act of any jurisdiction which would otherwise be applicable in the case of such claim.

If the County incurs any costs to enforce the provisions of this subsection, all cost and fees shall be recoverable from the Consultant.

10. Independent Contractor. The Consultant and the County agree that the Consultant is an independent contractor with respect to the services provided pursuant to this Agreement. The Consultant specifically has the right to direct and control Consultant's own activities, and the activities of its subconsultants, employees, agents, and representatives, in providing the agreed services in accordance with the specifications set out in this Agreement. Nothing in this Agreement shall be considered to create the relationship of employer and employee between the parties. Neither Consultant nor any employee of Consultant shall be entitled to any benefits accorded County employees by virtue of the services provided under this Agreement, including, but not limited to: retirement, vacation pay; holiday pay; sick leave pay; medical, dental, or other insurance benefits; fringe benefits; or any other rights or privileges afforded to Jefferson County employees. The County shall not be responsible for withholding or otherwise deducting federal income tax or social security or for contributing to the state industrial insurance program, otherwise assuming the duties of an employer with respect to Consultant, or any employee of Consultant.

11. Subcontracting Requirements.

The Consultant is responsible for meeting all terms and conditions of this Agreement including standards of service, quality of materials and workmanship, costs, and schedules. Failure of a subconsultant to perform is no defense to a breach of this Agreement. The Consultant assumes responsibility for and all liability for the actions and quality of services performed by any subconsultant.

Every subconsultant must agree in writing to follow every term of this Agreement. The Consultant must provide every subconsultant's written agreement to follow every term of this Agreement before the subconsultant can perform any services under this Agreement. The County Engineer or their designee must approve any proposed subconsultant in writing.

Any dispute arising between the Consultant and any subconsultant or between subconsultant must be resolved without involvement of any kind on the part of the County and without detrimental impact on the Consultant's performance required by this Agreement.

12. Covenant Against Contingent Fees. The Consultant warrants that he has not employed or retained any company or person, other than a bona fide employee working solely for the Consultant, to solicit or secure this Agreement, and that he has not paid or agreed to pay any company or person, other than a bona fide employee working solely for the Consultant, any fee, commission, percentage, brokerage fee, gifts, or any other consideration contingent upon or resulting from the award or making of this Agreement. For breach or violation of this warranty, the County shall have the right to annul this Agreement without liability or, in its discretion to deduct from the contract price or consideration, or otherwise recover, the full amount of such fee, commission, percentage, brokerage fee, gift, or contingent fee.

13. Discrimination Prohibited. The Consultant, with regard to the work performed by it under this Agreement, will not discriminate on the grounds of race, color, national origin,

religion, creed, age, sex, or the presence of any physical or sensory handicap in the selection and retention of employees or procurement of materials or supplies.

14. No Assignment. The Consultant shall not sublet or assign any of the services covered by this Agreement without the express written consent of the County. Assignment does not include printing or other customary reimbursable expenses that may be provided in an agreement.

15. Non-Waiver. Waiver by the County of any provision of this Agreement or any time limitation provided for in this Agreement shall not constitute a waiver of any other provision.

16. Termination.

    a. The County reserves the right to terminate this Agreement at any time by giving ten (10) days written notice to the Consultant.

    b. In the event of the death of a member, partner, or officer of the Consultant, or any of its supervisory personnel assigned to the project, the surviving members of the Consultant hereby agree to complete the work under the terms of this Agreement, if requested to do so by the County. This section shall not be a bar to renegotiations of this Agreement between surviving members of the Consultant and the County, if the County so chooses.

17. Notices. All notices or other communications which any party desires or is required to give shall be given in writing and shall be deemed to have been given if hand-delivered, sent by facsimile, email, or mailed by depositing in the United States mail, prepaid to the party at the address listed below or such other address as a party may designate in writing from time to time. Notices to the County shall be sent to the following address:

    Jefferson County Public Works
    623 Sheridan Street
    Port Townsend, WA 98368

    Notices to Consultant shall be sent to the following address:
    Arnie Sugar, LG, LHG
    ~~HWA GeoSciences, Inc.~~
    21312 30th Drive SE, Suite 110
    Bothell, WA 98021 (206) 794-3130

18. Integrated Agreement. This Agreement together with attachments or addenda, represents the entire and integrated Agreement between the County and the Consultant and supersedes all prior negotiations, representations, or agreements written or oral. No representation or promise not expressly contained in this Agreement has been made. This Agreement supersedes all prior or simultaneous representations, discussions, negotiations, and agreements, whether written or oral, by the County within the scope of this Agreement. The Consultant ratifies and adopts all statements, representations, warranties, covenants, and agreements contained in its proposal, and the supporting

material submitted by the Consultant, accepts this Agreement and agrees to all of the terms and conditions of this Agreement.

