



Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

State of West Virginia
Purchase Order

CORRECT ORDER NUMBER MUST APPEAR
 ON ALL PACKAGES, INVOICES, AND
 SHIPPING PAPERS. QUESTIONS
 CONCERNING THIS ORDER SHOULD BE
 DIRECTED TO THE DEPARTMENT
 CONTACT.

Order Date: 05-19-2026

Order Number:	CPO 0313 9171 DEP2300000032 7	Change Order No:	3	Procurement Folder:	1047664
Document Name:	EOI - 2022 AML Contract 9 Projects - North			Reason for Modification:	
Document Description:	EOI - 2022 AML Contract 9 Projects - North			Change Order 03 To Extend and Increase Contract	
Procurement Type:	Central Purchase Order				
Buyer Name:	Joseph (Josh) E Hager III				
Telephone:	(304) 558-2306				
Email:	joseph.e.hageriii@wv.gov				
Shipping Method:	Best Way			Effective Start Date:	2023-07-20
Free on Board:	FOB Dest, Freight Prepaid			Effective End Date:	2027-12-31

VENDOR				DEPARTMENT CONTACT	
Vendor Customer Code:	000000232671			Requestor Name:	Larry T Workman
TETRA TECH INC 1538 KANAWHA BLVD E STE 110				Requestor Phone:	(304) 414-1242
CHARLESTON WV 25311				Requestor Email:	larry.t.workman@wv.gov
US				<div style="text-align: center;"> <h1>2026</h1> <p>FILE LOCATION _____</p> </div>	
Vendor Contact Phone:	304-414-0054	Extension:	103		
Discount Details:					
	Discount Allowed	Discount Percentage	Discount Days		
#1	No	0.0000	0		
#2	Not Entered				
#3	Not Entered				
#4	Not Entered				

INVOICE TO	SHIP TO
ENVIRONMENTAL PROTECTION OFFICE OF AML&R 601 57TH ST SE CHARLESTON WV 25304 US	ENVIRONMENTAL PROTECTION OFFICE OF AML&R 601 57TH ST SE CHARLESTON WV 25304 US

5/21/2026

Total Order Amount: \$8,420,830.92

Purchasing Division's File Copy

JA 5.21.26

PURCHASING DIVISION AUTHORIZATION DATE: <i>5/21/2026</i> ELECTRONIC SIGNATURE ON FILE	ATTORNEY GENERAL APPROVAL AS TO FORM DATE: <i>5/21/2026</i> ELECTRONIC SIGNATURE ON FILE	ENCUMBRANCE CERTIFICATION DATE: <i>5-22-26</i> ELECTRONIC SIGNATURE ON FILE
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5/21/2026

Extended Description:

Change Order

Change Order No 03 issued to extend the original contract to 12/31/2027 according to all items, conditions and specifications contained in the contract including all authorized change orders, along with increased pricing per the attached documentation. The extension of this contract is provided to costs to complete the original scope of work.

Effective Date of Change: 04/10/2026

Extend Contract from: 07/19/2026
To: 12/31/2027

Original Contract Price: \$7,862,806.38
Change Order 02 Increase: \$249,727.40
Change Order 03 Increase: \$308,297.14

Contract New Total: \$8,420,830.92

No other Changes

Line	Commodity Code	Quantity	Unit	Unit Price	Total Price
1	81100000	0.00000		0.000000	3440995.24
Service From	Service To	Manufacturer	Model No		

Commodity Line Description: Professional Svcs - Three Fork Creek Watershed Restoration

Extended Description:

Professional Svcs - Three Fork Creek Watershed Restoration

Line	Commodity Code	Quantity	Unit	Unit Price	Total Price
2	81100000	0.00000		0.000000	3782740.80
Service From	Service To	Manufacturer	Model No		

Commodity Line Description: Professional Svcs - Abram Creek AMD Treatment Phase II

Extended Description:

Professional Svcs - Abram Creek AMD Treatment Phase II

Line	Commodity Code	Quantity	Unit	Unit Price	Total Price
3	81100000	0.00000		0.000000	1197094.88
Service From	Service To	Manufacturer	Model No		

Commodity Line Description: Professional Svcs - Richard (Shaver) Drainage

Extended Description:

Professional Svcs - Richard (Shaver) Drainage



west virginia department of environmental protection

Division of Land Restoration
Office of Abandoned Mines Lands and Reclamation
1000 Technology Drive, Suite 3220
Fairmont, WV 26554
Phone: 304-842-1900
Fax: 304-842-1928

Harold D. Ward, Cabinet Secretary
dep.wv.gov

April 9, 2026

TETRA TECH INC
Attn: Michael S. Kearns, M.S., P.E., P.S.
1538 Kanawha Blvd E STE 110
Charleston, WV 25311

Re: Change Order # 3
Project Name: 2022 AML Contract 9 Projects - North
Permit Number: N/A
Contract Number: CPO DEP23*32

Dear Mr. Kearns:

The WVDEP Office of Abandoned Mine Lands and Reclamation is issuing a change order to increase and extend the original contract according to all terms, conditions, prices, and specifications contained in the original contract including all authorized change orders as shown on Attachment A.

After the award of the original contract, several costs became known that could not have been reasonably anticipated but yet are required to complete the original scope. These include additional Design work affecting Commodity Line 1 Three Fork Creek Watershed Restoration Phase II and additional Design work affecting Commodity Line 2 (particularly converting the entire design to Sodium Hydroxide). Backup and further explanation of these costs can be found on the subsequent pages of backup. Note that overestimated quantities no longer needed have also been reduced to keep the encumbered funds as accurate as possible.

The effective date of the change order is April 10, 2026.

Due to both the redesign for Abrams and greater factors than originally anticipated for Three Forks, the design contract for TetraTech will require an extension. It is requested that the Purchase Order end date be extended to December 31, 2027.

Commodity Line 1: Increased, \$107,025.79. The additional professional services and associated project works necessary to be provided for each impacted project Task and Sub-Task to perform the additional work stated above have been provided and discretized in the Consultant's attached backup. Additional quantities are necessary as well as additional Sub-Tasks not previously included in the original contract – these are all clearly shown in the following backup. The total price for Commodity Line 1 including this Change Order #3 will be \$3,440,995.24. Commodity Line 2: Increased, \$201,271.35. The additional professional services and associated project works necessary to be provided for each impacted project Task and Sub-Task to perform the additional work stated above have been provided and discretized in the Consultant's attached backup. Additional quantities are necessary as well as additional Sub-Tasks not previously included in the original contract – these are all clearly shown in the following backup. The total price for Commodity Line 2 including this Change Order #3 will be \$3,782,740.80. Commodity

Re: Change Order # 3
Purchase Order No.: CPO DEP23*32

Line 3: NO CHANGE. The total contract sum including this Change Order #3 will be \$8,420,830.92.

Change Order Approved by WVDEP:

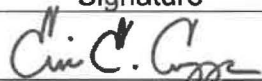
Name	Title	Signature	Date
Troy H. Schell, P.E.	Northern Design Administrator	Troy H. Schell <small>Digitally signed by: Troy H. Schell DN: CN = Troy H. Schell, email = troy.h.schell@wv.gov C = US Date: 2026.04.13 12:21:11 -04'00'</small>	
Eric Simpson, P.E.	AMLR Northern Regional Engineer	Eric Simpson <small>Digitally signed by Eric Simpson Date: 2026.04.13 20:04:27 -04'00'</small>	
Travis Parsons	Deputy Director AMLR		

(signature of Deputy Director or Director is ONLY required when change order(s) total increase exceeds 10% when compared to original contract amount)

Completion of this change order approval process requires

- your signature below
- a current copy of your contractor's license
- a current copy of your insurance certificate
 - WVDEP must be listed as additional insured and the contract number must be listed in the extended description
- a Bond Rider in the amount of [Click or tap here to enter text.](#)

I am in agreement with the changes as outlined in this letter and Attachment A.
(vendor signature required below)

Name	Title	Signature	Date
Eric E. Cavazza, P.E.	VP, Legacy Coal Restoration		04/09/2026

Please email the signed documents to depdlrprocurement@wv.gov within 7 days of receipt of this letter.

If a Bond Rider is required, please mail the original to:

WV Dept. of Environmental Protection
Office of Abandon Mine Lands
Attn: Melanie Simpson
601 57th Street SE
Charleston, WV 25304

cc: Melanie Simpson

Promoting a healthy environment.

**West Virginia Department of Environmental Protection
2022 AML Contract 9 Projects – North**

Change Order No 3

March 17, 2026

Tetra Tech, Inc (Teta Tech) is hereby submitting Change Order No 3 due to changes in the scope of the Contract 9 Project, specifically for the Three Fork and Abram Creek Projects. The changes required by the project and requested by WVDEP are as follows:

PROJECT 1: THREE FORK CREEK

Time was added under the sections below to account for activities proposed or performed to date regarding out-of-scope services and change of scope investigations for the Three Fork sites. To complete the projects and meet the new requirements, the following work is anticipated:

Task III Design:

A. Site Reconnaissance, Investigations and Proposal Preparation

- Time was added under this section to account for activities performed to date regarding out-of-scope services for the Raccoon Doser Site water supply and change of scope investigations for the Three Forks sites. "The original proposal stated, "In addition, the projects will include extension of water lines, communications, and electrical power where required for the proposed lime dosers. The water line extensions and communication lines will provide services to the new lime doser facilities and potentially provide access to service for the local landowner's use as approved by the WVDEP." The initial scope did not include optimizing the water line routes based on the number of potential residential service connections that could be added. The optimization beyond what was originally proposed required the additional studies detailed below:
 - Investigation of alternative waterline supply options for the Raccoon Creek site included extensions from the South Preston Highway/WV26 (Tunnelton System) and from Concord Road (Kingwood). At the request of WVDEP, Tetra Tech re-evaluated supply and route options to provide maximum public benefit. This included estimated construction costs based on individual quantities for pipe, air release and PRV vaults, fire hydrants, backfill quantities, WVDOH ROW encroachment requirements (permitting, inspection, and backfill), road bores, stream crossings, CSX RR fees for permitting and construction, and horizontal directional drilling requirements. These estimates were provided in line-item unit cost format.

- Preliminary cost estimates and potential service connections for each alternative were tabulated for comparison and provided to WVDEP. Related investigations included contacts with representatives of the Denver Water Association (supplied by Tunnelton), Tunnelton Water Department (supplied by Rowlesburg), Rowlesburg Water Works, and CSX railroad.
- Additionally, at request of Kingwood and WVDEP, Tetra Tech investigated the feasibility of a third option not included in the original proposal, which was a 5-mile extension from the Kingwood system at WV Route 92. This included preparation of a conceptual layout with estimated potential for added public service connections, attendance at two Teams meetings with follow up as needed for completion of a water application to the City of Kingwood.
- Time spent preparing scope and cost estimates for Change Order 3.

Task III Design:

C. Geotechnical

- Geotechnical reports and preliminary calculations based on the supply of a steel control building structure required minor revision and resealing based on the enlarged dimensions of the proposed control buildings and corresponding estimations of dead, live, and environmental loads (snow, wind, seismic) for use in structural design.

