

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

## State of West Virginia Purchase Order

Order Date: 11-08-2024

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

Order Number:	CPO 0313 9171 DEP2500000010 1		
Document Name:	EOI - 2023 AML Contract S4	Procurement Folder:	1258505
Document Description:	EOI - 2023 AML Contract S4	Reason for Modification:	
Procurement Type:	Central Purchase Order		
Buyer Name:	Joseph E Hager III		
Telephone:	(304) 558-2306		
Email:	joseph.e.hageriii@wv.gov		
Shipping Method:	Best Way		
ree on Board:	FOB Dest, Freight Prepaid	Effective Start Date:	2024-11-15
	= = = + + + +	Effective End Date:	

_		VENDOR			DEDARTMENT CONT. OT
THE 600 BRII US	ndor Customer Code: E THRASHER GROUP II WHITE OAKS BLVD DGEPORT dor Contact Phone:	000000204787 NC WV 304-343-7601 Extensi	26330 ion:	Requestor Name: Requestor Phone: Requestor Email:	Jessica S Chambers (304) 414-1140 jessica.s.chambers@wv.gov
Disc	ount Details:			All and a second	.023
Disc	Discount Allowed	Discount Percentage	Discount Dave	FILE	LOCATION
		Discount Percentage	Discount Days	FILE	LOCATION
#1	Discount Allowed		Discount Days	- FILE	LOCATION
#1 #2 #3	Discount Allowed			FILE	LOCATION

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

CR 11-12-24

**Total Order Amount:** \$3,582,647.50

Purchasing Division's File Copy

JA 11-8-54		
FLECTRONIC SIGNATURE	ELECTRONIC SIGNATURE	ENCUMBRANCE CERTIFICATION  DATE: 11-14-24  ELECTRONIC SIGNATURE ON FILE

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 Date Printed:
 Nov 8, 2024
 Order Number:
 CPO 0313 9171
 DEP2500000010 1

FORM ID: WV-PRC-CPO-002 2020/05

The vendor, The Thrasher Group Inc., agrees to enter into this contract with the agency, The West Virginia Department of Environemental Protection, for Design and Engineering Services for the 2023 AML Contract S4 per the specifications, terms and conditions, and the vendors submitted cost proposal dated 5/8/2024, all incorporated herein by reference and made a part hereof.

			Llmi4	Unit Price	Total Price
Line	Commodity Code	Quantity	Unit		266536.00
4	81100000	0.00000		0.000000	200550.00
Service From	Service To	Manufacturer		Model No	

Commodity Line Description:

Professional Svcs - Branchland (Blankenship) Portal Drainage

**Extended Description:** 

Professional Svcs - Branchland (Blankenship) Portal Drainage

				Unit Price	Total Price
line	Commodity Code	Quantity	Unit		007504.50
Line		0.00000		0.000000	307581.50
2 81100000	81100000		Model No		
Service From	Service To	Manufacturer		MOGO! ITO	

**Commodity Line Description:** 

Professional Svcs - Branchland (Crum) Drainage

**Extended Description:** 

Professional Svcs - Branchland (Crum) Drainage

				Unit Price	Total Price
Line	Commodity Code	Quantity	Unit		
Line		0.00000		0.000000	111942.00
3	81100000			Model No	
Service From	Service To	Manufacturer		Modelita	

Commodity Line Description:

Professional Svcs - Branchland Portals Rt. 10

**Extended Description:** 

Professional Svcs - Branchland Portals Rt. 10

			11=16	Unit Price	Total Price
Line	Commodity Code	Quantity	Unit		143063.00
Λ	81100000	0.00000		0.000000	140000.00
Service From	Service To	Manufacturer		Model No	

**Commodity Line Description:** 

Professional Svcs - Branchland Portal

**Extended Description:** 

Professional Svcs - Branchland Portal

		- 424	Unit	Unit Price	Total Price
Line	Commodity Code	Quantity	Offic	0.000000	145982.00
F	81100000	0.00000		0.000000	140002.00
Service From	Service To	Manufacturer		Model No	

**Commodity Line Description:** 

Professional Svcs - Middle Fork (Adkins) Portals

**Extended Description:** 

Professional Svcs - Middle Fork (Adkins) Portals

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Line **Commodity Code** Quantity Unit 81100000 **Unit Price Total Price** 0.00000 Service From Service To 0.000000 Manufacturer 642266.00 Model No

Commodity Line Description:

Professional Svcs - Cadbury Lane Drainage

**Extended Description:** 

Professional Svcs - Cadbury Lane Drainage

ne	Commodity Code	Quantity			
	81100000	0.00000	Unit	Unit Price	Total Price
rvice From	Service To	Manufacturer		0.000000	596485.00
		manalacturer		Model No	000,000

Professional Svcs - Belcher Hollow Auger Holes

**Extended Description:** 

Professional Svcs - Belcher Hollow Auger Holes

Line	Commodity Code	Quantity			
8	81100000	0.00000	Unit	Unit Price	Total Price
Service From	Service To	Manufacturer		0.000000	292103.00
		Managacturer		Model No	202100.00

**Extended Description:** 

Professional Svcs - Guyan River Refuse

Line	Commodity Code	Quantity	11 11		
9	81100000	0.00000	Unit	Unit Price	Total Price
Service From	Service To	Manufacturer		0.000000	156924.00
		manaracturer		Model No	100024.00

Professional Svcs - Branchland Hubball A

**Extended Description:** 

Professional Svcs - Branchland Hubball A

ine	Commodity Code	Quantity	11. 11		
0	81100000	0.00000	Unit	Unit Price	Total Price
Service From	Service To	Manufacturer		0.000000	448932.00
		manufacturer		Model No	110002.00

**Extended Description:** 

Professional Svcs - Harmonds Creek Portals Phase II

11	Commodity Code	Quantity	11mi4		
	81100000	0.00000	Unit	Unit Price	Total Price
Service From	Service To	Manufacturer		0.000000	287268.00
		arraracturer		Model No	

**Extended Description:** 

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Professional Svcs - W. Columbia "B" Phase II

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				Unit Price	Total Price
		Quantity	Unit		183565.00
Line	Commodity Code			0.000000	103303.00
	81100000	0.00000		Model No	
12 Service From	Service To	Manufacturer		Moderni	

Commodity Line Description:

Professional Svcs - Lanham (Workman) Portals

Extended Description: Professional Svcs - Lanham (Workman) Portals

FORM ID: WV-PRC-CPO-002 2020/05 Order Number: CPO 0313 9171 DEP2500000010 1 Page: 4 Date Printed: Nov 8, 2024

## GENERAL TERMS AND CONDITIONS:

- 1. CONTRACTUAL AGREEMENT: Issuance of an Award Document signed by the Purchasing Division Director, or his designee, and approved as to form by the Attorney General's office constitutes acceptance by the State of this Contract made by and between the State of West Virginia and the Vendor. Vendor's signature on its bid, or on the Contract if the Contract is not the result of a bid solicitation, signifies Vendor's agreement to be bound by and accept the terms and conditions contained in this Contract.
- **2. DEFINITIONS:** As used in this Solicitation/Contract, the following terms shall have the meanings attributed to them below. Additional definitions may be found in the specifications included with this Solicitation/Contract.
- **2.1. "Agency"** or "**Agencies"** means the agency, board, commission, or other entity of the State of West Virginia that is identified on the first page of the Solicitation or any other public entity seeking to procure goods or services under this Contract.
- 2.2. "Bid" or "Proposal" means the vendors submitted response to this solicitation.
- **2.3.** "Contract" means the binding agreement that is entered into between the State and the Vendor to provide the goods or services requested in the Solicitation.
- 2.4. "Director" means the Director of the West Virginia Department of Administration, Purchasing Division.
- 2.5. "Purchasing Division" means the West Virginia Department of Administration, Purchasing Division.
- 2.6. "Award Document" means the document signed by the Agency and the Purchasing Division, and approved as to form by the Attorney General, that identifies the Vendor as the contract holder.
- **2.7. "Solicitation"** means the official notice of an opportunity to supply the State with goods or services that is published by the Purchasing Division.
- 2.8. "State" means the State of West Virginia and/or any of its agencies, commissions, boards, etc. as context requires.
- 2.9. "Vendor" or "Vendors" means any entity submitting a bid in response to the Solicitation, the entity that has been selected as the lowest responsible bidder, or the entity that has been awarded the Contract as context requires.

3. CONTRACT TERM; RENEWAL; EXTENSION: The term of this Contract shall be determined in accordance with the category that has been identified as applicable to this Contract below:
Initial Contract Term: The Initial Contract Term will be for a period of  The Initial Contract Term becomes effective on the effective start  the Initial Contract Term becomes effective on the effective start  the Initial Contract, identified as the State of West Virginia contract  cover page containing the signatures of the Purchasing Division, Attorney General, and  Encumbrance clerk (or another page identified as  Encumbrance clerk (or another page identified as  and the Initial Contract Term ends on the effective end date also shown on the first page of this  Contract.  Renewal Term: This Contract may be renewed upon the mutual written consent of the Agency,  and the Vendor, with approval of the Purchasing Division and the Attorney General's office  and the Vendor, with approval is as to form only). Any request for renewal should be delivered to
(Attorney General approval is as to form only). Any request for renewal should be derived (Attorney General approval is as to form only). Any request for renewal should be derived (Attorney General approval is as to form only). Any request for renewal should be derived (Attorney General approval is as to form only). Any request for renewal should be derived to the Agency form only). Any request for renewal should be derived to the Agency form only). Any request for renewal should be derived to the Agency form only). Any request for renewal should be derived to the Agency form only). Any request for renewal should be derived to the expiration that the Purchasing Division and Attorney General's office (Attorney General approval is as to form only).
Alternate Renewal Term – This contract may be renewed for
<b>Delivery Order Limitations:</b> In the event that this contract permits delivery orders, a delivery order may only be issued during the time this Contract is in effect. Any delivery order issued within one year of the expiration of this Contract shall be effective for one year from the date the delivery order is issued. No delivery order may be extended beyond one year after this Contract
has expired.  [In Fixed Period Contract: This Contract becomes effective upon Vendor's receipt of the notice to proceed and must be completed withindays.

Fixed Period Contract with Renewals: This Contract becomes effective upon Vendor's receipt of the notice to proceed and part of the Contract more fully described in the attached specifications must be completed within days. Upon completion of the work covered by the preceding sentence, the vendor agrees that:
the contract will continue of
the contract will continue for years;
year periods or shorter periods provided that they do not exceed the total number of months contained in all available renewals. Automatic renewal of this Contract is prohibited. Renewals must be approved by the Vendor, Agency, Purchasing Division and Attorney General's Office (Attorney General approval is as to form only).
One-Time Purchase: The term of this Contract shall run from the issuance of the Award Document until all of the goods contracted for have been delivered, but in no event will this Contract extend for more than one fiscal year.
Construction/Project Oversight: This Contract becomes effective on the effective start date listed on the first page of this Contract, identified as the State of West Virginia contract cover page containing the signatures of the Purchasing Division, Attorney General, and Encumbrance clerk (or another page identified as , and continues until the project for which the vendor is providing oversight is complete.
Other: Contract Term specified in
4. AUTHORITY TO PROCEED: Vendor is authorized to begin performance of this contract on the date of encumbrance listed on the front page of the Award Document unless either the box for "Fixed Period Contract" or "Fixed Period Contract with Renewals" has been checked in Section 3 above. If either "Fixed Period Contract" or "Fixed Period Contract with Renewals" has been checked, Vendor must not begin work until it receives a separate notice to proceed from the State. The notice to proceed will then be incorporated into the Contract via change order to memorialize the official date that work commenced.
5. QUANTITIES: The quantities required under this Contract shall be determined in accordance with the category that has been identified as applicable to this Contract below.
Open End Contract: Quantities listed in this Solicitation/Award Document are approximations only, based on estimates supplied by the Agency. It is understood and agreed that the Contract shall cover the quantities actually ordered for delivery during the term of the Contract, whether more or less than the quantities shown.
Service: The scope of the service to be provided will be more clearly defined in the specifications included herewith.
Combined Service and Goods: The scope of the service and deliverable goods to be provided will be more clearly defined in the specifications included herewith.