19. Modification of this Agreement. This Agreement may be amended only by written instrument signed by both County and Consultant.

20. Disputes. The Parties agree to use their best efforts to prevent and resolve disputes before they escalate into claims or legal actions. Any disputed issue not resolved pursuant to the terms of this Agreement shall be submitted in writing within 10 days to the Director of Public Works or County Engineer, whose decision in the matter shall be final, but shall be subject to judicial review. If either party deem it necessary to institute legal action or proceeding to enforce any right or obligation under this Agreement, each party in such action shall bear the cost of its own attorney's fees and court costs. Any legal action shall be initiated in the Superior Court of the State of Washington for Jefferson County. The parties agree that all questions shall be resolved by application of Washington law and that the parties have the right of appeal from such decisions of the Superior Court in accordance with the laws of the State of Washington. The Consultant hereby consents to the personal jurisdiction of the Superior Court of the State of Washington for Jefferson County.

21. Section Headings. The headings of the sections of this Agreement are for convenience of reference only and are not intended to restrict, affect, or be of any weight in the interpretation or construction of the provisions of the sections or this Agreement.

23. Limits of Any Waiver of Default. No consent by either party to, or waiver of, a breach by either party, whether express or implied, shall constitute a consent to, waiver of, or excuse of any other, different, or subsequent breach by either party.

24. No Oral Waiver. No term or provision of this Agreement will be considered waived by either party, and no breach excused by either party, unless such waiver or consent is in writing signed on behalf of the party against whom the waiver is asserted. Failure of a party to declare any breach or default immediately upon the occurrence thereof, or delay in taking any action in connection with, shall not waive such breach or default.

25. Severability. Provided it does not result in a material change in the terms of this Agreement, if any provision of this Agreement or the application of this Agreement to any person or circumstance shall be invalid, illegal, or unenforceable to any extent, the remainder of this Agreement and the application this Agreement shall not be affected and shall be enforceable to the fullest extent permitted by law.

26. Binding on Successors, Heirs and Assigns. This Agreement shall be binding upon and inure to the benefit of the parties' successors in interest, heirs, and assigns.

27. No Assignment. The Consultant shall not sell, assign, or transfer any of rights obtained by this Agreement without the express written consent of the County.

28. No Third-party Beneficiaries. The parties do not intend, and nothing in this Agreement shall be construed to mean, that any provision in this Agreement is for the benefit of any person or entity who is not a party.

29. Signature in Counterparts. The parties agree that separate copies of this Agreement may be signed by each of the parties and this Agreement shall have the same force and effect as if all the parties had signed the original.

30. Facsimile and Electronic Signatures. The parties agree that facsimile and electronic signatures shall have the same force and effect as original signatures.

31. Arms-Length Negotiations. The parties agree that this Agreement has been negotiated at arms-length, with the assistance and advice of competent, independent legal counsel.

32. Public Records Act. Notwithstanding the provisions of this Agreement to the contrary, to the extent any record, including any electronic, audio, paper or other media, is required to be kept or indexed as a public record in accordance with the Washington Public Records Act, Chapter 42.56 RCW, as may hereafter be amended, the Consultant agrees to maintain all records constituting public records and to produce or assist the County in producing such records, within the time frames and parameters set forth in state law. The Consultant further agrees that upon receipt of any written public record request, Consultant shall, within two business days, notify the County by providing a copy of the request per the notice provisions of this Agreement.

DATED this _____ day of _____, 20_____.