Task III Design:

D. Analysis and Design

- Request to changes to the primary control building material from steel to concrete. This required additional coordination and design investigations with Chemco and pre-cast building manufacturers to determine the basis of design options including exterior and interior wall treatments, framing and insulation, roof configuration, and structural anchorage.
- Control Building redesign due to the requests to add the following: a restroom, roll up door, an additional man door (total of two), grinder pump with a gravity bypass, safety shower with eye wash station, water heater, and wastewater holding tank with capacity for the added fixtures. The resulting changes to the building footprint and weight necessitated revisions to the foundation design, geometry, and steel reinforcement requirements. Previous lime treatment system building designs for WVDEP did not include additional doors, hot water heaters, or eye wash stations. These were not included in conceptual submittals.
- The added doorways and plumbing fixtures increased the required dimensions of the control building, which required shifting the control building and silo treatment systems on each site to provide clearances and access, Lime system structure locations

were adjusted as needed to maintain lime truck turning radii and access to the fill stations, avoid encroachments to stream banks or slopes, insure access to the propane tanks and emergency generators, and maintain alignment of slurry discharge lines and discharges.

- Design of drainage lines for the added eye wash, grinder pump and bypass, restroom plumbing fixtures (commode & sink) , restroom floor drain, and connection to the wastewater vault. Drainage design includes clearances between piping and concrete foundations, especially for the pressure and gravity discharge lines to and from the grinder pumps and to the wastewater vaults, but also to reroute all drainage pipes for the revised building layout with added drains from the restrooms.
- Electrical design changes to wiring and backup generators are required due to added electrical equipment including Control Building heating system capable of heating with one unit out of service, increased heating and ventilation requirements due to increased control building size, and additional heat and ventilation for the restroom. Additional lighting, hot water tank, grinder pump, & door opener to be added to control panel circuits and rechecking the adequacy of the power supply and backup generator for all.
- Designing the photometric plan requirements and additional electric heating units.
- Design of reinforced concrete structures across each stream near the points of treatment.
- Additional design time will be required to establish proper luminaire type, installation height, and location to satisfy both on-site and project limit photometric requirements.

Task III Design:

E. Preparation of Plans, Specifications, and Engineers Estimate

- The restroom addition requires design details and sections for a wastewater holding tank and piping with adequate depth to achieve the required storage volume and avoid conflicts with concrete foundations and other pipes. Separate wall partitions, ventilation, and heating requirements for the restrooms are also required.
- Civil site design drawings to reflect the enlarged control building with revisions including relocation of outdoor pole mounted lights, routing of pipelines and utilities, spacing of propane tanks and generators, enlargement of fencing, relocation and resizing of fence gates, and modifications to site grading.
- Development of details for the grinder pump and wastewater vault based on required design flows and spatial clearances. Requested change for the pH monitoring stations from vertical HDPE 'manhole' type structures with lids to 5'x5' concrete structures as used at the Maple Run Doser site. This requires changes to the drawings and specifications to reflect the new concrete structure with PVC housing for each of the three probes. The details developed for Three Forks will also be used on Abrams Creek. Relocation of the upstream monitoring station at the South Birds Creek site due to complete removal of the intake, which was previously to have been retained.

- Drawing and specification changes to include the enlargement of the control building to include the restroom, roll up door, grinder pump with a gravity bypass, sanitary holding tank, eye wash station, water heater, building anchorage and wall covering details, and minor secondary additions such as water discharging from the eye wash, commode and vanity sink for the restroom.
- Drainage drawings and details to be developed to include waste collection requirements for floor drains and drainage pipe from the restroom, grinder pump and by-pass, eye wash, and wastewater collection tank.
- The project specifications, drawings, and details require revision due to the change from a steel to concrete control building
- The proposed water extension to the Squires Creek Site from Dogtown Road increases the length of the waterline extension from 1,500 feet to 2 miles. This requires adding the new waterline to the drawings, with some overlap with the creation of drawing figures for submission to the WVDOT for the DOH utility permit and to WVBPH for the water permit.
- Adding a photometric plan to the electrical plans. Adding additional redundant electric heaters, slurry pumps, and detectors for CO, fire and freezing conditions to the plans and specs.
- Adding concrete weir structures across each stream to the plans (plan views, sections, and details) and the specifications.
- Additional time will be required to set-up photometric sheet, establish conduit routes, prepare details, develop special provisions, and tabulate quantities to prepare an estimated cost of construction.

Task III Design:

F-c Permitting, USACE

- Additional time for permitting stream encroachments associated with the full width concrete structures to facilitate flow measurements.

Task III Design:

J Project Manager/Task Oversight

- Previous and future required time/costs for Supervision, Coordination, and Communications due to changes of scope of the project. Includes but not limited to:
 - Evaluation of the proposed changes regarding the cost and timing of the changes on the final design and schedule with the initial optional considerations.
 - Additional client and inter-company communications/coordination/meetings addressing/evaluating proposed out-of-scope designs.

- QA/QC of revised drawings during development of preliminary (draft) and final review of the proposed changes to the contract documents.

PROJECT 2: ABRAM CREEK

Due to the dramatic change in treatment systems from Dry-Hydrated Lime to Sodium Hydroxide for the Abram Creek, Little Creek, and Morgan 25 Doser sites, the description of the scope of work and associated manhours depicts the work required to complete the design, specifications, and estimates for each project.

Task III: Design

A. Site Reconnaissance, Investigations and Proposal Preparation

- Time was added under this section to account for activities, investigations, and preliminary work performed to prepare Change Order 3.
 - WVDEP requested 3 Tetra Tech representatives attend a site review of two doser sites (one Sodium Hydroxide, one lime slurry) when considering a change from Dry Hydrated Lime to Sodium Hydroxide systems for the Abram, Little Creek, and Morgan 25 doser sites.
 - Due to the limited recent water quality samples available, one additional water sample will be taken at the Abram, Little Creek, and Morgan 25 sites due to trending reductions in acid loads and increasing pH. An additional sample will provide three recent data points (within 5 years) to calculate minimum and maximum dosing requirements to determine pump size requirements. These samples will undergo laboratory testing to determine the chemical composition and requirements to treat the water.
 - Due to the increase in size and function of the proposed buildings, additional investigation and coordination with a pre-cast panel building manufacturer will be required to establish a basis of design for the building and to make accommodations and coordination for the building foundation and erection clearances.
 - Tetra Tech had previously coordinated with Mon Power who had completed service designs to provide anticipated electrical capacity to each site. With a change in load requirements, additional coordination will be required to determine if existing designs are adequate or if additional revisions to the supply lines will be required.
 - Time spent to prepare scope and cost estimates for Change Order 3.

C. Geotechnical Investigation:

- Due to the change in building size and anticipated loadings by changing from a dry hydrated lime to Sodium Hydroxide treatment system, a review of the previously completed geotechnical report will need to be performed to verify previous limitations, recommendations, and design parameters are still applicable for the revised foundation design.

D. Analysis and Design:

- Time was added under this section to reflect the additional design requirement to accommodate the change from dry-hydrated lime to a Sodium Hydroxide treatment system.
 - The previous doser designs for the Abram Creek, Little Creek, and Morgan 25 doser sites had been completed to the 60% stage which included final design calculations for the foundation. Due to the increase in building size and loads, new foundation calculations and a review of the geotechnical report will be required to design the new building foundation.
 - Changes in electrical loads due to increased heating loads for the larger building, inclusion of multiple pumps, mixing tank, grinder pump, and electric water heater will require recalculation of the necessary service rating and emergency generator size. Since Mon Power has already completed designs to provide service to all three affected doser sites, additional coordination will be needed to accommodate the revised service requirements.

E. Preparation of Plans, Specifications, and Engineers Estimate

- Time was added to this section to complete plan, specification, and construction cost estimate revisions and additional engineering efforts to complete the change from dry hydrated lime to Sodium Hydroxide dosers and modify the Blackwater plans and specifications to modify demolition activities.
 - For each site, we will need to develop drawings for the Sodium Hydroxide treatment systems. Much of this will be similar for all three sites with minor tweaks for site specific requirements.
 - The request by WVDEP to include internal bathrooms, mixing tank, NaOH tanks, emergency shower, and truck parking inside the building along with clearance requirements to service/remove the NaOH tanks required extensive, complex design from scratch. The request to have the tanks be able to gravity drain through a needle valve also increased building height. Increasing building height resulted in a larger garage door and increased heating requirements. The result is a design that will involve extensive

work in both the plans and specifications to adequately address these requirements.

- The foundation details for the Abram Creek, Little Creek, and Morgan 25 dosers had been completed prior to the decision to change doser type. Due to the increased building we need to re-design the pad foundation detail.
- During review of the conceptual NaOH layout, WVDEP requested that the previously proposed gravel yard area adjacent to the building that contained the emergency generator and propane tanks be made of concrete rather than gravel for future maintenance concerns. This will require removal of the generator and propane tank foundation details in the plans and development of a new detail for the concrete yard. This will be developed for one site and copied to the other two NaOH sites.
- Due to the changes in chemical delivery system, size of the building, and additional amenities, the electrical plans will need revised and updated. Anticipated changes include changing from motors for shakers and lime screws to pumps, a mixing tank, hot water heater, grinder pump, additional heaters for the larger building, additional interior lighting, additional exterior lighting, additional wall outlets (inside and outside) and the electric controlled garage door.
- For the dry hydrated lime doser facilities, the limit of plumbing at the sites was anticipated to be limited to placement of a frost-free yard hydrant to use for site clean-up. With the request to include a bathroom and change to liquid sodium hydroxide, plumbing layouts and a separate section in the specifications will need to be developed to include water distribution and waste collection requirements. This will include a grinder pump with a gravity bypass, holding tank, toilet, utility sink, water heater, and flow to the mixing tank. The previously proposed yard hydrant will be replaced with hose bibs both inside and outside the building. Previously, only an eye wash station similar to that proposed for the Pell Road doser was anticipated. With the change to Sodium Hydroxide, a full safety shower was also requested by WVDEP requiring additional interior room, a water mixing valve, and floor drain.
- General notes will need revised to eliminate dry hydrated lime specific notes and include Sodium Hydroxide specific notes.
- Details will need revised and expanded to include new site elements such as the mixing tank, pump support platform, sump under the pumps, sidewalk, grinder pump, and holding tank.
- New project quantities and cost estimate will need developed based on the new plans.

- The following revisions will be needed to complete the Blackwater site based on the updated project goals:
 - The Blackwater site plan and specifications will need revised to identify the doser to be dismantled for transport to MDDEP and make sure the site can accommodate the necessary activities and eliminate removal of the treatment building. This will include utility investigation and modifications to support the remaining building.

F-f Permitting – Above Ground Storage Tank Permit

- This is a new section for preparation of permit applications and coordination to acquire Above Ground Storage Tanks for the Abram, Little Creek, and Morgan 25 sites.
 - Above Ground Storage Tank permits will be required for the Sodium Hydroxide tanks at all three sites.

J. Project Manager/Task Oversight

- Previous and future required time/costs for Supervision, Coordination, and Communications due to changes of scope for three re-envisioned doser sites. Includes but not limited to:
 - Evaluation of the proposed changes regarding the cost and timing of the changes on the final design and schedule with the initial optional considerations.
 - Additional client and inter-company communications /coordination /meetings addressing/evaluating proposed out-of-scope designs.
 - QA/QC of revised drawings during development of preliminary (draft) and final review of the proposed changes to the contract documents.