One-Time Purchase: This Contract is for the purchase of a set quantity of goods that are identified in the specifications included herewith. Once those items have been delivered, no additional goods may be procured under this Contract without an appropriate change order approved by the Vendor, Agency, Purchasing Division, and Attorney General's office.
Construction: This Contract is for construction activity more fully defined in the specifications.
6. EMERGENCY PURCHASES: The Purchasing Division Director may authorize the Agency to purchase goods or services in the open market that Vendor would otherwise provide under this Contract if those goods or services are for immediate or expedited delivery in an emergency. Emergencies shall include, but are not limited to, delays in transportation or an unanticipated increase in the volume of work. An emergency purchase in the open market, approved by the Purchasing Division Director, shall not constitute of breach of this Contract and shall not entitle the Vendor to any form of compensation or damages. This provision does not excuse the State from fulfilling its obligations under a One-Time Purchase contract.
7. <b>REQUIRED DOCUMENTS:</b> All of the items checked in this section must be provided to the Purchasing Division by the Vendor as specified:
LICENSE(S) / CERTIFICATIONS / PERMITS: In addition to anything required under the Section of the General Terms and Conditions entitled Licensing, the apparent successful Vendor shall furnish proof of the following licenses, certifications, and/or permits upon request and in a form acceptable to the State. The request may be prior to or after contract award at the State's sole discretion.
The apparent successful Vendor shall also furnish proof of any additional licenses or certifications contained in the specifications regardless of whether or not that requirement is listed above.

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identified by a checkmark below prior to Contract award. The insurance coverages identified below must be maintained throughout the life of this contract. Thirty (30) days prior to the expiration of the insurance policies, Vendor shall provide the Agency with proof that the insurance mandated herein has been continued. Vendor must also provide Agency with immediate notice of any changes in its insurance policies, including but not limited to, policy cancelation, policy reduction, or change in insurers. The apparent successful Vendor shall also furnish proof of any additional insurance requirements contained in the specifications prior to Contract award regardless of whether that insurance requirement is listed in this section. Vendor must maintain: Commercial General Liability Insurance in at least an amount of: \$1,000,0000.00 per occurrence. Automobile Liability Insurance in at least an amount of: \$1,000,0000.00 per occurrence. Professional/Malpractice/Errors and Omission Insurance in at least an amount of: per occurrence. Notwithstanding the forgoing, Vendor's are not required to list the State as an additional insured for this type of policy. Commercial Crime and Third Party Fidelity Insurance in an amount of: \_\_\_\_\_ per occurrence. Cyber Liability Insurance in an amount of: \_\_\_\_\_ occurrence. Builders Risk Insurance in an amount equal to 100% of the amount of the Contract. Pollution Insurance in an amount of: \_\_\_\_\_\_ per occurrence. Aircraft Liability in an amount of: \_\_\_\_\_\_ per occurrence. П

8. INSURANCE: The apparent successful Vendor shall furnish proof of the insurance

- 9. WORKERS' COMPENSATION INSURANCE: Vendor shall comply with laws relating to workers compensation, shall maintain workers' compensation insurance when required, and shall furnish proof of workers' compensation insurance upon request.
- 10. VENUE: All legal actions for damages brought by Vendor against the State shall be brought in the West Virginia Claims Commission. Other causes of action must be brought in the West Virginia court authorized by statute to exercise jurisdiction over it.

not limit the State or A	AMAGES: This clause shall in no way be cons gency's right to pursue any other available rem the amount specified below or as described in the same of	iedy. Vendor shall pay
	for	*
Liquidated Da	amages Contained in the Specifications.	
Liquidated Da	amages Are Not Included in this Contract.	

- 12. ACCEPTANCE: Vendor's signature on its bid, or on the certification and signature page, constitutes an offer to the State that cannot be unilaterally withdrawn, signifies that the product or service proposed by vendor meets the mandatory requirements contained in the Solicitation for that product or service, unless otherwise indicated, and signifies acceptance of the terms and conditions contained in the Solicitation unless otherwise indicated.
- 13. PRICING: The pricing set forth herein is firm for the life of the Contract, unless specified elsewhere within this Solicitation/Contract by the State. A Vendor's inclusion of price adjustment provisions in its bid, without an express authorization from the State in the Solicitation to do so, may result in bid disqualification. Notwithstanding the foregoing, Vendor must extend any publicly advertised sale price to the State and invoice at the lower of the contract price or the publicly advertised sale price.
- 14. PAYMENT IN ARREARS: Payments for goods/services will be made in arrears only upon receipt of a proper invoice, detailing the goods/services provided or receipt of the goods/services, whichever is later. Notwithstanding the foregoing, payments for software maintenance, licenses, or subscriptions may be paid annually in advance.
- 15. PAYMENT METHODS: Vendor must accept payment by electronic funds transfer and P-Card. (The State of West Virginia's Purchasing Card program, administered under contract by a banking institution, processes payment for goods and services through state designated credit cards.)
- 16. TAXES: The Vendor shall pay any applicable sales, use, personal property or any other taxes arising out of this Contract and the transactions contemplated thereby. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.

- 17. ADDITIONAL FEES: Vendor is not permitted to charge additional fees or assess additional charges that were not either expressly provided for in the solicitation published by the State of West Virginia, included in the Contract, or included in the unit price or lump sum bid amount that Vendor is required by the solicitation to provide. Including such fees or charges as notes to the solicitation may result in rejection of vendor's bid. Requesting such fees or charges be paid after the contract has been awarded may result in cancellation of the contract.
- 18. FUNDING: This Contract shall continue for the term stated herein, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise made available, this Contract becomes void and of no effect beginning on July 1 of the fiscal year for which funding has not been appropriated or otherwise made available. If that occurs, the State may notify the Vendor that an alternative source of funding has been obtained and thereby avoid the automatic termination. Non-appropriation or non-funding shall not be considered an event of default.
- 19. CANCELLATION: The Purchasing Division Director reserves the right to cancel this Contract immediately upon written notice to the vendor if the materials or workmanship supplied do not conform to the specifications contained in the Contract. The Purchasing Division Director may also cancel any purchase or Contract upon 30 days written notice to the Vendor in accordance with West Virginia Code of State Rules § 148-1-5.2.b.
- 20. TIME: Time is of the essence regarding all matters of time and performance in this Contract.
- 21. APPLICABLE LAW: This Contract is governed by and interpreted under West Virginia law without giving effect to its choice of law principles. Any information provided in specification manuals, or any other source, verbal or written, which contradicts or violates the West Virginia Constitution, West Virginia Code, or West Virginia Code of State Rules is void and of no effect.
- 22. COMPLIANCE WITH LAWS: Vendor shall comply with all applicable federal, state, and local laws, regulations and ordinances. By submitting a bid, Vendor acknowledges that it has reviewed, understands, and will comply with all applicable laws, regulations, and ordinances.
  - SUBCONTRACTOR COMPLIANCE: Vendor shall notify all subcontractors providing commodities or services related to this Contract that as subcontractors, they too are required to comply with all applicable laws, regulations, and ordinances. Notification under this provision must occur prior to the performance of any work under the contract by the subcontractor.
- 23. ARBITRATION: Any references made to arbitration contained in this Contract, Vendor's bid, or in any American Institute of Architects documents pertaining to this Contract are hereby deleted, void, and of no effect.

- 24. MODIFICATIONS: This writing is the parties' final expression of intent.

  Notwithstanding anything contained in this Contract to the contrary no modification of this Contract shall be binding without mutual written consent of the Agency, and the Vendor, with approval of the Purchasing Division and the Attorney General's office (Attorney General approval is as to form only). Any change to existing contracts that adds work or changes contract cost, and were not included in the original contract, must be approved by the Purchasing Division and the Attorney General's Office (as to form) prior to the implementation of the change or commencement of work affected by the change.
- 25. WAIVER: The failure of either party to insist upon a strict performance of any of the terms or provision of this Contract, or to exercise any option, right, or remedy herein contained, shall not be construed as a waiver or a relinquishment for the future of such term, provision, option, right, or remedy, but the same shall continue in full force and effect. Any waiver must be expressly stated in writing and signed by the waiving party.
- 26. SUBSEQUENT FORMS: The terms and conditions contained in this Contract shall supersede any and all subsequent terms and conditions which may appear on any form documents submitted by Vendor to the Agency or Purchasing Division such as price lists, order forms, invoices, sales agreements, or maintenance agreements, and includes internet websites or other electronic documents. Acceptance or use of Vendor's forms does not constitute acceptance of the terms and conditions contained thereon.
- 27. ASSIGNMENT: Neither this Contract nor any monies due, or to become due hereunder, may be assigned by the Vendor without the express written consent of the Agency, the Purchasing Division, the Attorney General's office (as to form only), and any other government agency or office that may be required to approve such assignments.
- 28. WARRANTY: The Vendor expressly warrants that the goods and/or services covered by this Contract will: (a) conform to the specifications, drawings, samples, or other description furnished or specified by the Agency; (b) be merchantable and fit for the purpose intended; and (c) be free from defect in material and workmanship.
- 29. STATE EMPLOYEES: State employees are not permitted to utilize this Contract for personal use and the Vendor is prohibited from permitting or facilitating the same.
- 30. PRIVACY, SECURITY, AND CONFIDENTIALITY: The Vendor agrees that it will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the Agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the Agency's policies, procedures, and rules. Vendor further agrees to comply with the Confidentiality Policies and Information Security Accountability Requirements, set forth in <a href="http://www.state.wv.us/admin/purchase/privacy/default.html">http://www.state.wv.us/admin/purchase/privacy/default.html</a>.

31. YOUR SUBMISSION IS A PUBLIC DOCUMENT: Vendor's entire response to the Solicitation and the resulting Contract are public documents. As public documents, they will be disclosed to the public following the bid/proposal opening or award of the contract, as required by the competitive bidding laws of West Virginia Code §§ 5A-3-1 et seq., 5-22-1 et seq., and 5G-1-1 et seq. and the Freedom of Information Act West Virginia Code §§ 29B-1-1 et seq.

DO NOT SUBMIT MATERIAL YOU CONSIDER TO BE CONFIDENTIAL, A TRADE SECRET, OR OTHERWISE NOT SUBJECT TO PUBLIC DISCLOSURE.

Submission of any bid, proposal, or other document to the Purchasing Division constitutes your explicit consent to the subsequent public disclosure of the bid, proposal, or document. The Purchasing Division will disclose any document labeled "confidential," "proprietary," "trade secret," "private," or labeled with any other claim against public disclosure of the documents, to include any "trade secrets" as defined by West Virginia Code § 47-22-1 et seq. All submissions are subject to public disclosure without notice.

32. LICENSING: In accordance with West Virginia Code of State Rules § 148-1-6.1.e, Vendor must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, West Virginia Insurance Commission, or any other state agency or political subdivision. Obligations related to political subdivisions may include, but are not limited to, business licensing, business and occupation taxes, inspection compliance, permitting, etc. Upon request, the Vendor must provide all necessary releases to obtain information to enable the Purchasing Division Director or the Agency to verify that the Vendor is licensed and in good standing with the above entities.

SUBCONTRACTOR COMPLIANCE: Vendor shall notify all subcontractors providing commodities or services related to this Contract that as subcontractors, they too are required to be licensed, in good standing, and up-to-date on all state and local obligations as described in this section. Obligations related to political subdivisions may include, but are not limited to, business licensing, business and occupation taxes, inspection compliance, permitting, etc. Notification under this provision must occur prior to the performance of any work under the contract by the subcontractor.

33. ANTITRUST: In submitting a bid to, signing a contract with, or accepting a Award Document from any agency of the State of West Virginia, the Vendor agrees to convey, sell, assign, or transfer to the State of West Virginia all rights, title, and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the State of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the State of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to Vendor.

34. VENDOR NON-CONFLICT: Neither Vendor nor its representatives are permitted to have any interest, nor shall they acquire any interest, direct or indirect, which would compromise the performance of its services hereunder. Any such interests shall be promptly presented in detail to the Agency.