JEFFERSON COUNTY
BOARD OF COMMISSIONERS

HWA GeoSciences, Inc.
Name of Consultant

Kate Dean, District 1

Sandy Brodahl, P.E.
Consultant Representative *(Please print)*

Heidi Eisenhour, District 2

(Signature)

Greg Brotherton, District 3

President
Title

01.31.2023
Date

Approved as to form only:

PRE-APPROVED CONTRACT FORM
Philip C. Hunsucker Date
Chief Civil Deputy Prosecuting Attorney

2/3/23
Monte Reinders, P.E. Date
Public Works Director/County Engineer

EXHIBIT A

Project Cost Estimate
Construction Inspection and Testing
Port Hadlock WRF Phase 1 - Pond only
Port Hadlock, Washington
Prepared for Monte Reinders, P.E., Jefferson County DPW

HWA GEOSCIENCES INC.
DBE/MWBE

HWA Ref: 2023-016
Task:
Date: 31-Jan-23
Prepared By: BS/AS/SG

PROPOSED WORK SCOPE:

This cost estimate is based on preliminary plans dated 8/2022 provided by the Client.
1. Plan review/design changes assistance prior to construction.
2. On-Site Borrow source evaluation - lab testing to determine suitability for various materials located across site (Client to provide samples).
3. Quarry sampling for laboratory acceptance/Proctor testing of Clay Core material for use in embankment construction.
4. Inspection and testing of compacted soils and aggregates for subgrade and pond embankment.
5. Geotechnical observation/inspection for subgrade verification, and other geotechnical needs.
6. Written field reports will be prepared for all inspections and reviewed for QC.

Material Testing - ESTIMATED HWA LABOR:

Scope of Services	2023 PERSONNEL & BILLING RATES							
	Principal IX $315.00	Geol VIII $288.00	GeoEng IV $169.00	Geol III $137.00	Geol II $110.00	Clerical $112.00	TOTAL HOURS	TOTAL AMOUNT
Aggregate Inspection and Testing, including:								
Sampling of Clay Core material, (assume 1 source)					6		6	$660
Subgrade verification for embankment foundation (assume 2 visits)				16			16	$2,192
Compaction testing of Embankment Fill/mass grading (assume 4 full weeks plus travel)					176		176	$19,360
Project Management/Geotechnical								
Preconstruction Meeting		6	6				12	$2,742
Plan Review/Design Assistance	4	4	2				10	$2,750
On-call Geotechnical Consultation Support	2	6	12				20	$4,386
QA Review, Reporting, Submittal Reviews, and Report Distribution	2	4	4			4	14	$2,906
DIRECT SALARY COST	8	20	24	16	182	4	254	**$34,996**

Material Testing - LABORATORY TESTING ESTIMATE:

LABORATORY EXPENSE DESCRIPTION	Est No.	Unit Test	TOTAL
Native (Common Borrow) from test pits Acceptance Testing (GS, SE)	8	$305	$2,440
Clay Core material Acceptance Testing (GS, SE) (assume 1 source)	1	$195	$195
Permeability Testing of proposed Clay Core Material (assume 1 source)	1	$575	$575
Proctor Tests on All Materials to be Compacted	10	$285	$2,850
LABORATORY TOTAL:			**$6,060**

EXPENSES:

EXPENSE DESCRIPTION	Total Cost
Nuclear Gauge Rental ($40/day), assuming 20 days	$800
Per diem: $113/day ($206/day in Jul/Aug), assuming 24 days (12 days in Jul/Aug)	$3,828
Mileage/ferry to and from the job site for all inspections/pickups at IRS mileage rate (7 round trips)	$585
Mileage/ferry for clay core material sampling (1 trip)	$85
EXPENSE TOTAL:	**$5,298**

ESTIMATED PROJECT TOTALS AND SUMMARY:	
Total Labor Cost	$34,996
Laboratory Testing	$6,060
Direct Expenses	$5,298
ESTIMATED TASK TOTAL:	**$46,354**

Assumptions:
1. These estimates may require adjustment due to the Contractor's rate of construction, weather delays, source changes and/or other factors beyond our control.
2. The HWA PM reserves the right to shift hours between the various subtasks as required.
3. The HWA work scope does not include safety assessment nor work pertaining to any environmental issues.
4. This cost estimate was prepared with the understanding that the Client will schedule inspection as needed.
5. All night work is charged at an 8 hour minimum segment. Night work cancelled within 12 hrs of scheduled time will be charged 4 hrs.
6. All weekend work is charged at an 4 hour minimum segment. Weekend work cancelled within 12 hrs of scheduled time will be charged 4 hrs.
7. Same-day cancellations are charged 4 hours.
8. This cost estimate assumes roadway, utility trench, HMA, and concrete will not be tested.