TOTAL CONTRACT 9 CHANGE ORDER NO 3 REQUEST:

- Three Fork Creek Restoration Project Total Change\$107,025.79
 - Abram Creek AMD Treatment Phase II Project.. \$459,607.35
 - Abram Creek Credit-\$258,336.00
- Abram Creek AMD Treatment Phase II Project Total Change..... \$201,271.35

TOTAL NET CHANGE ORDER No 3..... \$308,297.14

ORIGINAL

CO2 units

CO3 units

Total Revised Units

Combined total funding

Project Name: Three Fork Treatment TOTAL										
COST PROPOSAL SCHEDULE FOR CONTRACT 9										
TASK		DESCRIPTION	UNIT	CONTRACT QUANTITY	UNIT BID PRICE	TOTAL PRICE				
TASK 1: NEPA & ESA										
A		Agency Coordinations (including Office Work, AMLNET, etc.)								
	1	Senior Technical Director	HR	12.00	\$318.55	\$3,822.60		0.00	12.00	\$3,822.60
	2	Engineering Technical Director	HR	0.00	\$286.35	\$0.00		0.00	0.00	\$0.00
	3	Project Manager / Senior Engineer	HR	12.00	\$247.25	\$2,967.00		0.00	12.00	\$2,967.00
	4	Senior Engineer	HR	0.00	\$220.80	\$0.00		0.00	0.00	\$0.00
	5	Geologist/Scientist III	HR	0.00	\$150.65	\$0.00		0.00	0.00	\$0.00
	6	Engineer II	HR	36.00	\$131.10	\$4,719.60		0.00	36.00	\$4,719.60
	7	Scientist IV	HR	36.00	\$125.35	\$4,512.60		0.00	36.00	\$4,512.60
	8	CADD Designer	HR	48.00	\$142.60	\$6,844.80		0.00	48.00	\$6,844.80
	9	Vehicle	Day	0.00	\$150.00	\$0.00		0.00	0.00	\$0.00
	10	Mileage	Mile	0.00	\$0.655	\$0.00		0.00	0.00	\$0.00
	11	Per Diem	Day	0.00	\$150.00	\$0.00		0.00	0.00	\$0.00
B		Public Involvement (Services Not Being Provided)								
	1	Senior Technical Director	HR	0.00	\$318.55	\$0.00		0.00	0.00	\$0.00
	2	Engineering Technical Director	HR	0.00	\$286.35	\$0.00		0.00	0.00	\$0.00
	3	Project Manager / Senior Engineer	HR	0.00	\$247.25	\$0.00		0.00	0.00	\$0.00
	4	Senior Engineer	HR	0.00	\$220.80	\$0.00		0.00	0.00	\$0.00
	5	Geologist/Scientist III	HR	0.00	\$150.65	\$0.00		0.00	0.00	\$0.00
	6	Engineer II	HR	0.00	\$131.10	\$0.00		0.00	0.00	\$0.00
	7	Scientist IV	HR	0.00	\$125.35	\$0.00		0.00	0.00	\$0.00
	8	CADD Designer	HR	0.00	\$142.60	\$0.00		0.00	0.00	\$0.00
	9	Vehicle	Day	0.00	\$150.00	\$0.00		0.00	0.00	\$0.00
	10	Mileage	Mile	0.00	\$0.655	\$0.00		0.00	0.00	\$0.00
	11	Per Diem	Day	0.00	\$150.00	\$0.00		0.00	0.00	\$0.00
	12	Fees	Per Fee	0.00	\$50.00	\$0.00		0.00	0.00	\$0.00
C		CATEX / EA / FONSI / EIS								
	1	Senior Technical Director	HR	0.00	\$318.55	\$0.00		0.00	0.00	\$0.00
	2	Engineering Technical Director	HR	6.00	\$286.35	\$1,718.10		0.00	6.00	\$1,718.10
	3	Project Manager / Senior Engineer	HR	0.00	\$247.25	\$0.00		0.00	0.00	\$0.00
	4	Senior Engineer	HR	24.00	\$220.80	\$5,299.20		0.00	24.00	\$5,299.20
	5	Geologist/Scientist III	HR	0.00	\$150.65	\$0.00		0.00	0.00	\$0.00
	6	Engineer II	HR	24.00	\$131.10	\$3,146.40		0.00	24.00	\$3,146.40
	7	Scientist IV	HR	120.00	\$125.35	\$15,042.00		0.00	120.00	\$15,042.00
	8	CADD Designer	HR	60.00	\$142.60	\$8,556.00		0.00	60.00	\$8,556.00
	9	Vehicle	Day	6.00	\$150.00	\$900.00		(4.00)	2.00	\$300.00
	10	Mileage	Mile	0.00	\$0.655	\$0.00		0.00	0.00	\$0.00
	11	Per Diem	Day	0.00	\$150.00	\$0.00		0.00	0.00	\$0.00
D	1	Project Manager/Task Oversight	HR	100.00	\$247.25	\$24,725.00		0.00	100.00	\$24,725.00

			Task I Sub-Total				\$82,253.30					\$81,653.30
TASK II: REALTY												
A			Exploratory Rights of Entry (EROE)									
	1		Project Manager / Senior Engineer	HR	28.00	\$247.25	\$6,923.00		0.00	28.00		\$6,923.00
	2		Senior Engineer	HR	0.00	\$220.80	\$0.00		0.00	0.00		\$0.00
	3		CADD Designer	HR	0.00	\$142.60	\$0.00		0.00	0.00		\$0.00
	4		Engineer II	HR	72.00	\$131.10	\$9,439.20		(5.75)	66.25		\$8,685.38
	5		Realty Agent		0.00				0.00	0.00		\$0.00
		a	Courthouse Work	HR	80.00	\$131.10	\$10,488.00		0.00	80.00		\$10,488.00
		b	Field Reconnaissance / Landowner Correspondence	HR	270.00	\$131.10	\$35,397.00		0.00	270.00		\$35,397.00
		c	Office Work / AMLNET	HR	112.00	\$131.10	\$14,683.20		(17.75)	94.25		\$12,356.18
	6		Vehicle	Day	26.00	\$150.00	\$3,900.00		0.00	26.00		\$3,900.00
	7		Mileage	Mile	0.00	\$0.655	\$0.00		0.00	0.00		\$0.00
	8		Per Diem	Day	20.00	\$150.00	\$3,000.00		(14.00)	6.00		\$900.00
B			Construction Rights of Entry (CROE)									
	1		Project Manager / Senior Engineer	HR	12.00	\$247.25	\$2,967.00		0.00	12.00		\$2,967.00
	2		Senior Engineer	HR	0.00	\$220.80	\$0.00		0.00	0.00		\$0.00
	3		CADD Designer	HR	36.00	\$142.60	\$5,133.60		0.00	36.00		\$5,133.60
	4		Engineer II	HR	24.00	\$131.10	\$3,146.40		0.00	24.00		\$3,146.40
	5		Realty Agent									
		a	Courthouse Work	HR	79.00	\$131.10	\$10,356.90		0.00	79.00		\$10,356.90
		b	Field Reconnaissance / Landowner Correspondence	HR	115.00	\$131.10	\$15,076.50		0.00	115.00		\$15,076.50
		c	Office Work / AMLNET	HR	80.00	\$131.10	\$10,488.00		0.00	80.00		\$10,488.00
	6		Vehicle	Day	12.00	\$150.00	\$1,800.00		0.00	12.00		\$1,800.00
	7		Mileage	Mile	0.00	\$0.655	\$0.00		0.00	0.00		\$0.00
	8		Per Diem	Day	8.00	\$150.00	\$1,200.00		0.00	8.00		\$1,200.00
C			Pre-Bid Conference									
	1		Project Manager / Senior Engineer	HR	0.00	\$247.25	\$0.00		0.00	0.00		\$0.00
	2		Engineer II	HR	0.00	\$131.10	\$0.00		0.00	0.00		\$0.00
	3		Realty Agent	HR	30.00	\$131.10	\$3,933.00		0.00	30.00		\$3,933.00
	4		Vehicle	Day	4.00	\$150.00	\$600.00		0.00	4.00		\$600.00
	5		Mileage	Mile	0.00	\$0.655	\$0.00		0.00	0.00		\$0.00
	6		Per Diem	Day	3.00	\$150.00	\$450.00		0.00	3.00		\$450.00
D			Pre-Construction Conference									
	1		Project Manager / Senior Engineer	HR	0.00	\$247.25	\$0.00		0.00	0.00		\$0.00
	2		Engineer II	HR	0.00	\$131.10	\$0.00		0.00	0.00		\$0.00
	3		Realty Agent	HR	30.00	\$131.10	\$3,933.00		0.00	30.00		\$3,933.00
	4		Vehicle	Day	4.00	\$150.00	\$600.00		0.00	4.00		\$600.00
	5		Mileage	Mile	0.00	\$0.655	\$0.00		0.00	0.00		\$0.00
	6		Per Diem	Day	3.00	\$150.00	\$450.00		0.00	3.00		\$450.00
E	1		Direct Cost & Fees	Each	3.00	\$500.00	\$1,500.00		0.00	3.00		\$1,500.00
F	1		Project Manager/Task Oversight	HR	100.00	\$247.25	\$24,725.00		0.00	100.00		\$24,725.00