Revised 11/1/2022

35. VENDOR RELATIONSHIP: The relationship of the Vendor to the State shall be that of an independent contractor and no principal-agent relationship or employer-employee relationship is contemplated or created by this Contract. The Vendor as an independent contractor is solely liable for the acts and omissions of its employees and agents. Vendor shall be responsible for selecting, supervising, and compensating any and all individuals employed pursuant to the terms of this Solicitation and resulting contract. Neither the Vendor, nor any employees or subcontractors of the Vendor, shall be deemed to be employees of the State for any purpose whatsoever. Vendor shall be exclusively responsible for payment of employees and contractors for all wages and salaries, taxes, withholding payments, penalties, fees, fringe benefits, professional liability insurance premiums, contributions to insurance and pension, or other deferred compensation plans, including but not limited to, Workers' Compensation and Social Security obligations, licensing fees, etc. and the filing of all necessary documents, forms, and returns pertinent to all of the foregoing.

Vendor shall hold harmless the State, and shall provide the State and Agency with a defense against any and all claims including, but not limited to, the foregoing payments, withholdings, contributions, taxes, Social Security taxes, and employer income tax returns.

- 36. INDEMNIFICATION: The Vendor agrees to indemnify, defend, and hold harmless the State and the Agency, their officers, and employees from and against: (1) Any claims or losses for services rendered by any subcontractor, person, or firm performing or supplying services, materials, or supplies in connection with the performance of the Contract; (2) Any claims or losses resulting to any person or entity injured or damaged by the Vendor, its officers, employees, or subcontractors by the publication, translation, reproduction, delivery, performance, use, or disposition of any data used under the Contract in a manner not authorized by the Contract, or by Federal or State statutes or regulations; and (3) Any failure of the Vendor, its officers, employees, or subcontractors to observe State and Federal laws including, but not limited to, labor and wage and hour laws.
- 37. NO DEBT CERTIFICATION: In accordance with West Virginia Code §§ 5A-3-10a and 5-22-1(i), the State is prohibited from awarding a contract to any bidder that owes a debt to the State or a political subdivision of the State. By submitting a bid, or entering into a contract with the State, Vendor is affirming that (1) for construction contracts, the Vendor is not in default on any monetary obligation owed to the state or a political subdivision of the state, and (2) for all other contracts, neither the Vendor nor any related party owe a debt as defined above, and neither the Vendor nor any related party are in employer default as defined in the statute cited above unless the debt or employer default is permitted under the statute.
- **38. CONFLICT OF INTEREST:** Vendor, its officers or members or employees, shall not presently have or acquire an interest, direct or indirect, which would conflict with or compromise the performance of its obligations hereunder. Vendor shall periodically inquire of its officers, members and employees to ensure that a conflict of interest does not arise. Any conflict of interest discovered shall be promptly presented in detail to the Agency.

- 39. REPORTS: Vendor shall provide the Agency and/or the Purchasing Division with the following reports identified by a checked box below:

  Such reports as the Agency and/or the Purchasing Division may request. Requested reports may include, but are not limited to, quantities purchased, agencies utilizing the contract, total
- Quarterly reports detailing the total quantity of purchases in units and dollars, along with a listing of purchases by agency. Quarterly reports should be delivered to the Purchasing Division via email at <a href="mailto:purchasing.division@wv.gov">purchasing.division@wv.gov</a>.
- 40. BACKGROUND CHECK: In accordance with W. Va. Code § 15-2D-3, the State reserves the right to prohibit a service provider's employees from accessing sensitive or critical information or to be present at the Capitol complex based upon results addressed from a criminal background check. Service providers should contact the West Virginia Division of Protective Services by phone at (304) 558-9911 for more information.
- 41. PREFERENCE FOR USE OF DOMESTIC STEEL PRODUCTS: Except when authorized by the Director of the Purchasing Division pursuant to W. Va. Code § 5A-3-56, no contractor may use or supply steel products for a State Contract Project other than those steel products made in the United States. A contractor who uses steel products in violation of this section:
  - a. "State Contract Project" means any erection or construction of, or any addition to, alteration of or other improvement to any building or structure, including, but not limited to, roads or highways, or the installation of any heating or cooling or ventilating plants or with the State of West Virginia for which bids were solicited on or after June 6, 2001.
- b. "Steel Products" means products rolled, formed, shaped, drawn, extruded, forged, cast, fabricated or otherwise similarly processed, or processed by a combination of two or more or such operations, from steel made by the open heath, basic oxygen, electric furnace, Bessemer or other steel making process.
- c. The Purchasing Division Director may, in writing, authorize the use of foreign steel products if:
  - 1. The cost for each contract item used does not exceed one tenth of one percent (.1%) of the total contract cost or two thousand five hundred dollars (\$2,500.00), whichever is greater. For the purposes of this section, the cost is the value of the steel product as delivered to the project; or
  - 2. The Director of the Purchasing Division determines that specified steel materials are not produced in the United States in sufficient quantity or otherwise are not reasonably available to meet contract requirements.

42. PREFERENCE FOR USE OF DOMESTIC ALUMINUM, GLASS, AND STEEL: In Accordance with W. Va. Code § 5-19-1 et seq., and W. Va. CSR § 148-10-1 et seq., for every contract or subcontract, subject to the limitations contained herein, for the construction, alteration, repair, improvement or maintenance of public works or for the purchase of any item of machinery or equipment to be used at sites of public works, only domestic aluminum, glass or steel products shall be supplied unless the spending officer determines, in writing, after the receipt of offers or bids, (1) that the cost of domestic aluminum, glass or steel products is unreasonable or inconsistent with the public interest of the aluminum, glass or steel products are not produced in State of West Virginia, (2) that domestic aluminum, glass or steel products are not produced in sufficient quantities to meet the contract requirements, or (3) the available domestic aluminum, glass, or steel do not meet the contract specifications. This provision only applies to public works contracts awarded in an amount more than fifty thousand dollars (\$50,000) or public works contracts that require more than ten thousand pounds of steel products.

The cost of domestic aluminum, glass, or steel products may be unreasonable if the cost is more than twenty percent (20%) of the bid or offered price for foreign made aluminum, glass, or steel products. If the domestic aluminum, glass or steel products to be supplied or produced in a "substantial labor surplus area", as defined by the United States Department of Labor, the cost of domestic aluminum, glass, or steel products may be unreasonable if the cost is more than of thirty percent (30%) of the bid or offered price for foreign made aluminum, glass, or steel products. This preference shall be applied to an item of machinery or equipment, as indicated products. This preference shall be applied to an item of machinery manufactured primarily of above, when the item is a single unit of equipment or machinery manufactured primarily of aluminum, glass or steel, is part of a public works contract and has the sole purpose or of being a permanent part of a single public works project. This provision does not apply to equipment or machinery purchased by a spending unit for use by that spending unit and not as part of a single public works project.

All bids and offers including domestic aluminum, glass or steel products that exceed bid or offer prices including foreign aluminum, glass or steel products after application of the preferences provided in this provision may be reduced to a price equal to or lower than the lowest bid or provided in this provision may be reduced to a price equal to or lower than the lowest bid or offer price for foreign aluminum, glass or steel products plus the applicable preference. If the offer price for foreign aluminum, glass or steel products plus the applicable preference, all reduced bid or offer prices are made in writing and supersede the prior bid or offer prices, all bids or offers, including the reduced bid or offer prices, will be reevaluated in accordance with this rule.

43. INTERESTED PARTY SUPPLEMENTAL DISCLOSURE: W. Va. Code § 6D-1-2 requires that for contracts with an actual or estimated value of at least \$1 million, the Vendor must submit to the Agency a disclosure of interested parties prior to beginning work under this Contract. Additionally, the Vendor must submit a supplemental disclosure of interested parties reflecting any new or differing interested parties to the contract, which were not included in the original pre-work interested party disclosure, within 30 days following the completion or termination of the contract. A copy of that form is included with this completion or can be obtained from the WV Ethics Commission. This requirement does not solicitation or can be obtained from the WV Ethics Commission. This requirement does not apply to publicly traded companies listed on a national or international stock exchange. A more detailed definition of interested parties can be obtained from the form referenced above.

- 44. PROHIBITION AGAINST USED OR REFURBISHED: Unless expressly permitted in the solicitation published by the State, Vendor must provide new, unused commodities, and is prohibited from supplying used or refurbished commodities, in fulfilling its responsibilities under this Contract.
- **45. VOID CONTRACT CLAUSES:** This Contract is subject to the provisions of West Virginia Code § 5A-3-62, which automatically voids certain contract clauses that violate State law.
- **46. ISRAEL BOYCOTT:** Bidder understands and agrees that, pursuant to W. Va. Code § 5A-3-63, it is prohibited from engaging in a boycott of Israel during the term of this contract.

## ADDITIONAL TERMS AND CONDITIONS (Architectural and Engineering Contracts Only)

- 1. PLAN AND DRAWING DISTRIBUTION: All plans and drawings must be completed and available for distribution at least five business days prior to a scheduled pre-bid meeting for the construction or other work related to the plans and drawings.
- 2. PROJECT ADDENDA REQUIREMENTS: The Architect/Engineer and/or Agency shall be required to abide by the following schedule in issuing construction project addenda. The Architect/Engineer shall prepare any addendum materials for which it is responsible, and a list of all vendors that have obtained drawings and specifications for the project. The Architect/Engineer shall then send a copy of the addendum materials and the list of vendors to Architect/Engineer shall then send a copy of the addendum materials and the list of vendors to the State Agency for which the contract is issued to allow the Agency to make any necessary modifications. The addendum and list shall then be forwarded to the Purchasing Division buyer by the Agency. The Purchasing Division buyer shall send the addendum to all interested vendors and, if necessary, extend the bid opening date. Any addendum should be received by the Purchasing Division at least fourteen (14) days prior to the bid opening date.
  - 3. PRE-BID MEETING RESPONSIBILITIES: The Architect/Engineer shall be available to attend any pre-bid meeting for the construction or other work resulting from the plans, drawings, or specifications prepared by the Architect/Engineer.
  - **4. AIA DOCUMENTS:** All construction contracts that will be completed in conjunction with architectural services procured under Chapter 5G of the West Virginia Code will be governed by the attached AIA documents, as amended by the Supplementary Conditions for the State of West Virginia, in addition to the terms and conditions contained herein. The terms and conditions of Virginia, in addition to the terms and conditions contained in the AIA Documents or the Supplementary this document shall prevail over anything contained in the AIA Documents or the Supplementary Conditions.
  - 5. GREEN BUILDINGS MINIMUM ENERGY STANDARDS: In accordance with West Virginia Code § 22-29-4, all new building construction projects of public agencies that have not entered the schematic design phase prior to July 1, 2012, or any building construction project receiving state grant funds and appropriations, including public schools, that have not entered the schematic design phase prior to July1, 2012, shall be designed and constructed complying with schematic design phase prior to July1, 2012, shall be designed and constructed complying with the ICC International Energy Conservation Code, adopted by the State Fire Commission, and the ANSI/ASHRAE/IESNA Standard 90.1-2007: Provided, That if any construction project has a commitment of federal funds to pay for a portion of such project, this provision shall only apply to the extent such standards are consistent with the federal standards.

**DESIGNATED CONTACT:** Vendor appoints the individual identified in this Section as the Contract Administrator and the initial point of contact for matters relating to this Contract.

(Printed Name and Title) Samuel Rich, PLA   Principal
(Address) 155 Blue Angel Lane   Beaver, WV 25813
(Phone Number) / (Fax Number) 304-431-7800 / 304-425-0445
(Email address) srich@thethrashergroup.com

CERTIFICATION AND SIGNATURE: By signing below, or submitting documentation through wvOASIS, I certify that: I have reviewed this Solicitation/Contract in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation/Contract for that product or service, unless otherwise stated herein; that the Vendor accepts the terms and conditions contained in the Solicitation, unless otherwise stated herein; that I am submitting this bid, offer or proposal for review and consideration; that this bid or offer was made without prior understanding, agreement, or connection with any entity submitting a bid or offer for the same material, supplies, equipment or services; that this bid or offer is in all respects fair and without collusion or fraud; that this Contract is accepted or entered into without any prior understanding, agreement, or connection to any other entity that could be considered a violation of law; that I am authorized by the Vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on Vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

By signing below, I further certify that I understand this Contract is subject to the provisions of West Virginia Code § 5A-3-62, which automatically voids certain contract clauses that violate State law; and that pursuant to W. Va. Code 5A-3-63, the entity entering into this contract is prohibited from engaging in a boycott against Israel.