			Task II Sub-Total				\$170,189.80					\$165,008.95
TASK III: DESIGN												
A		SITE RECONNAISSANCE, INVESTIGATIONS AND PROPOSAL PREPARATION										
	1	Senior Technical Director	HR	31.00	\$318.55	\$9,875.05		2.00	33.00			\$10,512.15
	2	Engineering Technical Director	HR	0.00	\$286.35	\$0.00		0.00	0.00			\$0.00
	3	Project Manager / Senior Engineer	HR	310.00	\$247.25	\$76,647.50		24.00	334.00			\$82,581.50
	4	Senior Engineer	HR	60.00	\$220.80	\$13,248.00		8.00	68.00			\$15,014.40
	5	Geologist/Scientist III	HR	232.00	\$150.65	\$34,950.80		0.00	232.00			\$34,950.80
	6	Engineer II	HR	165.00	\$131.10	\$21,631.50		0.00	165.00			\$21,631.50
	7	Scientist IV	HR	286.00	\$125.35	\$35,850.10		0.00	286.00			\$35,850.10
	8	CADD Designer	HR	22.00	\$142.60	\$3,137.20		0.00	22.00			\$3,137.20
	9	Vehicle	Day	14.00	\$150.00	\$2,100.00		(2.00)	12.00			\$1,800.00
	10	Mileage	Mile	0.00	\$0.655	\$0.00		0.00	0.00			\$0.00
	11	Per Diem	Day	15.00	\$150.00	\$2,250.00		(13.00)	2.00			\$300.00
	12	Water Sampling	Each	68.00	\$155.00	\$10,540.00		0.00	68.00			\$10,540.00
B		SURVEYING & MAPPING										
	1	Project Manager / Senior Engineer	HR	40.00	\$247.25	\$9,890.00		0.00	40.00			\$9,890.00
	2	Senior Engineer	HR	0.00	\$220.80	\$0.00		0.00	0.00			\$0.00
	3	CADD Designer	HR	72.00	\$142.60	\$10,267.20		0.00	72.00			\$10,267.20
	4	Survey Project Manager	HR	21.00	\$129.95	\$2,728.95		0.00	21.00			\$2,728.95
	5	Professional Surveyor	HR	90.00	\$129.95	\$11,695.50		0.00	90.00			\$11,695.50
	6	Surveyor CADD	HR	161.00	\$87.40	\$14,071.40		0.00	161.00			\$14,071.40
	7	Researcher	HR	55.00	\$89.70	\$4,933.50		0.00	55.00			\$4,933.50
	8	Utility Coordinator	HR	24.00	\$89.70	\$2,152.80		0.00	24.00			\$2,152.80
	9	R/W and Survey Technician	HR	81.00	\$87.40	\$7,079.40		0.00	81.00			\$7,079.40
	10	Survey Crew Chief	HR	280.00	\$85.10	\$23,828.00		0.00	280.00			\$23,828.00
	11	Crew Member	HR	280.00	\$59.80	\$16,744.00		0.00	280.00			\$16,744.00
	12	Three Fork Rock Robotic (UAV Registration)	Each	3.00	\$325.83	\$977.49		0.00	3.00			\$977.49
	13	Three Fork Aerotas (Aerial Photo Stitching)	Each	3.00	\$223.10	\$669.30		0.00	3.00			\$669.30
	14	Three Fork T3 Global LIDAR Processing	Each	3.00	\$7,245.00	\$21,735.00		0.00	3.00			\$21,735.00
	15	Mileage	Mile	2345.00	\$0.655	\$1,535.98		0.00	2345.00			\$1,535.98
	16	Survey Crew Per Diem	Day	54.00	\$172.50	\$9,315.00		0.00	54.00			\$9,315.00
	17	Research - Costs - Deeds	Each	75.00	\$4.60	\$345.00		0.00	75.00			\$345.00
	18	Research - Costs - Assessments	Each	59.00	\$1.15	\$67.85		0.00	59.00			\$67.85
	19	Research Costs - Recorded plans	Each	8.00	\$9.20	\$73.60		0.00	8.00			\$73.60
C		GEOTECHNICAL INVESTIGATION										
	1	Project Manager / Senior Engineer	HR	28.00	\$247.25	\$6,923.00		0.00	28.00			\$6,923.00
	2	Geotechnical Engineer/Geologist	HR	140.00	\$150.65	\$21,091.00		0.00	140.00			\$21,091.00
	3	Mobilization / Demobilization per site	Each	3.00	\$4,220.50	\$12,661.50		0.00	3.00			\$12,661.50
	4	Soil Augering-Cont SPT	LF	840.00	\$43.70	\$36,708.00		0.00	840.00			\$36,708.00
	5	Rock Core Set Up	Each	20.00	\$258.75	\$5,175.00		0.00	20.00			\$5,175.00
	6	Rock Coring	LF	200.00	\$51.75	\$10,350.00		0.00	200.00			\$10,350.00
	7	Heavy Equipment	HR	0.00	\$0.00	\$0.00		0.00	0.00			\$0.00
	8	Drill Crew Per Diem	Day	8.00	\$575.00	\$4,600.00		0.00	8.00			\$4,600.00

	9	Reclamation per site	Each	3.00	\$9,123.33	\$27,369.99		(2.00)	1.00	\$9,123.33
	10	Boring Logs/Geology	HR	32.00	\$150.65	\$4,820.80		0.00	32.00	\$4,820.80
	11	Geotechnical Investigation Report per site	Each	3.00	\$12,900.00	\$38,700.00		(1.00)	2.00	\$25,800.00
	12	Vehicle	Day	22.00	\$150.00	\$3,300.00		0.00	22.00	\$3,300.00
	13	Mileage	Mile	0.00	\$0.655	\$0.00		0.00	0.00	\$0.00
	14	Per Diem	Day	16.00	\$150.00	\$2,400.00		0.00	16.00	\$2,400.00
	15	Senior Engineer	HR	0.00	\$220.80			4.00	4.00	\$883.20
D		ANALYSIS AND DESIGN								
	1	Senior Technical Director	HR	12.00	\$318.55	\$3,822.60		0.00	12.00	\$3,822.60
	2	Engineering Technical Director	HR	150.00	\$286.35	\$42,952.50		0.00	150.00	\$42,952.50
	3	Project Manager / Senior Engineer	HR	60.00	\$247.25	\$14,835.00		40.00	100.00	\$24,725.00
	4	Senior Engineer	HR	0.00	\$220.80	\$0.00		128.00	128.00	\$28,262.40
	5	Geologist/Scientist III	HR	0.00	\$150.65	\$0.00		0.00	0.00	\$0.00
	6	Engineer II	HR	30.00	\$131.10	\$3,933.00		16.00	46.00	\$6,030.60
	7	Scientist IV	HR	0.00	\$125.35	\$0.00		0.00	0.00	\$0.00
	8	CADD Designer	HR	24.00	\$142.60	\$3,422.40		151.00	175.00	\$24,955.00
	9	Vehicle	Day	20.00	\$150.00	\$3,000.00		0.00	20.00	\$3,000.00
	10	Mileage	Mile	0.00	\$0.655	\$0.00		0.00	0.00	\$0.00
	11	Per Diem	Day	0.00	\$150.00	\$0.00		0.00	0.00	\$0.00
E		PREPARATION OF PLANS, SPECIFICATIONS AND ENGINEERS ESTIMATE								
	1	Senior Technical Director	HR	36.00	\$318.55	\$11,467.80		0.00	36.00	\$11,467.80
	2	Engineering Technical Director	HR	72.00	\$286.35	\$20,617.20		0.00	72.00	\$20,617.20
	3	Project Manager / Senior Engineer	HR	193.00	\$247.25	\$47,719.25		60.00	253.00	\$62,554.25
	4	Senior Engineer	HR	716.00	\$220.80	\$158,092.80		162.00	878.00	\$193,862.40
	5	Geologist/Scientist III	HR	0.00	\$150.65	\$0.00		8.00	8.00	\$1,205.20
	6	Engineer II	HR	72.00	\$131.10	\$9,439.20		12.00	84.00	\$11,012.40
	7	Scientist IV	HR	0.00	\$125.35	\$0.00		0.00	0.00	\$0.00
	8	CADD Designer	HR	511.00	\$142.60	\$72,868.60		342.00	853.00	\$121,637.80
	9	Vehicle	Day	6.00	\$150.00	\$900.00		0.00	6.00	\$900.00
	10	Mileage	Mile	0.00	\$0.655	\$0.00		0.00	0.00	\$0.00
	11	Per Diem	Day	0.00	\$150.00	\$0.00		0.00	0.00	\$0.00
F-a		PERMITTING WYDEP Construction Stormwater								
	1	Senior Technical Director	HR	10.00	\$318.55	\$3,185.50		(6.00)	4.00	\$1,274.20
	2	Engineering Technical Director	HR	0.00	\$286.35	\$0.00		0.00	0.00	\$0.00
	3	Project Manager / Senior Engineer	HR	32.00	\$247.25	\$7,912.00		0.00	32.00	\$7,912.00
	4	Senior Engineer	HR	104.00	\$220.80	\$22,963.20		0.00	104.00	\$22,963.20
	5	Geologist/Scientist III	HR	0.00	\$150.65	\$0.00		0.00	0.00	\$0.00
	6	Engineer II	HR	12.00	\$131.10	\$1,573.20		0.00	12.00	\$1,573.20
	7	Scientist IV	HR	140.00	\$125.35	\$17,549.00		0.00	140.00	\$17,549.00
	8	CADD Designer	HR	104.00	\$142.60	\$14,830.40		0.00	104.00	\$14,830.40
	9	Vehicle	Day	0.00	\$150.00	\$0.00		0.00	0.00	\$0.00
	10	Mileage	Mile	0.00	\$0.655	\$0.00		0.00	0.00	\$0.00
	11	Per Diem	Day	0.00	\$150.00	\$0.00		0.00	0.00	\$0.00

F-b		PERMITTING USACE								
	1	Senior Technical Director	HR	10.00	\$318.55	\$3,185.50		(10.00)	0.00	\$0.00
	2	Engineering Technical Director	HR	0.00	\$286.35	\$0.00		0.00	0.00	\$0.00
	3	Project Manager / Senior Engineer	HR	24.00	\$247.25	\$5,934.00		0.00	24.00	\$5,934.00
	4	Senior Engineer	HR	48.00	\$220.80	\$10,598.40		15.00	63.00	\$13,910.40
	5	Geologist/Scientist III	HR	0.00	\$150.65	\$0.00		0.00	0.00	\$0.00
	6	Engineer II	HR	0.00	\$131.10	\$0.00		0.00	0.00	\$0.00
	7	Scientist IV	HR	96.00	\$125.35	\$12,033.60		(56.00)	40.00	\$5,014.00
	8	CADD Designer	HR	24.00	\$142.60	\$3,422.40		(16.00)	8.00	\$1,140.80
	9	Vehicle	Day	0.00	\$150.00	\$0.00		0.00	0.00	\$0.00
	10	Mileage	Mile	0.00	\$0.655	\$0.00		0.00	0.00	\$0.00
	11	Per Diem	Day	0.00	\$150.00	\$0.00		0.00	0.00	\$0.00
F-c		PERMITTING WVDOH								
	1	Senior Technical Director	HR	4.00	\$318.55	\$1,274.20		0.00	4.00	\$1,274.20
	2	Engineering Technical Director	HR	0.00	\$286.35	\$0.00		0.00	0.00	\$0.00
	3	Project Manager / Senior Engineer	HR	20.00	\$247.25	\$4,945.00		6.00	26.00	\$6,428.50
	4	Senior Engineer	HR	48.00	\$220.80	\$10,598.40		4.50	52.50	\$11,592.00
	5	Geologist/Scientist III	HR	0.00	\$150.65	\$0.00		0.00	0.00	\$0.00
	6	Engineer II	HR	12.00	\$131.10	\$1,573.20		(12.00)	0.00	\$0.00
	7	Scientist IV	HR	96.00	\$125.35	\$12,033.60		(96.00)	0.00	\$0.00
	8	CADD Designer	HR	68.00	\$142.60	\$9,696.80		4.00	72.00	\$10,267.20
	9	Vehicle	Day	4.00	\$150.00	\$600.00		0.00	4.00	\$600.00
	10	Mileage	Mile	0.00	\$0.655	\$0.00		0.00	0.00	\$0.00
	11	Per Diem	Day	0.00	\$150.00	\$0.00		0.00	0.00	\$0.00
F-d		PERMITTING Local Permits & Bat Survey								
	1	Senior Technical Director	HR	4.00	\$318.55	\$1,274.20		(4.00)	0.00	\$0.00
	2	Engineering Technical Director	HR	0.00	\$286.35	\$0.00		0.00	0.00	\$0.00
	3	Project Manager / Senior Engineer	HR	0.00	\$247.25	\$0.00		0.00	0.00	\$0.00
	4	Senior Engineer	HR	0.00	\$220.80	\$0.00		0.00	0.00	\$0.00
	5	Geologist/Scientist III	HR	0.00	\$150.65	\$0.00		0.00	0.00	\$0.00
	6	Engineer II	HR	30.00	\$131.10	\$3,933.00		0.00	30.00	\$3,933.00
	7	Scientist IV	HR	56.00	\$125.35	\$7,019.60		0.00	56.00	\$7,019.60
	8	CADD Designer	HR	24.00	\$142.60	\$3,422.40		0.00	24.00	\$3,422.40
	9	Vehicle	Day	4.00	\$150.00	\$600.00		0.00	4.00	\$600.00
	10	Mileage	Mile	0.00	\$0.655	\$0.00		0.00	0.00	\$0.00
	11	Per Diem	Day	0.00	\$150.00	\$0.00		0.00	0.00	\$0.00
	12	Bat Survey	Each	1.00	\$8,000.00	\$8,000.00		0.00	1.00	\$8,000.00
F-e		PERMITTING WV Bureau of Health (Water Line)								
	1	Senior Technical Director	HR	2.00	\$318.55	\$637.10		(2.00)	0.00	\$0.00
	2	Engineering Technical Director	HR	0.00	\$286.35	\$0.00		0.00	0.00	\$0.00
	3	Project Manager / Senior Engineer	HR	24.00	\$247.25	\$5,934.00		0.00	24.00	\$5,934.00
	4	Senior Engineer	HR	36.00	\$220.80	\$7,948.80		0.00	36.00	\$7,948.80
	5	Geologist/Scientist III	HR	0.00	\$150.65	\$0.00		0.00	0.00	\$0.00
	6	Engineer II	HR	0.00	\$131.10	\$0.00		0.00	0.00	\$0.00

	7		Scientist IV	HR	0.00	\$125.35	\$0.00		0.00	0.00	\$0.00
	8		CADD Designer	HR	72.00	\$142.60	\$10,267.20		(32.00)	40.00	\$5,704.00
	9		Vehicle	Day	0.00	\$150.00	\$0.00		0.00	0.00	\$0.00
	10		Mileage	Mile	0.00	\$0.655	\$0.00		0.00	0.00	\$0.00
	11		Per Diem	Day	0.00	\$150.00	\$0.00		0.00	0.00	\$0.00
G			INSTRUMENTATION AND MONITORING								
	1		Sub-Project Manager / Senior Engineer	HR	48.00	\$161.00	\$7,728.00		0.00	48.00	\$7,728.00
	2		Sub-Staff Engineer	HR	120.00	\$143.75	\$17,250.00		0.00	120.00	\$17,250.00
	3		Sub-CADD Designer	HR	72.00	\$97.75	\$7,038.00		0.00	72.00	\$7,038.00
	4		Sub-Electrical Technician	HR	0.00	\$126.50	\$0.00		0.00	0.00	\$0.00
	5		Sub-Mileage	Mile	300.00	\$0.860	\$258.00		0.00	300.00	\$258.00
	6		Sub-Per Diem	Day	3.00	\$69.00	\$207.00		0.00	3.00	\$207.00
H			PRE-BID CONFERENCE								
	1		Senior Technical Director	HR	32.00	\$318.55	\$10,193.60		(32.00)	0.00	\$0.00
	2		Engineering Technical Director	HR	0.00	\$286.35	\$0.00		0.00	0.00	\$0.00
	3		Project Manager / Senior Engineer	HR	32.00	\$247.25	\$7,912.00		32.00	64.00	\$15,824.00
	4		Senior Engineer	HR	0.00	\$220.80	\$0.00		0.00	0.00	\$0.00
	5		Geologist/Scientist III	HR	0.00	\$150.65	\$0.00		0.00	0.00	\$0.00
	6		Engineer II	HR	24.00	\$131.10	\$3,146.40		(24.00)	0.00	\$0.00
	7		Scientist IV	HR	32.00	\$125.35	\$4,011.20		(32.00)	0.00	\$0.00
	8		CADD Designer	HR	0.00	\$142.60	\$0.00		0.00	0.00	\$0.00
	9		Vehicle	Day	6.00	\$150.00	\$900.00		3.00	9.00	\$1,350.00
	10		Mileage	Mile	0.00	\$0.655	\$0.00		0.00	0.00	\$0.00
	11		Per Diem	Day	0.00	\$150.00	\$0.00		0.00	0.00	\$0.00
I			PRE-CONSTRUCTION CONFERENCE								
	1		Senior Technical Director	HR	32.00	\$318.55	\$10,193.60		(24.00)	8.00	\$2,548.40
	2		Engineering Technical Director	HR	0.00	\$286.35	\$0.00		0.00	0.00	\$0.00
	3		Project Manager / Senior Engineer	HR	32.00	\$247.25	\$7,912.00		0.00	32.00	\$7,912.00
	4		Senior Engineer	HR	0.00	\$220.80	\$0.00		0.00	0.00	\$0.00
	5		Geologist/Scientist III	HR	0.00	\$150.65	\$0.00		0.00	0.00	\$0.00
	6		Engineer II	HR	32.00	\$131.10	\$4,195.20		0.00	32.00	\$4,195.20
	7		Scientist IV	HR	32.00	\$125.35	\$4,011.20		0.00	32.00	\$4,011.20
	8		CADD Designer	HR	0.00	\$142.60	\$0.00		0.00	0.00	\$0.00
	9		Vehicle	Day	8.00	\$150.00	\$1,200.00		0.00	8.00	\$1,200.00
	10		Mileage	Mile	0.00	\$0.655	\$0.00		0.00	0.00	\$0.00
	11		Per Diem	Day	2.00	\$150.00	\$300.00		0.00	2.00	\$300.00
	12		Construction Inspectors						0.00		
		a	Construction Project Manager	HR	32.00	\$247.25	\$7,912.00		0.00	32.00	\$7,912.00
		b	Senior Construction Inspector	HR	32.00	\$149.50	\$4,784.00		0.00	32.00	\$4,784.00
		c	Mid-Level Construction Inspection	HR	0.00	\$132.25	\$0.00		0.00	0.00	\$0.00
J	1		Project Manager/Task Oversight	HR	100.00	\$247.25	\$24,725.00		72.00	172.00	\$42,527.00
			Task III Sub-Total				\$1,232,331.66				\$1,345,138.30

TASK IV: CONSTRUCTION OVERSIGHT

A			Construction Observation Services								
	1		Senior Technical Director	HR	36.00	\$318.55	\$11,467.80		0.00	36.00	\$11,467.80
	2		Engineering Technical Director	HR	0.00	\$286.35	\$0.00		0.00	0.00	\$0.00
	3		Project Manager / Senior Engineer	HR	415.00	\$247.25	\$102,608.75		0.00	415.00	\$102,608.75
	4		Senior Engineer	HR	0.00	\$220.80	\$0.00		0.00	0.00	\$0.00
	5		Geologist/Scientist III	HR	0.00	\$150.65	\$0.00		0.00	0.00	\$0.00
	6		Engineer II	HR	144.00	\$131.10	\$18,878.40		0.00	144.00	\$18,878.40
	7		Scientist IV	HR	0.00	\$125.35	\$0.00		0.00	0.00	\$0.00
	8		CADD Designer	HR	64.00	\$142.60	\$9,126.40		0.00	64.00	\$9,126.40
	9		Vehicle	Day	20.00	\$150.00	\$3,000.00		0.00	20.00	\$3,000.00
	10		Mileage	Mile	0.00	\$0.655	\$0.00		0.00	0.00	\$0.00
	11		Per Diem	Day	0.00	\$150.00	\$0.00		0.00	0.00	\$0.00
	12		Arc Flash Study (MVI)	Each	4.00	\$5,294.31	\$21,177.24		0.00	4.00	\$21,177.24
	13		Construction Inspection								
		a	Construction Project Manager	HR	828.00	\$247.25	\$204,723.00		0.00	828.00	\$204,723.00
		b	Senior Construction Inspector	HR	3541.00	\$149.50	\$529,379.50		0.00	3541.00	\$529,379.50
		c	Mid-Level Construction Inspection	HR	1211.00	\$132.25	\$160,154.75		0.00	1211.00	\$160,154.75
		d	Dual Certified CWI & NACE	HR	1728.00	\$149.50	\$258,336.00		0.00	1728.00	\$258,336.00
		e	Office Work / AMLNET	HR	1017.00	\$132.25	\$134,498.25		0.00	1017.00	\$134,498.25
		f	Vehicle	Day	630.00	\$150.00	\$94,500.00		0.00	630.00	\$94,500.00
		g	Mileage	Mile	0.00	\$0.655	\$0.00		0.00	0.00	\$0.00
		h	Inspector Per Diem	Day	630.00	\$210.00	\$132,300.00		0.00	630.00	\$132,300.00
B	1		Project Manager/Task Oversight	HR	100.00	\$247.25	\$24,725.00		0.00	100.00	\$24,725.00
			Task IV Sub-Total				\$1,704,875.09				\$1,704,875.09

TASK V: POST-CONSTRUCTION OVERSITE

A			FIELD VISITS / INSPECTIONS								
	1		Senior Technical Director	HR	12.00	\$318.55	\$3,822.60		0.00	12.00	\$3,822.60
	2		Engineering Technical Director	HR	0.00	\$286.35	\$0.00		0.00	0.00	\$0.00
	3		Project Manager / Senior Engineer	HR	60.00	\$247.25	\$14,835.00		0.00	60.00	\$14,835.00
	4		Senior Engineer	HR	0.00	\$220.80	\$0.00		0.00	0.00	\$0.00
	5		Geologist/Scientist III	HR	0.00	\$150.65	\$0.00		0.00	0.00	\$0.00
	6		Engineer II	HR	32.00	\$131.10	\$4,195.20		0.00	32.00	\$4,195.20
	7		Scientist IV	HR	0.00	\$125.35	\$0.00		0.00	0.00	\$0.00
	8		CADD Designer	HR	148.00	\$142.60	\$21,104.80		0.00	148.00	\$21,104.80
	9		Vehicle	Day	95.00	\$150.00	\$14,250.00		0.00	95.00	\$14,250.00
	10		Mileage	Mile	0.00	\$0.655	\$0.00		0.00	0.00	\$0.00
	11		Inspector Per Diem	Day	0.00	\$210.00	\$0.00		0.00	0.00	\$0.00
	12		Senior Construction Inspector	HR	576.00	\$149.50	\$86,112.00		0.00	576.00	\$86,112.00
			Task V Sub-Total				\$144,319.60				\$144,319.60
			Total				\$3,333,969.45	\$0.00	\$107,025.79		\$3,440,995.24