The Thrasher Group, Inc.	
(Company) Samuel A Rich	
(Signature of Authorized Representative)	
Samuel Rich	
(Printed Name and Title of Authorized Representative) (Date) 304-431-7800 / 304-425-0445	
(Phone Number) (Fax Number)	
srich@thethrashergroup.com	
(Email Address)	_

THE THRASHER GROUP, INC. FOR ENGINEERING SERVICES

WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL **PROTECTION** OFFICE OF ABANDONED MINE LANDS AND RECLAMATION

**2023 AML S4 CONTRACT BRANCHLAND PORTALS** LINCOLN COUNTY, WEST VIRGINIA

WVDEP CEOI: 0313-DEP24\*04

MAY 8, 2024

THRASHER PROJECT #T30-11378

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## SECTION 1 PROPOSAL BASIS AND NEED FOR PROJECT

#### PROPOSAL BASIS

The Branchland Portals project is one of twelve (12) projects included in the 2023 AML S4 contract. This proposal is based on the notification received from the WVDEP initiating negotiations for the 2023 AML S4 contract dated November 13, 2023.

Work associated with this project and described in this proposal will be performed at our Beaver Office:

The Thrasher Group, Inc. 155 Blue Angel Lane Beaver, WV 25813

## PROJECT UNDERSTANDING

The Branchland Portals project is located off 4 Mile Creek Road along Trace Fork in Branchland, Lincoln County. The general project consists of:

- Evaluation of three (3) mine portals and the potential three (3) portal closures.
- Approximately 200 LF of channel installation (riprap and/or grouted riprap) for mine water conveyance.
- Approximately 2,300 LF of access road construction.

This is a general overview of the project design. Should unforeseen conditions be discovered that requires additional design consideration, TTG will notify the WVDEP prior to proceeding with that design work.

#### SECTION 2 PROPOSED SCOPE OF SERVICES

The following scope of work was prepared based on information collected from the site visit conducted in December 2023 and additional information included in the OSM-51, originally dated 7/8/87 and updated in December 2022.

The Thrasher Group and its subconsultants (collectively TTG) will perform the following tasks as described. Please note, all subconsultant(s) prices are included in the cost summary.

#### TASK I: NEPA and ESA

#### **TASK I-A: AGENCY COORDINATION**

This task includes coordination with the WVDEP, Environmental Assessment (EA), Bat Habitat Assessment of portals and office work. Any work required for AMLNET is also included.

TTG will prepare and submit an EA to the Office of Surface Mining & Reclamation Enforcement (OSMRE) and address any comments or concerns from OSMRE.

TTG will conduct a Phase I bat assessment for all open portals associated with the project for possible bat habitat. Work associated with conducting bat habit assessments must be completed by qualified biologists.

The services to be provided will include conducting the Bat Habitat Assessment of all open portals and writing the associated report for this project, as well as any necessary discussions with TTG personnel to incorporate avoidance, minimization, or mitigation actions necessary for the project.

#### **TASK II: REALTY**

TTG will research legal ownership of properties by conducting a thorough search of deed records at the appropriate county courthouse that's local to the project and provide copies of the legal documentation to substantiate legal ownership findings for the properties located within the project area. Employees and/or subcontractors hired to perform realty related work will be familiar with the proper techniques and procedures in property research. TTG will contact the landowner(s) and acquire all Rights of Entry including Exploratory Rights of Entry (EROE), Construction Rights of Entry (CROE), and temporary and permanent ingress/egress rights for projects. Furthermore, TTG's Realty Agent will provide progress information on the WVDEP/AMLNET system as required. The Realty Agent will communicate with WVDEP's Real Estate Representative as to progress of landowner negotiations, landowner questions to be addressed, and status of landowner agreements. If a landowner requests to be an additional insurer, the landowners making the request will be added as an additional insurer. TTG's Realty Agent that conducted landowner negotiations and acquired the rights of entry will attend the prebid and pre-construction meetings to address any realty related issues. Consideration will be given to the fact that ownership can also change during the period between a pre-bid and pre-construction and

would require new CROE agreement(s). CROE Realty packets will be updated to make sure that no property has changed ownership prior to the actual Pre- Construction meeting and if so, new agreements will be obtained. Pre-Construction photos of the site(s) will be taken and uploaded into AMLNET along with the EROE and CROE Realty packets. It is assumed that TTG's personnel will have access to AMLNET. If there is a dispute or question as to boundary lines, an attempt will be made to sign up both sides/owners in efforts to avoid a boundary survey. Boundary Surveys conducted by a WV licensed Land Surveyor or title opinions to be completed by an attorney in efforts to resolve boundary disputes and ownership will be discussed with DEP Engineers and Realty before taking any action.

#### TASK II-A: EXPLORATORY RIGHT OF ENTRY (EROE)

This task includes all work conducted during EROE negotiations as detailed above.

#### TASK II-B: CONSTRUCTION RIGHT OF ENTRY (CROE)

This task includes all work conducted during CROE negotiations as detailed above.

#### TASK II-C: PRE-BID MEETING NOTICE

TTG will notify all property owners of the upcoming pre-bid meeting. Realty agent or representative will attend pre-bid meeting.

#### TASK II-D: PRE-CONSTRUCTION CONFERENCE NOTICE

TTG will notify all property owners of the upcoming pre-construction meeting. Realty agent or representative will attend pre-construction conference.

#### TASK III: DESIGN

### TASK III-A: SITE RECONNAISSANCE AND INVESTIGATIONS

This task includes the initial site visit and all work conducted in preparing this scope of services.

#### TASK III-B: SURVEY AND MAPPING

TTG will deploy a 2-man survey crew to the site to survey the project area. This survey will include,

- survey crew will set a minimum of three (3) control points at the project site.
- Start of access road and centerline of access road to portal locations.
- Each of the three (3) portal locations.
- Observed existing structures such as, but not limited to, utilities, creek crossing(s), and/or structures.
- Should property corners be observed during the survey activity, those corners will be incorporated into the survey as a data point.

#### TASK III-C: GEOTECHNICAL INVESTIGATION

Geotechnical investigation will not be required for this project.

#### TASK III-D: ANALYSIS AND DESIGN

After the surveying is complete, TTG will develop a conceptual plan. A meeting will be held with WVDEP onsite to review the design. If the design approach is agreed upon, TTG will proceed to final engineering design and development of construction drawings.

## TASK III-E: PREPARATION OF PLANS, SPECIFICATIONS, AND ENGINEERS ESTIMATE

TTG will develop the preliminary design package and incorporate the approved conceptual design. Deliverables will include engineering plans, specifications, and estimates. A detailed Engineer's Construction Cost Estimate (ECCE), Engineer's Construction Time Estimate (ECTE), and bid sheet will be developed. The preliminary design will be forwarded to the WVDEP for review and comments. After addressing these comments, TTG will submit the final design package and update the ECCE, ECTE, and bid sheet, if necessary.

This proposal includes a maximum of four (4) review sessions by the WVDEP. The reviews will occur at the following milestones: 30% design, 60% design, 80% design, and 100% design. Plans, design report, specifications, bid sheet, construction cost estimate, and construction time estimate will be submitted to the WVDEP electronically for each review milestone.

The follow is an anticipated project schedule based on the assumption of receiving a Purchase Order by July 1, 2023.

Branchland Portals	Estimated Date Range		
NEPA and ESA	7/15/2024	7/19/2024	
Realty	7/4/2024	7/8/2024	
Survey	7/9/2024	7/10/2024	
Design	7/11/2024	7/25/2024	
Pre-bid Meeting	9/23/2024	.,,	

This schedule does not include estimated dates for approved permits and/or time required to prepare and assign a pre-bid date for the project.

#### TASK III-F: PERMITTING

TTG will prepare and submit a Construction National Pollutant Discharge Elimination System Storm Water permit (NPDES). If necessary, TTG will address comments from the WVDEP associated with the application.

## COST PROPOSAL 2023 AML S4 CONTRACT BRANCHLAND PORTALS

### BRAINCHLAIND PORTALS LINCOLN COUNTY, WEST VIRGINIA

TTG anticipates a WVDOH MM-109 permit will be required as access to the project area will be off Four Mile Creek Road. TTG will prepare and submit the WVDOH MM-109 permit and, if necessary, will address comments from the WVDOH associated with the application.

TTG does not anticipate additional permits for the project will be required. Should unforeseen conditions be discovered that requires a permit, TTG will notify the WVDEP prior to proceeding with permit application preparation. TTG anticipates WVDEP will consult other agencies, if required.

#### TASK III-G: PRE-BID CONFERENCE

TTG will work with the WVDEP to prepare, schedule, and conduct the pre-bid meeting.

- a. Work with the WVDEP to establish a pre-bid date.
- b. Provide pre-bid documents such as plans, specifications, and sign in sheet.
- c. Attend and conduct the pre-bid meeting onsite.
- d. Assist WVDEP with addendums, as needed.

### TASK III-H: PRE-CONSTRUCTION CONFERENCE

TTG will work with the WVDEP to prepare, schedule, and conduct the preconstruction meeting.

- a. Provide preconstruction documents such as plans, specifications, sign in sheet, and other required documents.
- b. Attend one (1) pre-construction conference onsite.

#### TASK IV - CONSTRUCTION OVERSIGHT

TTG will provide construction oversite for this project. This includes a Resident Project Representative (RPR) who will be on-site daily to observe construction activities. For this proposal, construction time is assumed to be eight (8) hours per day, five (5) days per week for eight (8) weeks. Mileage is assumed to be from Beaver, WV and a per diem of \$50.00. One site visit for the project manager/designer during construction to ensure the contractor is adhering to approved plans and specifications. TTG will conduct inspection reports and input the information into AMLNET. At the conclusion of construction, TTG will certify the project was built in accordance with the plans and specifications.

TTG will conduct wage rate interviews and ensure certified payrolls are submitted with payment applications in compliance with the Davis-Bacon Act.

#### **TASK V - POST-CONSTRUCTION OVERSIGHT**

A TTG project manager/designer will review the as-built plans provided by the contractor following construction, the construction oversight documentation and provide an as-built certification that project was completed according to plans, and/or within allowable exceptions.

TTG will provide a Resident Project Representative to monitor/inspect and document site conditions post-construction to verify project aspects are stable, operating as per the plans, and established.

- TTG has included two (2) site visits for post-construction oversight in this proposal.
- Should additional site visits be required or requested, those additional site visits can be included through change order.

Task V includes one (1) site visit for the project manager during final inspection.

#### **SECTION 3 COST ESTIMATE**

TTG will complete this project on a time and materials basis not to exceed the estimated costs provided in the Cost Summary without prior WVDEP approval. TTG will only invoice for time and expenses incurred.

Please note that the per diem rates provided in the proposal are a projection based on the Federal Per Diem Rates for the current year and project location. The calculated per diem costs included in this proposal are based on the anticipated number of days that will be required for site visits prior to construction, onsite RPR during construction, and site visits post construction. Per diem rates will be used for required single day trips and days that will require lodging near the project site. The Per Diem rates are as follows:

- Per Diem (meal only; no lodging required) \$50.00 per day.
- Per Diem w/ Lodging (meal & lodging) \$175 per day.
- Mileage \$0.70 per mile.

It is understood that TTG will ensure that all subcontractors are fully insured and have worker's compensation coverage. If you have any additional questions or need additional information, please let me know.

**SECTION 4 COST SUMMARY** 

THE THRASHER GROUP, INC. FOR ENGINEERING SERVICES

WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF ABANDONED MINE LANDS AND RECLAMATION

2023 AML S4 CONTRACT
BRANCHLAND PORTALS ROUTE 10
LINCOLN COUNTY, WEST VIRGINIA

WVDEP CEOI: 0313-DEP24\*04

MAY 8, 2024

THRASHER PROJECT #T30-11379

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## SECTION 1 PROPOSAL BASIS AND NEED FOR PROJECT

#### PROPOSAL BASIS

The Branchland Portals Route 10 project is one of twelve (12) projects included in the 2023 AML S4 contract. This proposal is based on the notification received from the WVDEP initiating negotiations for the 2023 AML S4 contract dated November 13, 2023.