ORIGINAL CO2 units CO3 units Total Revised Units Combined total funding

Project Name: Abram Creek Total										
COST PROPOSAL SCHEDULE FOR CONTRACT 9										
TASK		DESCRIPTION	UNIT	CONTRACT QUANTITY	UNIT BID PRICE	TOTAL PRICE				
TASK I: NEPA & ESA										
A		Agency Coordinations (including Office Work, AMLNET, etc.)								
	1	Senior Technical Director	HR	12.00	\$318.55	\$3,822.60		3.50	15.50	\$4,937.53
	2	Engineering Technical Director	HR	0.00	\$286.35	\$0.00		0.00	0.00	\$0.00
	3	Project Manager / Senior Engineer	HR	14.00	\$247.25	\$3,461.50		5.00	19.00	\$4,697.75
	4	Senior Engineer	HR	0.00	\$220.80	\$0.00		0.00	0.00	\$0.00
	5	Geologist/Scientist III	HR	0.00	\$150.65	\$0.00		0.00	0.00	\$0.00
	6	Engineer II	HR	48.00	\$131.10	\$6,292.80		7.75	55.75	\$7,308.83
	7	Scientist IV	HR	80.00	\$125.35	\$10,028.00		6.00	86.00	\$10,780.10
	8	CADD Designer	HR	64.00	\$142.60	\$9,126.40		0.00	64.00	\$9,126.40
	9	Vehicle	Day	0.00	\$150.00	\$0.00		0.00	0.00	\$0.00
	10	Mileage	Mile	0.00	\$0.655	\$0.00		0.00	0.00	\$0.00
	11	Per Diem	Day	0.00	\$150.00	\$0.00		0.00	0.00	\$0.00
B		Public Involvement (Services Not Being Provided)								
	1	Senior Technical Director	HR	0.00	\$318.55	\$0.00			0.00	\$0.00
	2	Engineering Technical Director	HR	0.00	\$286.35	\$0.00			0.00	\$0.00
	3	Project Manager / Senior Engineer	HR	0.00	\$247.25	\$0.00			0.00	\$0.00
	4	Senior Engineer	HR	0.00	\$220.80	\$0.00			0.00	\$0.00
	5	Geologist/Scientist III	HR	0.00	\$150.65	\$0.00			0.00	\$0.00
	6	Engineer II	HR	0.00	\$131.10	\$0.00			0.00	\$0.00
	7	Scientist IV	HR	0.00	\$125.35	\$0.00			0.00	\$0.00
	8	CADD Designer	HR	0.00	\$142.60	\$0.00			0.00	\$0.00
	9	Vehicle	Day	0.00	\$150.00	\$0.00			0.00	\$0.00
	10	Mileage	Mile	0.00	\$0.655	\$0.00			0.00	\$0.00
	11	Per Diem	Day	0.00	\$150.00	\$0.00			0.00	\$0.00
	12	Fees	Per Fee	0.00	\$50.00	\$0.00			0.00	\$0.00
C		CATEX / EA / FONSI / EIS								
	1	Senior Technical Director	HR	0.00	\$318.55	\$0.00		0.00	0.00	\$0.00
	2	Engineering Technical Director	HR	8.00	\$286.35	\$2,290.80		0.00	8.00	\$2,290.80
	3	Project Manager / Senior Engineer	HR	0.00	\$247.25	\$0.00		0.00	0.00	\$0.00
	4	Senior Engineer	HR	32.00	\$220.80	\$7,065.60		5.00	37.00	\$8,169.60
	5	Geologist/Scientist III	HR	0.00	\$150.65	\$0.00		0.00	0.00	\$0.00
	6	Engineer II	HR	32.00	\$131.10	\$4,195.20		5.00	37.00	\$4,850.70
	7	Scientist IV	HR	160.00	\$125.35	\$20,056.00		0.25	160.25	\$20,087.34
	8	CADD Designer	HR	80.00	\$142.60	\$11,408.00		0.00	80.00	\$11,408.00
	9	Vehicle	Day	6.00	\$150.00	\$900.00		3.00	9.00	\$1,350.00

	10		Mileage	Mile	0.00	\$0.655	\$0.00		0.00	0.00	\$0.00
	11		Per Diem	Day	0.00	\$150.00	\$0.00		9.00	9.00	\$1,350.00
D	1		Project Manager/Task Oversight	HR	100.00	\$247.25	\$24,725.00		32.00	132.00	\$32,637.00
			Task I Sub-Total				\$103,371.90				\$118,994.04
TASK II: REALTY											
A			Exploratory Rights of Entry (EROE)								
	1		Project Manager / Senior Engineer	HR	24.00	\$247.25	\$5,934.00	40.00	(40.00)	(16.00)	\$5,934.00
	2		Senior Engineer	HR	0.00	\$220.80	\$0.00		0.00	0.00	\$0.00
	3		CADD Designer	HR	0.00	\$142.60	\$0.00		0.00	0.00	\$0.00
	4		Engineer II	HR	72.00	\$131.10	\$9,439.20		0.00	72.00	\$9,439.20
	5		Realty Agent						0.00	0.00	
		a	Courthouse Work	HR	94.00	\$131.10	\$12,323.40	85.00	0.00	94.00	\$23,466.90
		b	Field Reconnaissance / Landowner Correspondence	HR	145.00	\$131.10	\$19,009.50	95.00	(62.75)	82.25	\$23,237.48
		c	Office Work / AMLNET	HR	74.00	\$131.10	\$9,701.40		0.00	74.00	\$9,701.40
	6		Vehicle	Day	13.00	\$150.00	\$1,950.00	10.00	(7.00)	6.00	\$2,400.00
	7		Mileage	Mile	0.00	\$0.655	\$0.00		0.00	0.00	\$0.00
	8		Per Diem	Day	18.00	\$150.00	\$2,700.00	10.00	(6.00)	12.00	\$3,300.00
B			Construction Rights of Entry (CROE)								
	1		Project Manager / Senior Engineer	HR	12.00	\$247.25	\$2,967.00		0.00	12.00	\$2,967.00
	2		Senior Engineer	HR	0.00	\$220.80	\$0.00		0.00	0.00	\$0.00
	3		CADD Designer	HR	30.00	\$142.60	\$4,278.00		0.00	30.00	\$4,278.00
	4		Engineer II	HR	24.00	\$131.10	\$3,146.40		3.00	27.00	\$3,539.70
	5		Realty Agent						0.00	0.00	
		a	Courthouse Work	HR	80.00	\$131.10	\$10,488.00		0.00	80.00	\$10,488.00
		b	Field Reconnaissance / Landowner Correspondence	HR	165.00	\$131.10	\$21,631.50		0.00	165.00	\$21,631.50
		c	Office Work / AMLNET	HR	80.00	\$131.10	\$10,488.00		0.00	80.00	\$10,488.00
	6		Vehicle	Day	13.00	\$150.00	\$1,950.00		5.00	18.00	\$2,700.00
	7		Mileage	Mile	0.00	\$0.655	\$0.00		0.00	0.00	\$0.00
	8		Per Diem	Day	14.00	\$150.00	\$2,100.00		4.00	18.00	\$2,700.00
C			Pre-Bid Conference								
	1		Project Manager / Senior Engineer	HR	0.00	\$247.25	\$0.00		0.00	0.00	\$0.00
	2		Engineer II	HR	0.00	\$131.10	\$0.00		0.00	0.00	\$0.00
	3		Realty Agent	HR	30.00	\$131.10	\$3,933.00		0.00	30.00	\$3,933.00
	4		Vehicle	Day	4.00	\$150.00	\$600.00		(1.00)	3.00	\$450.00
	5		Mileage	Mile	0.00	\$0.655	\$0.00		0.00	0.00	\$0.00
	6		Per Diem	Day	3.00	\$150.00	\$450.00		0.00	3.00	\$450.00
D			Pre-Construction Conference								
	1		Project Manager / Senior Engineer	HR	0.00	\$247.25	\$0.00		0.00	0.00	\$0.00
	2		Engineer II	HR	0.00	\$131.10	\$0.00		0.00	0.00	\$0.00
	3		Realty Agent	HR	28.00	\$131.10	\$3,670.80		0.00	28.00	\$3,670.80

	4	Vehicle	Day	4.00	\$150.00	\$600.00		(1.00)	3.00	\$450.00
	5	Mileage	Mile	0.00	\$0.655	\$0.00		0.00	0.00	\$0.00
	6	Per Diem	Day	3.00	\$150.00	\$450.00		0.00	3.00	\$450.00
E	1	Direct Cost & Fees	Each	3.00	\$500.00	\$1,500.00		0.00	3.00	\$1,500.00
F	1	Project Manager/Task Oversight	HR	100.00	\$247.25	\$24,725.00	32.00	4.00	104.00	\$33,626.00
		Task II Sub-Total				\$154,035.20				\$180,800.98
TASK III: DESIGN										
A		SITE RECONNAISSANCE, INVESTIGATIONS AND PROPOSAL PREPARATION								
	1	Senior Technical Director	HR	36.00	\$318.55	\$11,467.80		3.00	39.00	\$12,423.45
	2	Engineering Technical Director	HR	0.00	\$286.35	\$0.00		0.00	0.00	\$0.00
	3	Project Manager / Senior Engineer	HR	325.00	\$247.25	\$80,356.25	40.00	85.00	410.00	\$111,262.50
	4	Senior Engineer	HR	66.00	\$220.80	\$14,572.80		250.00	316.00	\$69,772.80
	5	Geologist/Scientist III	HR	20.00	\$150.65	\$3,013.00		0.00	20.00	\$3,013.00
	6	Engineer II	HR	212.00	\$131.10	\$27,793.20		20.00	232.00	\$30,415.20
	7	Scientist IV	HR	220.00	\$125.35	\$27,577.00		36.00	256.00	\$32,089.60
	8	CADD Designer	HR	32.00	\$142.60	\$4,563.20		19.00	51.00	\$7,272.60
	9	Vehicle	Day	13.00	\$150.00	\$1,950.00		10.00	23.00	\$3,450.00
	10	Mileage	Mile	0.00	\$0.655	\$0.00		0.00	0.00	\$0.00
	11	Per Diem	Day	4.00	\$150.00	\$600.00		4.00	8.00	\$1,200.00
	12	Water Sampling	Each	32.00	\$155.00	\$4,960.00		3.00	35.00	\$5,425.00
B		SURVEYING & MAPPING								
	1	Project Manager / Senior Engineer	HR	40.00	\$247.25	\$9,890.00	32.00	60.00	100.00	\$32,637.00
	2	Senior Engineer	HR	0.00	\$220.80	\$0.00		0.00	0.00	\$0.00
	3	CADD Designer	HR	84.00	\$142.60	\$11,978.40		2.00	86.00	\$12,263.60
	4	Survey Project Manager	HR	19.00	\$129.95	\$2,469.05	8.00	5.00	24.00	\$4,158.40
	5	Professional Surveyor	HR	92.00	\$129.95	\$11,955.40	34.00	(3.00)	89.00	\$15,983.85
	6	Surveyor CADD	HR	149.00	\$87.40	\$13,022.60		27.50	176.50	\$15,426.10
	7	Researcher	HR	40.00	\$89.70	\$3,588.00	10.00	(10.00)	30.00	\$3,588.00
	8	Utility Coordinator	HR	24.00	\$89.70	\$2,152.80		7.50	31.50	\$2,825.55
	9	R/W and Survey Technician	HR	128.00	\$87.40	\$11,187.20		58.00	186.00	\$16,256.40
	10	Survey Crew Chief	HR	250.00	\$85.10	\$21,275.00		4.00	254.00	\$21,615.40
	11	Crew Member	HR	250.00	\$59.80	\$14,950.00		4.00	254.00	\$15,189.20
	12	Abram Rock Robotic (UAV Registration)	Each	4.00	\$178.54	\$714.16		(4.00)	0.00	\$0.00
	13	Abram Aerotas (Aerial Photo Stitching)	Each	4.00	\$243.51	\$974.04		(4.00)	0.00	\$0.00
	14	Abram T3 Global LIDAR Processing	Each	4.00	\$5,239.69	\$20,958.76		0.00	4.00	\$20,958.76
	15	Mileage	Mile	3000.00	\$0.655	\$1,965.00		(289.00)	2711.00	\$1,775.71
	16	Survey Crew Per Diem	Day	50.00	\$172.50	\$8,625.00		6.00	56.00	\$9,660.00
	17	Research - Costs - Deeds	Each	60.00	\$4.60	\$276.00		20.00	80.00	\$368.00
	18	Research - Costs - Assessments	Each	48.00	\$1.15	\$55.20		(48.00)	0.00	\$0.00
	19	Research Costs - Recorded plans	Each	4.00	\$9.20	\$36.80		(4.00)	0.00	\$0.00
	20	WVDOH Route Realty Fee			\$115.00		20.00	0.00	0.00	\$2,300.00