Work associated with this project and described in this proposal will be performed at our Beaver Office:

The Thrasher Group, Inc. 155 Blue Angel Lane Beaver, WV 25813

### PROJECT UNDERSTANDING

The Branchland Portals Route 10 project is located off Route 10 in Branchland, Lincoln County. The general

- Evaluation of three (3) mine portals and the potential three (3) portal closure.
- Traffic control.
- Approximately 300 LF of Route 10 road shoulder repair.

This is a general overview of the project design. Should unforeseen conditions be discovered that requires additional design consideration, TTG will notify the WVDEP prior to proceeding with that design work.

## COST PROPOSAL 2023 AML S4 CONTRACT BRANCHLAND PORTALS ROUTE 10

LINCOLN COUNTY, WEST VIRGINIA

## SECTION 2 PROPOSED SCOPE OF SERVICES

The following scope of work was prepared based on information collected from the site visit conducted in December 2023 and additional information included in the OSM-51, originally dated 11/7/22 and updated in March 2023.

The Thrasher Group and its subconsultants (collectively TTG) will perform the following tasks as described. Please note, all subconsultant(s) prices are included in the cost summary.

### TASK I: NEPA and ESA

## TASK I-A: AGENCY COORDINATION

This task includes coordination with the WVDEP, Environmental Assessment (EA), Bat Habitat Assessment of portals and office work. Any work required for AMLNET is also included.

TTG will prepare and submit an EA to the Office of Surface Mining & Reclamation Enforcement (OSMRE) and address any comments or concerns from OSMRE.

TTG will conduct a Phase I Bat assessment for all open portals associated with the project for possible bat habitat. Work associated with conducting bat habit assessments must be completed by qualified biologists.

The services to be provided will include conducting the Bat Habitat Assessment of all open portals and writing the associated report for this project, as well as any necessary discussions with TTG personnel to incorporate avoidance, minimization, or mitigation actions necessary for the project.

#### TASK II: REALTY

TTG will research legal ownership of properties by conducting a thorough search of deed records at the appropriate county courthouse that's local to the project and provide copies of the legal documentation to substantiate legal ownership findings for the properties located within the project area. Employees and/or subcontractors hired to perform realty related work will be familiar with the proper techniques and procedures in property research. TTG will contact the landowner(s) and acquire all Rights of Entry including Exploratory Rights of Entry (EROE), Construction Rights of Entry (CROE), and temporary and permanent ingress/egress rights for projects. Furthermore, TTG's Realty Agent will provide progress information on the WVDEP/AMLNET system as required. The Realty Agent will communicate with WVDEP's Real Estate Representative as to progress of landowner negotiations, landowner questions to be addressed, and status of landowner agreements. If a landowner requests to be an additional insurer, the landowners making the request will be added as an additional insurer. TTG's Realty Agent that conducted landowner negotiations and acquired the rights of entry will attend the prebid and pre-construction meetings to address any realty related issues. Consideration will be given to the fact that ownership can also change during the period between a pre-bid and pre-construction and

#### 2023 AML S4 CONTRACT

## BRANCHLAND PORTALS ROUTE 10 LINCOLN COUNTY, WEST VIRGINIA

would require new CROE agreement(s). CROE Realty packets will be updated to make sure that no property has changed ownership prior to the actual Pre- Construction meeting and if so, new agreements will be obtained. Pre-Construction photos of the site(s) will be taken and uploaded into AMLNET along with the EROE and CROE Realty packets. It is assumed that TTG's personnel will have access to AMLNET. If there is a dispute or question as to boundary lines, an attempt will be made to sign up both sides/owners in efforts to avoid a boundary survey. Boundary Surveys conducted by a WV licensed Land Surveyor or title opinions to be completed by an attorney in efforts to resolve boundary disputes and ownership will be discussed with DEP Engineers and Realty before taking any action.

#### TASK II-A: EXPLORATORY RIGHT OF ENTRY (EROE)

This task includes all work conducted during EROE negotiations as detailed above.

#### TASK II-B: CONSTRUCTION RIGHT OF ENTRY (CROE)

This task includes all work conducted during CROE negotiations as detailed above.

#### TASK II-C: PRE-BID MEETING NOTICE

TTG will notify all property owners of the upcoming pre-bid meeting. Realty agent or representative will attend pre-bid meeting.

### TASK II-D: PRE-CONSTRUCTION CONFERENCE NOTICE

TTG will notify all property owners of the upcoming pre-construction meeting. Realty agent or representative will attend pre-construction conference.

#### **TASK III: DESIGN**

### TASK III-A: SITE RECONNAISSANCE AND INVESTIGATIONS

This task includes the initial site visit and all work conducted in preparing this scope of services.

#### TASK III-B: SURVEY AND MAPPING

TTG will deploy a 2-man survey crew to the site to survey the project area. This survey will include,

- survey crew will set a minimum of three (3) control points at the project site.
- Each of the three (3) portal locations.
- Observed existing structures such as, but not limited to, utilities, edge of asphalt pavement, possible staging area across the road, and/or structures.
- Should property corners be observed during the survey activity, those corners will be incorporated into the survey as a data point.

#### 2023 AML S4 CONTRACT

#### **BRANCHLAND PORTALS ROUTE 10** LINCOLN COUNTY, WEST VIRGINIA

#### TASK III-C: GEOTECHNICAL INVESTIGATION

Geotechnical investigation will not be required for this project.

#### TASK III-D: ANALYSIS AND DESIGN

After the surveying is complete, TTG will develop a conceptual plan. A meeting will be held with WVDEP onsite to review the design. If the design approach is agreed upon, TTG will proceed to final engineering design and development of construction drawings.

### TASK III-E: PREPARATION OF PLANS, SPECIFICATIONS, AND ENGINEERS ESTIMATE

TTG will develop the preliminary design package and incorporate the applicable concept and ideas discussed during the conceptual design meeting. Deliverables will include engineering plans, specifications, and estimates. A detailed Engineer's Construction Cost Estimate (ECCE), Engineer's Construction Time Estimate (ECTE), and bid sheet will be developed. The preliminary design will be forwarded to the WVDEP for review and comments. After addressing these comments, TTG will submit the final design package and update the ECCE, ECTE, and bid sheet, if necessary.

This proposal includes a maximum of four (4) review sessions by the WVDEP. The reviews will occur at the following milestones: 30% design, 60% design, 80% design, and 100% design. Plans, design report, specifications, bid sheet, construction cost estimate, and construction time estimate will be submitted to the WVDEP electronically for each review milestone.

The follow is an anticipated project schedule based on the assumption of receiving a Purchase Order by July 1, 2023.

Branchland Portals – Route 10	Estimated Date Range	nated Date Range	
NEPA and ESA	7/19/2024	7/24/2024	
Realty	7/8/2024	7/10/2024	
Survey	7/11/2024	7/15/2024	
Design	7/18/2024	7/31/2024	
Pre-bid Meeting	9/23/2024		

This schedule does not include estimated dates for approved permits and/or time required to prepare and assign a pre-bid date for the project.

#### 2023 AML S4 CONTRACT

#### BRANCHLAND PORTALS ROUTE 10 LINCOLN COUNTY, WEST VIRGINIA

#### **TASK III-F: PERMITTING**

TTG anticipate the project limits to be less than one (1) acre and does not anticipate the need for a Construction National Pollutant Discharge Elimination System Storm Water permit (NPDES).

TTG anticipates a WVDOH MM-109 permit will be required as access to the project area will be off Route 10. TTG will prepare and submit the WVDOH MM-109 permit and, if necessary, will address comments from the WVDOH associated with the application.

TTG does not anticipate additional permits for the project will be required. Should unforeseen conditions be discovered that requires a permit, TTG will notify the WVDEP prior to proceeding with permit application preparation. TTG anticipates WVDEP will consult other agencies, if required.

#### TASK III-G: PRE-BID CONFERENCE

TTG will work with the WVDEP to prepare, schedule, and conduct the pre-bid meeting.

- a. Work with the WVDEP to establish a pre-bid date.
- b. Provide pre-bid documents such as plans, specifications, and sign in sheet.
- c. Attend and conduct the pre-bid meeting onsite.
- d. Assist WVDEP with addendums, as needed.

### TASK III-H: PRE-CONSTRUCTION CONFERENCE

TTG will work with the WVDEP to prepare, schedule, and conduct the preconstruction meeting.

- a. Provide preconstruction documents such as plans, specifications, sign in sheet, and other required documents.
- b. Attend one (1) pre-construction conference onsite.

#### **TASK IV - CONSTRUCTION OVERSIGHT**

TTG will provide construction oversite for this project. This includes a Resident Project Representative (RPR) who will be on-site daily to observe construction activities. For this proposal, construction time is assumed to be eight (8) hours per day, five (5) days per week for eight (8) weeks. Mileage is assumed to be from Beaver, WV and a per diem of \$50.00. One site visit for the project manager/designer during construction to ensure the contractor is adhering to approved plans and specifications. TTG will conduct inspection reports and input the information into AMLNET. At the conclusion of construction, TTG will certify the project was built in accordance with the plans and specifications.

TTG will conduct wage rate interviews and ensure certified payrolls are submitted with payment applications in compliance with the Davis-Bacon Act.

#### 2023 AML S4 CONTRACT

## BRANCHLAND PORTALS ROUTE 10 LINCOLN COUNTY, WEST VIRGINIA

#### TASK V - POST-CONSTRUCTION OVERSIGHT

A TTG engineer will review the as-built plans provided by the contractor following construction, the construction oversight documentation and provide an as-built certification that project was completed according to plans, and/or with allowable exceptions.

TTG will provide a Resident Project Representative to monitor/inspect and document site conditions post-construction to verify project aspects are stable, operating as per the plans, and established.

- TTG has included three (3) site visits for post-construction oversight in this proposal.
- Should additional site visits be required or requested, those additional site visits can be included through change order.

Task V includes one (1) site visit for the project manager during final inspection.

#### **SECTION 3 COST ESTIMATE**

TTG will complete this project on a time and materials basis not to exceed the estimated costs provided in the Cost Summary without prior WVDEP approval. TTG will only invoice for time and expenses incurred.

Please note that the per diem rates provided in the proposal are a projection based on the Federal Per Diem Rates for the current year and project location. The calculated per diem costs included in this proposal are based on the anticipated number of days that will be required for site visits prior to construction, onsite RPR during construction, and site visits post construction. Per diem rates will be used for required single day trips and days that will require lodging near the project site. The Per Diem rates are as follows:

- Per Diem (meal only; no lodging required) \$50.00 per day.
- Per Diem w/ Lodging (meal & lodging) \$175 per day.
- Mileage \$0.70 per mile.

It is understood that TTG will ensure that all subcontractors are fully insured and have worker's compensation coverage. If you have any additional questions or need additional information, please let me know.

# COST PROPOSAL 2023 AML S4 CONTRACT BRANCHLAND PORTALS ROUTE 10 LINCOLN COUNTY, WEST VIRGINIA

# **SECTION 4 COST SUMMARY**

THE THRASHER GROUP, INC. FOR ENGINEERING SERVICES

WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL **PROTECTION** OFFICE OF ABANDONED MINE LANDS AND RECLAMATION

2023 AML S4 CONTRACT **BRANCHLAND HUBBALL A** LINCOLN COUNTY, WEST VIRGINIA

WVDEP CEOI: 0313-DEP24\*04

MAY 8, 2024

THRASHER PROJECT #T30-11380

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# SECTION 1 PROPOSAL BASIS AND NEED FOR PROJECT

## **PROPOSAL BASIS**

The Branchland Hubball A project is one of twelve (12) projects included in the 2023 AML S4 contract. This proposal is based on the notification received from the WVDEP initiating negotiations for the 2023 AML S4 contract dated November 13, 2023.

Work associated with this project and described in this proposal will be performed at our Beaver Office:

The Thrasher Group, Inc. 155 Blue Angel Lane Beaver, WV 25813

## PROJECT UNDERSTANDING

The Branchland Hubball A project is located at the intersection of McClellan Highway and Camp Branch Road (Rt 10/8) in Branchland, Lincoln County. The general project consists of:

- Evaluation of eight (8) mine portals and the potential eight (8) portal closures.
- Approximately 900 LF of access road repair.
- Approximately 2,200 LF of access road construction.

This is a general overview of the project design. Should unforeseen conditions be discovered that requires additional design consideration, TTG will notify the WVDEP prior to proceeding with that design work.

# SECTION 2 PROPOSED SCOPE OF SERVICES

The following scope of work was prepared based on information collected from the site visit conducted in December 2023 and additional information included in the OSM-51, originally dated 6/30/87 and updated in November 2022.

The Thrasher Group and its subconsultants (collectively TTG) will perform the following tasks as described. Please note, all subconsultant(s) prices are included in the cost summary.

#### TASK I: NEPA and ESA

## TASK I-A: AGENCY COORDINATION

This task includes coordination with the WVDEP, Environmental Assessment (EA), Bat Habitat Assessment of portals and office work. Any work required for AMLNET is also included.

TTG will prepare and submit an EA to the Office of Surface Mining & Reclamation Enforcement (OSMRE) and address any comments or concerns from OSMRE.

TTG will conduct a Phase I Bat assessment for all open portals associated with the project for possible bat habitat. Work associated with conducting bat habit assessments must be completed by qualified biologists.

The services to be provided will include conducting the Bat Habitat Assessment of all open portals and writing the associated report for this project, as well as any necessary discussions with TTG personnel to incorporate avoidance, minimization, or mitigation actions necessary for the project.

#### **TASK II: REALTY**

TTG will research legal ownership of properties by conducting a thorough search of deed records at the appropriate county courthouse that's local to the project and provide copies of the legal documentation to substantiate legal ownership findings for the properties located within the project area. Employees and/or subcontractors hired to perform realty related work will be familiar with the proper techniques and procedures in property research. TTG will contact the landowner(s) and acquire all Rights of Entry including Exploratory Rights of Entry (EROE), Construction Rights of Entry (CROE), and temporary and permanent ingress/egress rights for projects. Furthermore, TTG's Realty Agent will provide progress information on the WVDEP/AMLNET system as required. The Realty Agent will communicate with WVDEP's Real Estate Representative as to progress of landowner negotiations, landowner questions to be addressed, and status of landowner agreements. If a landowner requests to be an additional insurer, the landowners making the request will be added as an additional insurer. TTG's Realty Agent that conducted landowner negotiations and acquired the rights of entry will attend the prebid and pre-construction meetings to address any realty related issues. Consideration will be given to the fact that ownership can also change during the period between a pre-bid and pre-construction and

#### 2023 AML S4 CONTRACT

# BRANCHLAND HUBBALL A LINCOLN COUNTY, WEST VIRGINIA

would require new CROE agreement(s). CROE Realty packets will be updated to make sure that no property has changed ownership prior to the actual Pre- Construction meeting and if so, new agreements will be obtained. Pre-Construction photos of the site(s) will be taken and uploaded into AMLNET along with the EROE and CROE Realty packets. It is assumed that TTG's personnel will have access to AMLNET. If there is a dispute or question as to boundary lines, an attempt will be made to sign up both sides/owners in efforts to avoid a boundary survey. Boundary Surveys conducted by a WV licensed Land Surveyor or title opinions to be completed by an attorney in efforts to resolve boundary disputes and ownership will be discussed with DEP Engineers and Realty before taking any action.

## TASK II-A: EXPLORATORY RIGHT OF ENTRY (EROE)

This task includes all work conducted during EROE negotiations as detailed above.

# TASK II-B: CONSTRUCTION RIGHT OF ENTRY (CROE)

This task includes all work conducted during CROE negotiations as detailed above.

## TASK II-C: PRE-BID MEETING NOTICE

TTG will notify all property owners of the upcoming pre-bid meeting. Realty agent or representative will attend pre-bid meeting.

## TASK II-D: PRE-CONSTRUCTION CONFERENCE NOTICE

TTG will notify all property owners of the upcoming pre-construction meeting. Realty agent or representative will attend pre-construction conference.

#### TASK III: DESIGN

# TASK III-A: SITE RECONNAISSANCE AND INVESTIGATIONS

This task includes the initial site visit and all work conducted in preparing this scope of services.

## TASK III-B: SURVEY AND MAPPING

TTG will deploy a 2-man survey crew to the site to survey the project area. This survey will include,

- survey crew will set a minimum of three (3) control points at the project site.
- Start of access road (mine bench) and centerline of access road (mine bench) to portal locations.
- Each of the eight (8) portal locations.
- Observed existing structures such as, but not limited to, utilities, driveways, and/or structures.
- Should property corners be observed during the survey activity, those corners will be incorporated into the survey as a data point.

# TASK III-C: GEOTECHNICAL INVESTIGATION

Geotechnical investigation will not be required for this project.

# TASK III-D: ANALYSIS AND DESIGN

After the surveying is complete, TTG will develop a conceptual plan. A meeting will be held with WVDEP onsite to review the design. If the design approach is agreed upon, TTG will proceed to final engineering design and development of construction drawings.

# TASK III-E: PREPARATION OF PLANS, SPECIFICATIONS, AND ENGINEERS ESTIMATE

TTG will develop the preliminary design package and incorporate the applicable concept and ideas discussed during the conceptual design meeting. Deliverables will include engineering plans, specifications, and estimates. A detailed Engineer's Construction Cost Estimate (ECCE), Engineer's Construction Time Estimate (ECTE), and bid sheet will be developed. The preliminary design will be forwarded to the WVDEP for review and comments. After addressing these comments, TTG will submit the final design package and update the ECCE, ECTE, and bid sheet, if necessary.

This proposal includes a maximum of four (4) review sessions by the WVDEP. The reviews will occur at the following milestones: 30% design, 60% design, 80% design, and 100% design. Plans, design report, specifications, bid sheet, construction cost estimate, and construction time estimate will be submitted to the WVDEP electronically for each review milestone.

The follow is an anticipated project schedule based on the assumption of receiving a Purchase Order by July 1, 2023.

Branchland – Hubble A	Estimated Date Range	
NEPA and ESA	7/29/2024	
Realty	7/8/2024	8/6/2024
Survey		7/12/2024
Design	7/15/2024	7/19/2024
	7/24/2024	8/14/2024
Pre-bid Meeting	10/13/2024	0/14/2024

This schedule does not include estimated dates for approved permits and/or time required to prepare and assign a pre-bid date for the project.

# TASK III-F: PERMITTING

TTG will prepare and submit a Construction National Pollutant Discharge Elimination System Storm Water permit (NPDES). If necessary, TTG will address comments from the WVDEP associated with the application.

# **COST PROPOSAL** 2023 AML S4 CONTRACT BRANCHLAND HUBBALL A

# LINCOLN COUNTY, WEST VIRGINIA

TTG does not anticipate a WVDOH MM-109 permit will be required for this project.

TTG does not anticipate additional permits for the project will be required. Should unforeseen conditions be discovered that requires a permit, TTG will notify the WVDEP prior to proceeding with permit application preparation. TTG anticipates WVDEP will consult other agencies, if required.

# TASK III-G: PRE-BID CONFERENCE

TTG will work with the WVDEP to prepare, schedule, and conduct the pre-bid meeting.

- a. Work with the WVDEP to establish a pre-bid date.
- b. Provide pre-bid documents such as plans, specifications, and sign in sheet.
- c. Attend and conduct the pre-bid meeting onsite.
- d. Assist WVDEP with addendums, as needed.

# TASK III-H: PRE-CONSTRUCTION CONFERENCE

TTG will work with the WVDEP to prepare, schedule, and conduct the preconstruction meeting.

- a. Provide preconstruction documents such as plans, specifications, sign in sheet, and other required documents.
- b. Attend one (1) pre-construction conference onsite.

# TASK IV - CONSTRUCTION OVERSIGHT

TTG will provide construction oversite for this project. This includes a Resident Project Representative (RPR) who will be on-site daily to observe construction activities. For this proposal, construction time is assumed to be eight (8) hours per day, five (5) days per week for eight (8) weeks. Mileage is assumed to be from Beaver, WV and a per diem of \$50.00. One site visit for the project manager/designer during construction to ensure the contractor is adhering to approved plans and specifications. TTG will conduct inspection reports and input the information into AMLNET. At the conclusion of construction, TTG will certify the project was built in accordance with the plans and specifications.

TTG will conduct wage rate interviews and ensure certified payrolls are submitted with payment applications in compliance with the Davis-Bacon Act.

# TASK V - POST-CONSTRUCTION OVERSIGHT

A TTG engineer will review the as-built plans provided by the contractor following construction, the construction oversight documentation and provide an as-built certification that project was completed according to plans, and/or with allowable exceptions.

TTG will provide a Resident Project Representative to monitor/inspect and document site conditions post-construction to verify project aspects are stable, operating as per the plans,

- TTG has included three (3) site visits for post-construction oversight in this proposal.
- Should additional site visits be required or requested, those additional site visits can be included through change order.

Task V includes one (1) site visit for the project manager during final inspection.

# SECTION 3 COST ESTIMATE

TTG will complete this project on a time and materials basis not to exceed the estimated costs provided in the Cost Summary without prior WVDEP approval. TTG will only invoice for time and

Please note that the per diem rates provided in the proposal are a projection based on the Federal Per Diem Rates for the current year and project location. The calculated per diem costs included in this proposal are based on the anticipated number of days that will be required for site visits prior to construction, onsite RPR during construction, and site visits post construction. Per diem rates will be used for required single day trips and days that will require lodging near the project site. The Per Diem

- Per Diem (meal only; no lodging required) \$50.00 per day.
- Per Diem w/ Lodging (meal & lodging) \$175 per day.
- Mileage \$0.70 per mile.

It is understood that TTG will ensure that all subcontractors are fully insured and have worker's compensation coverage. If you have any additional questions or need additional information, please

SECTION 4 COST SUMMARY

THE THRASHER GROUP, INC. FOR ENGINEERING SERVICES

**WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION** OFFICE OF ABANDONED MINE LANDS AND RECLAMATION

**2023 AML S4 CONTRACT BRANCHLAND (CRUM) DRAINAGE** LINCOLN COUNTY, WEST VIRGINIA

WVDEP CEOI: 0313-DEP24\*04

MAY 8, 2024

THRASHER PROJECT #T30-11381

# **COST PROPOSAL** 2023 AML S4 CONTRACT

# BRANCHLAND (CRUM) DRAINAGE LINCOLN COUNTY, WEST VIRGINIA

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# COST PROPOSAL 2023 AML S4 CONTRACT BRANCHLAND (CRUM) DRAINAGE LINCOLN COUNTY, WEST VIRGINIA

# SECTION 1 PROPOSAL BASIS AND NEED FOR PROJECT

### **PROPOSAL BASIS**

The Branchland (Crum) Drainage project is one of twelve (12) projects included in the 2023 AML S4 contract. This proposal is based on the notification received from the WVDEP initiating negotiations for the 2023 AML S4 contract dated November 13, 2023.

Work associated with this project and described in this proposal will be performed at our Beaver Office:

The Thrasher Group, Inc. 155 Blue Angel Lane Beaver, WV 25813

### PROJECT UNDERSTANDING

The Branchland (Crum) Drainage project is located off Hubball Road in Branchland, Lincoln County. The general project consists of:

- Evaluation of six (6) mine portals and the potential six (6) portal closures.
- Approximately 700 LF of channel installation (riprap and/or grouted riprap) for mine water conveyance.
- Approximately 200 LF of HDPE drainage pipe.
- Approximately 2 concrete drop inlets.
- Approximately 700 LF of access road repair of rehabilitation.
- Approximately 2000 LF of access road construction.

This is a general overview of the project design. Should unforeseen conditions be discovered that requires additional design consideration, TTG will notify the WVDEP prior to proceeding with that design work.

#### 2023 AML S4 CONTRACT

# BRANCHLAND (CRUM) DRAINAGE LINCOLN COUNTY, WEST VIRGINIA

### SECTION 2 PROPOSED SCOPE OF SERVICES

The following scope of work was prepared based on information collected from the site visit conducted in December 2023 and additional information included in the OSM-51, originally prepared on 12/5/2022.

The Thrasher Group and its subconsultants (collectively TTG) will perform the following tasks as described. Please note, all subconsultant(s) prices are included in the cost summary.