	21		WVDOH Route Realty Research			\$57.50		32.00	0.00	0.00	\$1,840.00
C			GEOTECHNICAL INVESTIGATION								
	1		Project Manager / Senior Engineer	HR	36.00	\$247.25	\$8,901.00		39.00	75.00	\$18,543.75
	2		Geotechnical Engineer/Geologist	HR	140.00	\$150.65	\$21,091.00		0.00	140.00	\$21,091.00
	3		Mobilization / Demobilization per site	Each	3.00	\$7,705.00	\$23,115.00		0.00	3.00	\$23,115.00
	4		Soil Augering-Cont SPT	LF	660.00	\$43.70	\$28,842.00		(127.60)	532.40	\$23,265.88
	5		Rock Core Set Up	Each	20.00	\$258.75	\$5,175.00		(17.00)	3.00	\$776.25
	6		Rock Coring	LF	200.00	\$51.75	\$10,350.00		(40.00)	160.00	\$8,280.00
	7		Heavy Equipment	HR	0.00	\$0.00	\$0.00		0.00	0.00	\$0.00
	8		Drill Crew Per Diem	Day	7.00	\$575.00	\$4,025.00		0.00	7.00	\$4,025.00
	9		Reclamation per site	Each	3.00	\$7,743.33	\$23,229.99		0.00	3.00	\$23,229.99
	10		Boring Logs/Geology	HR	30.00	\$150.65	\$4,519.50		(8.00)	22.00	\$3,314.30
	11		Geotechnical Investigation Report per site	Each	3.00	\$12,900.00	\$38,700.00		0.00	3.00	\$38,700.00
	12		Vehicle	Day	22.00	\$150.00	\$3,300.00		(16.00)	6.00	\$900.00
	13		Mileage	Mile	0.00	\$0.655	\$0.00		0.00	0.00	\$0.00
	14		Per Diem	Day	14.00	\$150.00	\$2,100.00		(9.00)	5.00	\$750.00
D			ANALYSIS AND DESIGN								
	1		Senior Technical Director	HR	16.00	\$318.55	\$5,096.80		0.00	16.00	\$5,096.80
	2		Engineering Technical Director	HR	190.00	\$286.35	\$54,406.50		0.00	190.00	\$54,406.50
	3		Project Manager / Senior Engineer	HR	70.00	\$247.25	\$17,307.50		19.00	89.00	\$22,005.25
	4		Senior Engineer	HR	0.00	\$220.80	\$0.00		176.00	176.00	\$38,860.80
	5		Geologist/Scientist III	HR	0.00	\$150.65	\$0.00		0.00	0.00	\$0.00
	6		Engineer II	HR	30.00	\$131.10	\$3,933.00		0.00	30.00	\$3,933.00
	7		Scientist IV	HR	0.00	\$125.35	\$0.00		0.00	0.00	\$0.00
	8		CADD Designer	HR	32.00	\$142.60	\$4,563.20		0.00	32.00	\$4,563.20
	9		Vehicle	Day	22.00	\$150.00	\$3,300.00		10.00	32.00	\$4,800.00
	10		Mileage	Mile	0.00	\$0.655	\$0.00		0.00	0.00	\$0.00
	11		Per Diem	Day	0.00	\$150.00	\$0.00		7.00	7.00	\$1,050.00
E			PREPARATION OF PLANS, SPECIFICATIONS AND ENGINEERS ESTIMATE								
	1		Senior Technical Director	HR	36.00	\$318.55	\$11,467.80		8.00	44.00	\$14,016.20
	2		Engineering Technical Director	HR	97.00	\$286.35	\$27,775.95		0.00	97.00	\$27,775.95
	3		Project Manager / Senior Engineer	HR	216.00	\$247.25	\$53,406.00		200.00	416.00	\$102,856.00
	4		Senior Engineer	HR	890.00	\$220.80	\$196,512.00		790.00	1680.00	\$370,944.00
	5		Geologist/Scientist III	HR	0.00	\$150.65	\$0.00		0.00	0.00	\$0.00
	6		Engineer II	HR	88.00	\$131.10	\$11,536.80		145.00	233.00	\$30,546.30
	7		Scientist IV	HR	0.00	\$125.35	\$0.00		78.00	78.00	\$9,777.30
	8		CADD Designer	HR	551.00	\$142.60	\$78,572.60		462.00	1013.00	\$144,453.80
	9		Vehicle	Day	9.00	\$150.00	\$1,350.00		1.00	10.00	\$1,500.00
	10		Mileage	Mile	0.00	\$0.655	\$0.00		0.00	0.00	\$0.00
	11		Per Diem	Day	0.00	\$150.00	\$0.00		1.00	1.00	\$150.00

F-a		PERMITTING	WVDEP Construction Stormwater								
	1	Senior Technical Director	HR	10.00	\$318.55	\$3,185.50		(10.00)	0.00		\$0.00
	2	Engineering Technical Director	HR	0.00	\$286.35	\$0.00		0.00	0.00		\$0.00
	3	Project Manager / Senior Engineer	HR	48.00	\$247.25	\$11,868.00		(24.25)	23.75		\$5,872.19
	4	Senior Engineer	HR	128.00	\$220.80	\$28,262.40		41.00	169.00		\$37,315.20
	5	Geologist/Scientist III	HR	0.00	\$150.65	\$0.00		0.00	0.00		\$0.00
	6	Engineer II	HR	16.00	\$131.10	\$2,097.60		(1.00)	15.00		\$1,966.50
	7	Scientist IV	HR	184.00	\$125.35	\$23,064.40		112.00	296.00		\$37,103.60
	8	CADD Designer	HR	148.00	\$142.60	\$21,104.80		(20.00)	128.00		\$18,252.80
	9	Vehicle	Day	0.00	\$150.00	\$0.00		0.00	0.00		\$0.00
	10	Mileage	Mile	0.00	\$0.655	\$0.00		0.00	0.00		\$0.00
	11	Per Diem	Day	0.00	\$150.00	\$0.00		0.00	0.00		\$0.00
F-b		PERMITTING	USACE								
	1	Senior Technical Director	HR	10.00	\$318.55	\$3,185.50		(10.00)	0.00		\$0.00
	2	Engineering Technical Director	HR	0.00	\$286.35	\$0.00		0.00	0.00		\$0.00
	3	Project Manager / Senior Engineer	HR	28.00	\$247.25	\$6,923.00		(12.00)	16.00		\$3,956.00
	4	Senior Engineer	HR	56.00	\$220.80	\$12,364.80		(16.00)	40.00		\$8,832.00
	5	Geologist/Scientist III	HR	0.00	\$150.65	\$0.00		0.00	0.00		\$0.00
	6	Engineer II	HR	0.00	\$131.10	\$0.00		0.00	0.00		\$0.00
	7	Scientist IV	HR	112.00	\$125.35	\$14,039.20		(69.00)	43.00		\$5,390.05
	8	CADD Designer	HR	16.00	\$142.60	\$2,281.60		16.00	32.00		\$4,563.20
	9	Vehicle	Day	0.00	\$150.00	\$0.00		0.00	0.00		\$0.00
	10	Mileage	Mile	0.00	\$0.655	\$0.00		0.00	0.00		\$0.00
	11	Per Diem	Day	0.00	\$150.00	\$0.00		0.00	0.00		\$0.00
F-c		PERMITTING	WVDOH								
	1	Senior Technical Director	HR	4.00	\$318.55	\$1,274.20		(4.00)	0.00		\$0.00
	2	Engineering Technical Director	HR	0.00	\$286.35	\$0.00		0.00	0.00		\$0.00
	3	Project Manager / Senior Engineer	HR	14.00	\$247.25	\$3,461.50		2.25	16.25		\$4,017.81
	4	Senior Engineer	HR	56.00	\$220.80	\$12,364.80		29.00	85.00		\$18,768.00
	5	Geologist/Scientist III	HR	0.00	\$150.65	\$0.00		0.00	0.00		\$0.00
	6	Engineer II	HR	16.00	\$131.10	\$2,097.60		(7.50)	8.50		\$1,114.35
	7	Scientist IV	HR	120.00	\$125.35	\$15,042.00		(82.00)	38.00		\$4,763.30
	8	CADD Designer	HR	80.00	\$142.60	\$11,408.00		(52.00)	28.00		\$3,992.80
	9	Vehicle	Day	6.00	\$150.00	\$900.00		(2.00)	4.00		\$600.00
	10	Mileage	Mile	0.00	\$0.655	\$0.00		0.00	0.00		\$0.00
	11	Per Diem	Day	0.00	\$150.00	\$0.00		3.00	3.00		\$450.00
F-d		PERMITTING	Local Permits								
	1	Senior Technical Director	HR	4.00	\$318.55	\$1,274.20		(4.00)	0.00		\$0.00
	2	Engineering Technical Director	HR	0.00	\$286.35	\$0.00		0.00	0.00		\$0.00