#### TASK I: NEPA and ESA

#### TASK I-A: AGENCY COORDINATION

This task includes coordination with the WVDEP, Environmental Assessment (EA), Bat Habitat Assessment of portals and office work. Any work required for AMLNET is also included.

TTG will prepare and submit an EA to the Office of Surface Mining & Reclamation Enforcement (OSMRE) and address any comments or concerns from OSMRE.

TTG will collect one (1) water sample from the discharging portal(s), have the sample analyzed, and prepare a report of results. Water sample result(s) will be utilized as a comparison to the sample results collected by the WVDEP. Sample(s) collected by TTG will be analyzed for pH and Iron.

TTG will conduct a Phase I Bat assessment for all open portals associated with the project for possible bat habitat. Work associated with conducting bat habit assessments must be completed by qualified biologists.

The project area is approximately 14 acres and part of the Lower Guyandotte River watershed. Storm drainage and mine discharge will flow to the Guyandotte River which requires increased research and attention during the environmental assessment. Bat portal(s) and mine portals discharging mine water will be part of conducting the field research required for the Environmental assessment. With the site located behind, and in proximity to, residential homes, TTG anticipates additional coordination, planning, and possible interaction with homeowners during the EA. Reports and/or documentation of the environmental assessment will be prepared for submittal to WVDEP and/or agencies. TTG will utilize this information to develop design plans to incorporate avoidance, minimization, or mitigation actions necessary for the project.

### **TASK II: REALTY**

TTG will research legal ownership of properties by conducting a thorough search of deed records at the appropriate county courthouse that's local to the project and provide copies of the legal documentation to substantiate legal ownership findings for the properties located within the project area. Employees and/or subcontractors hired to perform realty related work will be familiar with the proper techniques and procedures in property research. TTG will contact the landowner(s) and acquire all Rights of Entry including Exploratory Rights of Entry

#### **2023 AML S4 CONTRACT**

# BRANCHLAND (CRUM) DRAINAGE LINCOLN COUNTY, WEST VIRGINIA

(EROE), Construction Rights of Entry (CROE), and temporary and permanent ingress/egress rights for projects. Furthermore, TTG's Realty Agent will provide progress information on the WVDEP/AMLNET system as required. The Realty Agent will communicate with WVDEP's Real Estate Representative as to progress of landowner negotiations, landowner questions to be addressed, and status of landowner agreements. If a landowner requests to be an additional insurer, the landowners making the request will be added as an additional insurer. TTG's Realty Agent that conducted landowner negotiations and acquired the rights of entry will attend the pre-bid and pre-construction meetings to address any realty related issues. Consideration will be given to the fact that ownership can also change during the period between a pre-bid and pre-construction and would require new CROE agreement(s). CROE Realty packets will be updated to make sure that no property has changed ownership prior to the actual Pre-Construction meeting and if so, new agreements will be obtained. Pre-Construction photos of the site(s) will be taken and uploaded into AMLNET along with the EROE and CROE Realty packets. It is assumed that TTG's personnel will have access to AMLNET. If there is a dispute or question as to boundary lines, an attempt will be made to sign up both sides/owners in efforts to avoid a boundary survey. Boundary Surveys conducted by a WV licensed Land Surveyor or title opinions to be completed by an attorney in efforts to resolve boundary disputes and ownership will be discussed with DEP Engineers and Realty before taking any action.

## TASK II-A: EXPLORATORY RIGHT OF ENTRY (EROE)

This task includes all work conducted during EROE negotiations as detailed above.

## TASK II-B: CONSTRUCTION RIGHT OF ENTRY (CROE)

This task includes all work conducted during CROE negotiations as detailed above.

### TASK II-C: PRE-BID MEETING NOTICE

TTG will notify all property owners of the upcoming pre-bid meeting. Realty agent or representative will attend pre-bid meeting.

## TASK II-D: PRE-CONSTRUCTION CONFERENCE NOTICE

TTG will notify all property owners of the upcoming pre-construction meeting. Realty agent or representative will attend pre-construction conference.

### **TASK III: DESIGN**

## TASK III-A: SITE RECONNAISSANCE AND INVESTIGATIONS

This task includes the initial site visit and all work conducted in preparing this scope of services.

#### TASK III-B: SURVEY AND MAPPING

TTG will deploy a 2-man survey crew to the site to survey the project area. This survey will include,

#### 2023 AML S4 CONTRACT

# BRANCHLAND (CRUM) DRAINAGE LINCOLN COUNTY, WEST VIRGINIA

- Survey crew will set a minimum of three (3) control points at the project site.
- Start of access road and centerline of existing/proposed access road to portal locations.
- Each of the six (6) portal locations.
- Proposed Piezometer location(s).
- Observed existing structures such as, but not limited to, utilities, driveways, and/or structures.
- Should property corners be observed during the survey activity, those corners will be incorporated into the survey as a data point.

#### TASK III-C: GEOTECHNICAL INVESTIGATION

Geotechnical investigation will be necessary for this project site.

#### a) Piezometer Installation

The subsurface investigation through vertical drilling at four (4) different portal locations will aid in determining the mine void location and the depth to the bottom of the mine void or coal pavement elevation. The boring will be extended to a depth that corresponds to the mine seam elevation. Once located, a piezometer will be installed with a PVC standpipe with lockable cap extending three (3) feet above existing grade to allow for monitoring of water depth in the mine workings. This proposal includes three attempts to locate the mine void.

- If a void is not encountered on the first attempt, the crew will offset approximately 10 ft. and drill a second attempt.
- If a void is not encountered on the second attempt, the crew will offset approximately 10 ft. in the opposite direction of the first attempt and drill a third time.

If a void is encountered, a temporary piezometer with a 10 ft. slotted screen at the bottom will be installed for future monitoring of groundwater levels at the site. The crew will install the temporary piezometers upon completion of the drilling and seal the ground surface around the top to prevent surface water from infiltrating into the hole.

The PVC casing will be left with approximately three (3) feet of pipe above ground. The anticipated footages for this project are as follows:

- 240 feet drilling in soil
- 720 feet rock coring
- 340 feet piezometer installation

The piezometer PVC standpipe will be a minimum 1.5" diameter.

Areas disturbed during geotechnical investigation will be seeded and mulched upon completion of the investigation. Access roads and/or drill pads will be regraded to approximate existing grade.

TTG has included in this proposal three (3) site visits to monitor, measure, and record water levels in the piezometer.

#### 2023 AML S4 CONTRACT

# BRANCHLAND (CRUM) DRAINAGE LINCOLN COUNTY, WEST VIRGINIA

#### TASK III-D: ANALYSIS AND DESIGN

After the surveying and geotechnical investigation is complete, TTG will develop a conceptual plan. A meeting will be held with WVDEP onsite to review the design. If the design approach is agreed upon, TTG will proceed to final engineering design and development of construction drawings.

### TASK III-E: PREPARATION OF PLANS, SPECIFICATIONS, AND ENGINEERS ESTIMATE

TTG will develop the preliminary design package and incorporate the applicable concept and ideas discussed during the conceptual design meeting. Deliverables will include engineering plans, specifications, and estimates. A detailed Engineer's Construction Cost Estimate (ECCE), Engineer's Construction Time Estimate (ECTE), and bid sheet will be developed. The preliminary design will be forwarded to the WVDEP for review and comments. After addressing these comments, TTG will submit the final design package and update the ECCE, ECTE, and bid sheet, if necessary.

This proposal includes a maximum of four (4) review sessions by the WVDEP. The reviews will occur at the following milestones: 30% design, 60% design, 80% design, and 100% design. Plans, design report, specifications, bid sheet, construction cost estimate, and construction time estimate will be submitted to the WVDEP electronically for each review milestone.

The follow is an anticipated project schedule based on the assumption of receiving a Purchase Order by July 1, 2023.

Branchland (Crum) Drainage	Estimated Date Range	
NEPA and ESA	8/19/2024	8/29/2024
Realty	7/10/2024	7/15/2024
Survey and Geotech	7/31/2024	8/13/2024
Design	8/15/2024	9/5/2024
Pre-bid Meeting	11/4/2024	

This schedule does not include estimated dates for approved permits and/or time required to prepare and assign a pre-bid date for the project.

#### TASK III-F: PERMITTING

TTG will prepare and submit a Construction National Pollutant Discharge Elimination System Storm Water permit (NPDES). If necessary, TTG will address comments from the WVDEP associated with the application.

TTG does not anticipate a WVDOH MM-109 permit will be required for this project.

TTG does not anticipate additional permits for the project will be required. Should unforeseen conditions be discovered that requires a permit, TTG will notify the WVDEP prior to proceeding

#### 2023 AML S4 CONTRACT

# BRANCHLAND (CRUM) DRAINAGE LINCOLN COUNTY, WEST VIRGINIA

with permit application preparation. TTG anticipates WVDEP will consult other agencies, if required.

#### TASK III-G: PRE-BID CONFERENCE

TTG will work with the WVDEP to prepare, schedule, and conduct the pre-bid meeting.

- a. Work with the WVDEP to establish a pre-bid date.
- b. Provide pre-bid documents such as plans, specifications, and sign in sheet.
- c. Attend and conduct the pre-bid meeting onsite.
- d. Assist WVDEP with addendums, as needed.

## TASK III-H: PRE-CONSTRUCTION CONFERENCE

TTG will work with the WVDEP to prepare, schedule, and conduct the preconstruction meeting.

- a. Provide preconstruction documents such as plans, specifications, sign in sheet, and other required documents.
- b. Attend one (1) pre-construction conference onsite.

#### TASK IV - CONSTRUCTION OVERSIGHT

TTG will provide construction oversite for this project. This includes a Resident Project Representative (RPR) who will be on-site daily to observe construction activities. For this proposal, construction time is assumed to be eight (8) hours per day, five (5) days per week for sixteen (16) weeks. Mileage is assumed to be from Beaver, WV and a per diem of \$50.00. One site visit for the project manager/designer during construction to ensure the contractor is adhering to approved plans and specifications. TTG will conduct inspection reports and input the information into AMLNET. At the conclusion of construction, TTG will certify the project was built in accordance with the plans and specifications.

TTG will conduct wage rate interviews and ensure certified payrolls are submitted with payment applications in compliance with the Davis-Bacon Act.

#### TASK V - POST-CONSTRUCTION OVERSIGHT

A TTG engineer will review the as-built plans provided by the contractor following construction, the construction oversight documentation and provide an as-built certification that project was completed according to plans, and/or with allowable exceptions.

TTG will provide a Resident Project Representative to monitor/inspect and document site conditions post-construction to verify project aspects are stable, operating as per the plans, and established.

- TTG has included three (3) site visits for post-construction oversight in this proposal.
- Should additional site visits be required or requested, those additional site visits can be included through change order.

Task V includes one (1) site visit for the project manager during final inspection.

# COST PROPOSAL 2023 AML S4 CONTRACT BRANCHLAND (CRUM) DRAINAGE LINCOLN COUNTY, WEST VIRGINIA

## **SECTION 3 COST ESTIMATE**

TTG will complete this project on a time and materials basis not to exceed the estimated costs provided in the Cost Summary without prior WVDEP approval. TTG will only invoice for time and expenses incurred.

Please note that the per diem rates provided in the proposal are a projection based on the Federal Per Diem Rates for the current year and project location. The calculated per diem costs included in this proposal are based on the anticipated number of days that will be required for site visits prior to construction, onsite RPR during construction, and site visits post construction. Per diem rates will be used for required single day trips and days that will require lodging near the project site. The Per Diem rates are as follows:

- Per Diem (meal only; no lodging required) \$50.00 per day.
- Per Diem w/ Lodging (meal & lodging) \$175 per day.
- Mileage \$0.70 per mile.

It is understood that TTG will ensure that all subcontractors are fully insured and have worker's compensation coverage. If you have any additional questions or need additional information, please let me know.