H											
PRE-BID CONFERENCE											
	1		Senior Technical Director	HR	16.00	\$318.55	\$5,096.80		(8.00)	8.00	\$2,548.40
	2		Engineering Technical Director	HR	0.00	\$286.35	\$0.00		0.00	0.00	\$0.00
	3		Project Manager / Senior Engineer	HR	22.00	\$247.25	\$5,439.50		10.00	32.00	\$7,912.00
	4		Senior Engineer	HR	22.00	\$220.80	\$4,857.60		10.00	32.00	\$7,065.60
	5		Geologist/Scientist III	HR	0.00	\$150.65	\$0.00		0.00	0.00	\$0.00
	6		Engineer II	HR	22.00	\$131.10	\$2,884.20		(22.00)	0.00	\$0.00
	7		Scientist IV	HR	22.00	\$125.35	\$2,757.70		10.00	32.00	\$4,011.20
	8		CADD Designer	HR	0.00	\$142.60	\$0.00		0.00	0.00	\$0.00
	9		Vehicle	Day	7.00	\$150.00	\$1,050.00		5.00	12.00	\$1,800.00
	10		Mileage	Mile	0.00	\$0.655	\$0.00		0.00	0.00	\$0.00
	11		Per Diem	Day	0.00	\$150.00	\$0.00		12.00	4.00	\$1,800.00
I											
PRE-CONSTRUCTION CONFERENCE											
	1		Senior Technical Director	HR	18.00	\$318.55	\$5,733.90		(10.00)	8.00	\$2,548.40
	2		Engineering Technical Director	HR	0.00	\$286.35	\$0.00		0.00	0.00	\$0.00
	3		Project Manager / Senior Engineer	HR	22.00	\$247.25	\$5,439.50		10.00	32.00	\$7,912.00
	4		Senior Engineer	HR	0.00	\$220.80	\$0.00		32.00	32.00	\$7,065.60
	5		Geologist/Scientist III	HR	0.00	\$150.65	\$0.00		0.00	0.00	\$0.00
	6		Engineer II	HR	22.00	\$131.10	\$2,884.20		(22.00)	0.00	\$0.00
	7		Scientist IV	HR	22.00	\$125.35	\$2,757.70		10.00	32.00	\$4,011.20
	8		CADD Designer	HR	0.00	\$142.60	\$0.00		0.00	0.00	\$0.00
	9		Vehicle	Day	7.00	\$150.00	\$1,050.00		13.00	20.00	\$3,000.00
	10		Mileage	Mile	0.00	\$0.655	\$0.00		0.00	0.00	\$0.00
	11		Per Diem	Day	5.00	\$150.00	\$750.00		15.00	8.00	\$3,000.00
	12		Construction Inspectors						0.00	0.00	\$0.00
		a	Construction Project Manager	HR	22.00	\$247.25	\$5,439.50		10.00	32.00	\$7,912.00
		b	Senior Construction Inspector	HR	22.00	\$149.50	\$3,289.00		10.00	32.00	\$4,784.00
		c	Mid-Level Construction Inspection	HR	0.00	\$132.25	\$0.00		0.00	0.00	\$0.00
J											
	1		Project Manager/Task Oversight	HR	100.00	\$247.25	\$24,725.00	32.00	100.00	200.00	\$57,362.00
			Task III Sub-Total				\$1,293,467.60				\$1,791,295.94
TASK IV: CONSTRUCTION OVERSITE											
A											
Construction Observation Services											
	1		Senior Technical Director	HR	32.00	\$318.55	\$10,193.60		0.00	32.00	\$10,193.60
	2		Engineering Technical Director	HR	0.00	\$286.35	\$0.00		0.00	0.00	\$0.00
	3		Project Manager / Senior Engineer	HR	455.00	\$247.25	\$112,498.75		0.00	455.00	\$112,498.75
	4		Senior Engineer	HR	0.00	\$220.80	\$0.00		0.00	0.00	\$0.00
	5		Geologist/Scientist III	HR	0.00	\$150.65	\$0.00		0.00	0.00	\$0.00
	6		Engineer II	HR	144.00	\$131.10	\$18,878.40		0.00	144.00	\$18,878.40
	7		Scientist IV	HR	0.00	\$125.35	\$0.00		0.00	0.00	\$0.00
	8		CADD Designer	HR	64.00	\$142.60	\$9,126.40		0.00	64.00	\$9,126.40
	9		Vehicle	Day	20.00	\$150.00	\$3,000.00		0.00	20.00	\$3,000.00
	10		Mileage	Mile	0.00	\$0.655	\$0.00		0.00	0.00	\$0.00

	11		Per Diem	Day	0.00	\$150.00	\$0.00		0.00	0.00	\$0.00
	12		Arc Flash Study (MVI)	Each	4.00	\$5,324.50	\$21,298.00		0.00	4.00	\$21,298.00
	13		Construction Inspection								
		a	Construction Project Manager	HR	805.00	\$247.25	\$199,036.25		0.00	805.00	\$199,036.25
		b	Senior Construction Inspector	HR	3945.00	\$149.50	\$589,777.50		0.00	3945.00	\$589,777.50
		c	Mid-Level Construction Inspection	HR	1323.00	\$132.25	\$174,966.75		0.00	1323.00	\$174,966.75
		d	Dual Certified CWI & NACE	HR	1728.00	\$149.50	\$258,336.00		(1728.00)	0.00	\$0.00
		e	Office Work / AMLNET	HR	1000.00	\$132.25	\$132,250.00		0.00	1000.00	\$132,250.00
		f	Vehicle	Day	700.00	\$150.00	\$105,000.00		0.00	700.00	\$105,000.00
		g	Mileage	Mile	0.00	\$0.655	\$0.00		0.00	0.00	\$0.00
		h	Inspector Per Diem	Day	700.00	\$210.00	\$147,000.00		0.00	700.00	\$147,000.00
B	1		Project Manager/Task Oversight	HR	100.00	\$247.25	\$24,725.00		0.00	100.00	\$24,725.00
			Task IV Sub-Total				\$1,806,086.65				\$1,547,750.65
TASK V: POST-CONSTRUCTION OVERSITE											
A			FIELD VISITS / INSPECTIONS								
	1		Senior Technical Director	HR	12.00	\$318.55	\$3,822.60		0.00	12.00	\$3,822.60
	2		Engineering Technical Director	HR	0.00	\$286.35	\$0.00		0.00	0.00	\$0.00
	3		Project Manager / Senior Engineer	HR	60.00	\$247.25	\$14,835.00		0.00	49.00	\$14,835.00
	4		Senior Engineer	HR	0.00	\$220.80	\$0.00		0.00	0.00	\$0.00
	5		Geologist/Scientist III	HR	0.00	\$150.65	\$0.00		0.00	0.00	\$0.00
	6		Engineer II	HR	32.00	\$131.10	\$4,195.20		0.00	28.00	\$4,195.20
	7		Scientist IV	HR	0.00	\$125.35	\$0.00		0.00	0.00	\$0.00
	8		CADD Designer	HR	144.00	\$142.60	\$20,534.40		0.00	144.00	\$20,534.40
	9		Vehicle	Day	96.00	\$150.00	\$14,400.00		0.00	96.00	\$14,400.00
	10		Mileage	Mile	0.00	\$0.655	\$0.00		0.00	0.00	\$0.00
	11		Inspector Per Diem	Day	0.00	\$210.00	\$0.00		0.00	0.00	\$0.00
	12		Senior Construction Inspector	HR	576.00	\$149.50	\$86,112.00		0.00	576.00	\$86,112.00
			Task V Sub-Total				\$143,899.20				\$143,899.20
			Total				\$3,500,860.55	\$80,608.90	\$201,271.35		\$3,782,740.80

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TETRA TECH, INC.

Organization Information								
Org Type	Effective Date	Established Date	Filing Date	Charter	Class	Sec Type	Termination Date	Termination Reason
C Corporation	12/13/2002		12/13/2002	Foreign	Profit			

Organization Information		
Business Purpose	5413 - Professional, Scientific and Technical Services - Professional, Scientific and Technical Services - Architectural, Engineering and Related Services (landscape architects, drafting, geophysical mapping, testing labs)	
Charter County	Capital Stock	
	Control Number	52423
Charter State	DE	Excess Acres
At Will Term	Member Managed	
At Will Term Years	Par Value	
Authorized Shares	Young Entrepreneur	Not Specified

Addresses	
Type	Address
Designated Office Address	1538 KANAWHA BLVD CHARLESTON, WV, 25387
Notice of Process Address	C T CORPORATION SYSTEM 5098 WASHINGTON ST W STE 407 CHARLESTON, WV, 253131561
Principal Office Address	3475 E. FOOTHILL BLVD. PASADENA, CA, 91107 USA
Principal Office Mailing Address	3475 E. FOOTHILL BLVD. PASADENA, CA, 91107 USA
Type	Address

Officers	
Type	Name/Address
Director	GARY R. BIRKENBEUEL 3475 E. FOOTHILL BLVD. PASADENA, CA, 91107
Director	PRASHANT GANDHI 3475 E. FOOTHILL BLVD. PASADENA, CA, 91107
Incorporator	RICHARD A. LEMMON 630 N. ROSEMEAD BLVD. PASADENA, CA, 91107 USA
President	DAN L. BATRACK 3475 E. FOOTHILL BLVD. PASADENA, CA, 91107
Secretary	PRESTON HOPSON 3475 E. FOOTHILL BLVD. PASADENA, CA, 91107
Treasurer	STEVEN M. BURDICK 3475 E. FOOTHILL BLVD. PASADENA, CA, 91107
Type	Name/Address

DBA			
DBA Name	Description	Effective Date	Termination

MAXIM TECHNOLOGIES	TRADENAME	5/13/2004	10/3/2006
MCNAMEE INDUSTRIAL SERVICES, INC.	TRADENAME	4/4/2003	5/28/2008
DBA Name	Description	Effective Date	Termination Date

Mergers				
Merger Date	Merged	Merged State	Survived	Survived State
3/31/2003	MCNAMEE, PORTER & SEELEY, INC.	MI	TETRA TECH, INC.	DE
3/31/2003	MCNAMEE INDUSTRIAL SERVICES, INC.	MI	TETRA TECH, INC.	DE
1/22/2004	WILLIAMS, HATFIELD & STONER, INC.	FL	TETRA TECH, INC.	DE
4/7/2004	MAXIM TECHNOLOGIES, INC.	DE	TETRA TECH, INC.	DE
7/25/2007	SCIENCES INTERNATIONAL, INC.	DE	TETRA TECH, INC.	DE
1/6/2012	INCA ENGINEERS, INC.	WA	TETRA TECH, INC.	DE
1/6/2012	TETRA TECH NUS, INC.	DE	TETRA TECH, INC.	DE
10/8/2012	TETRA TECH HEI, INC.	TN	TETRA TECH, INC.	DE
2/11/2013	TETRA TECH EM, INC.	DE	TETRA TECH, INC.	DE
2/11/2013	GEOTRANS, INC.	VA	TETRA TECH, INC.	DE
Merger Date	Merged	Merged State	Survived	Survived State

Date	Amendment
2/11/2013	MERGER: MERGING TETRA TECH EM, INC., A QUALIFIED DE CORPORATION, GEOTRANS, INC., A NON-QUALIFIED VA ORGANIZATION WITH AND INTO TETRA TECH, INC., A QUALIFIED DE CORPORATION, THE SURVIVOR
10/8/2012	MERGER: MERGING TETRA TECH HEI, INC., A NON-QUALIFIED TN ORGANIZATION WITH AND INTO TETRA TECH, INC., A QUALIFIED DE CORPORATION, THE SURVIVOR
1/6/2012	MERGER: MERGING INCA ENGINEERS, INC., A NON-QUALIFIED WA ORGANIZATION, TETRA TECH NUS, INC., A QUALIFIED DE CORPORATION WITH AND INTO TETRA TECH, INC., A QUALIFIED DE CORPORATION, THE SURVIVOR
3/13/2009	RESTATED CERTIFICATE FILED
7/25/2007	MERGER: MERGING SCIENCES INTERNATIONAL, INC., A NON-QUALIFIED DE ORGANIZATION WITH AND INTO TETRA TECH, INC., A QUALIFIED DE CORPORATION, THE SURVIVOR

4/7/2004	MERGER: MERGING MAXIM TECHNOLOGIES, INC., A QUALIFIED DE CORPORATION WITH AND INTO TETRA TECH, INC., A QUALIFIED DE CORPORATION, THE SURVIVOR
1/22/2004	MERGER: MERGING WILLIAMS, HATFIELD & STONER, INC., A NON-QUALIFIED FL ORGANIZATION WITH AND INTO TETRA TECH, INC., A QUALIFIED DE CORPORATION, THE SURVIVOR
3/31/2003	MERGER: MERGING MCNAMEE INDUSTRIAL SERVICES, INC., A QUALIFIED MI CORPORATION WITH AND INTO TETRA TECH, INC., A QUALIFIED DE CORPORATION, THE SURVIVOR
3/31/2003	MERGER: MERGING MCNAMEE, PORTER & SEELEY, INC., A NON-QUALIFIED MI ORGANIZATION WITH AND INTO TETRA TECH, INC., A QUALIFIED DE CORPORATION, THE SURVIVOR
Date	Amendment

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