# COST PROPOSAL 2023 AML S4 CONTRACT BRANCHLAND (CRUM) DRAINAGE LINCOLN COUNTY, WEST VIRGINIA

**SECTION 4 COST SUMMARY** 

THE THRASHER GROUP, INC. **FOR ENGINEERING SERVICES** 

WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL **PROTECTION** OFFICE OF ABANDONED MINE LANDS AND RECLAMATION

**2023 AML S4 CONTRACT BRANCHLAND (BLANKENSHIP) PORTALS** LINCOLN COUNTY, WEST VIRGINIA

WVDEP CEOI: 0313-DEP24\*04

MAY 8, 2024

THRASHER PROJECT #T30-11382

### 2023 AML S4 CONTRACT

## **BRANCHLAND (BLANKENSHIP) PORTALS** LINCOLN COUNTY, WEST VIRGINIA

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# COST PROPOSAL 2023 AML S4 CONTRACT **BRANCHLAND (BLANKENSHIP) PORTALS** LINCOLN COUNTY, WEST VIRGINIA

# SECTION 1 PROPOSAL BASIS AND NEED FOR PROJECT

## **PROPOSAL BASIS**

The Branchland (Blankenship) Portals project is one of twelve (12) projects included in the 2023 AML S4 contract. This proposal is based on the notification received from the WVDEP initiating negotiations for the 2023 AML S4 contract dated November 13, 2023.

Work associated with this project and described in this proposal will be performed at our Beaver Office:

The Thrasher Group, Inc. 155 Blue Angel Lane Beaver, WV 25813

# PROJECT UNDERSTANDING

The Branchland (Blankenship) Portals project is located off Hubball Road (CR 36/1) in Branchland, Lincoln County. The general project consists of:

- Evaluation of eleven (11) mine portals and the potential of eleven (11) portal closures.
- Plugging two (2) subsidence cracks.
- Approximately six hundred (600) LF of channel installation (riprap and/or grouted riprap) for
- Approximately three thousand (3000) LF of access road repair.
- Approximately one thousand (1000) LF of access road construction.
- Approximately 2,000 cubic yards of unclassified excavation.
- Demolition and disposal of an existing structure.
- Due to observed high levels of iron and low pH readings in the mine water discharge, water sampling during the design development will be completed and recorded as part of this project. Water sample result(s) will be utilized as a comparison to the sample results collected by the WVDEP. Sample(s) collected by TTG will be analyzed for pH and Iron.

This is a general overview of the project design. Should unforeseen conditions be discovered that requires additional design consideration, TTG will notify the WVDEP prior to proceeding with that design work.

## 2023 AML S4 CONTRACT

## BRANCHLAND (BLANKENSHIP) PORTALS LINCOLN COUNTY, WEST VIRGINIA

# SECTION 2 PROPOSED SCOPE OF SERVICES

The following scope of work was prepared based on information collected from the site visit conducted in December 2023 and additional information included in the OSM-51, originally dated 1987, updated in January 2022, and updated again in December 2023.

The Thrasher Group and its subconsultants (collectively TTG) will perform the following tasks as described. Please note, all subconsultant(s) prices are included in the cost summary.

## TASK I: NEPA and ESA

# TASK I-A: AGENCY COORDINATION

This task includes coordination with the WVDEP, Environmental Assessment (EA), Bat Habitat Assessment of portals and office work. Any work required for AMLNET is also included.

TTG will prepare and submit an EA to the Office of Surface Mining & Reclamation Enforcement (OSMRE) and address any comments or concerns from OSMRE.

TTG will collect one (1) water sample from the discharging portal(s), have the sample analyzed, and prepare a report of results. Water sample result(s) will be utilized as a comparison to the sample results collected by the WVDEP. Sample(s) collected by TTG will be analyzed for pH and Iron.

TTG will conduct a Phase I Bat assessment for all open portals associated with the project for possible bat habitat. Work associated with conducting bat habit assessments must be completed by qualified biologists.

The services to be provided will include conducting the Bat Habitat Assessment of all open portals and writing the associated report for this project, as well as any necessary discussions with TTG personnel to incorporate avoidance, minimization, or mitigation actions necessary for the project.

## **TASK II: REALTY**

TTG will research legal ownership of properties by conducting a thorough search of deed records at the appropriate county courthouse that's local to the project and provide copies of the legal documentation to substantiate legal ownership findings for the properties located within the project area. Employees and/or subcontractors hired to perform realty related work will be familiar with the proper techniques and procedures in property research. TTG will contact the landowner(s) and acquire all Rights of Entry including Exploratory Rights of Entry (EROE), Construction Rights of Entry (CROE), and temporary and permanent ingress/egress rights for projects. Furthermore, TTG's Realty Agent will provide progress information on the WVDEP/AMLNET system as required. The Realty Agent will communicate with WVDEP's Real Estate Representative as to progress of landowner negotiations, landowner questions to be addressed, and status of landowner agreements. If a landowner requests to be an additional insurer, the landowners making the

#### 2023 AML S4 CONTRACT

# BRANCHLAND (BLANKENSHIP) PORTALS LINCOLN COUNTY, WEST VIRGINIA

request will be added as an additional insurer. TTG's Realty Agent that conducted landowner negotiations and acquired the rights of entry will attend the pre-bid and pre-construction meetings to address any realty related issues. Consideration will be given to the fact that ownership can also change during the period between a pre-bid and pre-construction and would require new CROE agreement(s). CROE Realty packets will be updated to make sure that no property has changed ownership prior to the actual Pre- Construction meeting and if so, new agreements will be obtained. Pre-Construction photos of the site(s) will be taken and uploaded into AMLNET along with the EROE and CROE Realty packets. It is assumed that TTG's personnel will have access to AMLNET. If there is a dispute or question as to boundary lines, an attempt will be made to sign up both sides/owners in efforts to avoid a boundary survey. Boundary Surveys conducted by a WV licensed Land Surveyor or title opinions to be completed by an attorney in efforts to resolve boundary disputes and ownership will be discussed with DEP Engineers and Realty before taking any action.

# TASK II-A: EXPLORATORY RIGHT OF ENTRY (EROE)

This task includes all work conducted during EROE negotiations as detailed above.

# TASK II-B: CONSTRUCTION RIGHT OF ENTRY (CROE)

This task includes all work conducted during CROE negotiations as detailed above.

## TASK II-C: PRE-BID MEETING NOTICE

TTG will notify all property owners of the upcoming pre-bid meeting. Realty agent or representative will attend pre-bid meeting.

# TASK II-D: PRE-CONSTRUCTION CONFERENCE NOTICE

TTG will notify all property owners of the upcoming pre-construction meeting. Realty agent or representative will attend pre-construction conference.

### TASK III: DESIGN

## TASK III-A: SITE RECONNAISSANCE AND INVESTIGATIONS

This task includes the initial site visit and all work conducted in preparing this scope of services.

#### TASK III-B: SURVEY AND MAPPING

TTG will deploy a 2-man survey crew to the site to survey the project area. This survey will include,

- Survey crew will set a minimum of three (3) control points at the project site.
- Start of access road and centerline of access road to portal locations.
- Each of the eleven (11) portal locations.
- Edge and perimeter of subsidence crack(s).
- Observed existing structures such as, but not limited to, access road, utilities, driveways,

#### 2023 AML S4 CONTRACT

# BRANCHLAND (BLANKENSHIP) PORTALS LINCOLN COUNTY, WEST VIRGINIA

edge of asphalt, and/or structures.

- Topography, as needed.
- Proposed and actual Piezometer location(s).
- Should property corners be observed during the survey activity, those corners will be incorporated into the survey as a data point.

## TASK III-C: GEOTECHNICAL INVESTIGATION

Geotechnical investigation will be necessary at one portal location. The subsurface investigation through vertical drilling will aid in determining the mine void location and the depth to the bottom of the mine void or coal pavement elevation. The boring will be extended to a depth that corresponds to the mine seam elevation. Once located a piezometer will be installed with a PVC standpipe extending three (3) feet above existing grade to allow for monitoring of water depth in the mine workings. This proposal includes three attempts to locate the mine void.

- If a void is not encountered on the first attempt, the crew will offset approximately 10 ft. and drill a second attempt.
- If a void is not encountered on the second attempt, the crew will offset approximately 10 ft. in the opposite direction of the first attempt and drill a third time.

If a void is encountered, a temporary piezometer with a 10 ft. slotted screen at the bottom will be installed for future monitoring of groundwater levels at the site. The crew will install the temporary piezometers upon completion of the drilling and seal the ground surface around the top to prevent surface water from infiltrating into the hole. The PVC casing will be left with approximately three (3) feet of pipe above ground. The anticipated footages for this project are as follows:

- 60 feet drilling in soil
- 300 feet rock coring
- 125 feet piezometer installation

The piezometer PVC standpipe will be a minimum 1.5" diameter.

Areas disturbed during geotechnical investigation will be seeded and mulched upon completion of the investigation. Access roads and/or drill pads will be regraded to approximate existing grade.

TTG has included in this proposal three (3) site visits to monitor, measure, and record water levels in the piezometer by TTG personnel.

#### TASK III-D: ANALYSIS AND DESIGN

After the surveying and geotechnical investigation is complete, TTG will develop a conceptual plan. A meeting will be held with WVDEP onsite to review the design. If the design approach is agreed upon, TTG will proceed to final engineering design and development of construction drawings.

# TASK III-E: PREPARATION OF PLANS, SPECIFICATIONS, AND ENGINEERS ESTIMATE

TTG will develop the preliminary design package and incorporate the applicable concept and ideas discussed during the conceptual design meeting. Deliverables will include engineering plans, specifications, and estimates. A detailed Engineer's Construction Cost Estimate (ECCE),

#### **2023 AML S4 CONTRACT**

# BRANCHLAND (BLANKENSHIP) PORTALS LINCOLN COUNTY, WEST VIRGINIA

Engineer's Construction Time Estimate (ECTE), and bid sheet will be developed. The preliminary design will be forwarded to the WVDEP for review and comments. After addressing these comments, TTG will submit the final design package and update the ECCE, ECTE, and bid sheet, if necessary.

This proposal includes a maximum of four (4) review sessions by the WVDEP. The reviews will occur at the following milestones: 30% design, 60% design, 80% design, and 100% design. Plans, design report, specifications, bid sheet, construction cost estimate, and construction time estimate will be submitted to the WVDEP electronically for each review milestone.

The follow is an anticipated project schedule based on the assumption of receiving a Purchase Order by July 1, 2023.

Branchland (Blankenship) Drainage	Estimated Date Range	
NEPA and ESA	8/16/2024	8/23/2024
Realty	7/12/2024	7/15/2024
Survey and Geotech	8/14/2024	8/30/2024
Design	9/2/2024	9/23/2024
Pre-bid Meeting	11/22/2024	

This schedule does not include estimated dates for approved permits and/or time required to prepare and assign a pre-bid date for the project.

#### TASK III-F: PERMITTING

TTG will prepare and submit a Construction National Pollutant Discharge Elimination System Storm Water permit (NPDES). If necessary, TTG will address comments from the WVDEP associated with the application.

TTG anticipates a WVDOH MM-109 permit will be required for this project. TTG will prepare and submit the MM 109. If necessary, TTG will address comments from the WVDOH associated with the application.

TTG does not anticipate additional permits for the project will be required. Should unforeseen conditions be discovered that requires a permit, TTG will notify the WVDEP prior to proceeding with permit application preparation. TTG anticipates WVDEP will consult other agencies, if required.

### TASK III-G: PRE-BID CONFERENCE

TTG will work with the WVDEP to prepare, schedule, and conduct the pre-bid meeting.

- a. Work with the WVDEP to establish a pre-bid date.
- b. Provide pre-bid documents such as plans, specifications, and sign in sheet.
- c. Attend and conduct the pre-bid meeting onsite.

#### 2023 AML S4 CONTRACT

# BRANCHLAND (BLANKENSHIP) PORTALS LINCOLN COUNTY, WEST VIRGINIA

d. Assist WVDEP with addendums, as needed.

## TASK III-H: PRE-CONSTRUCTION CONFERENCE

TTG will work with the WVDEP to prepare, schedule, and conduct the preconstruction meeting.

- a. Provide preconstruction documents such as plans, specifications, sign in sheet, and other required documents.
- b. Attend one (1) pre-construction conference onsite.

#### TASK IV - CONSTRUCTION OVERSIGHT

TTG will provide construction oversite for this project. This includes a Resident Project Representative (RPR) who will be on-site daily to observe construction activities. For this proposal, construction time is assumed to be eight (8) hours per day, five (5) days per week for eighteen (18) weeks. Mileage is assumed to be from Beaver, WV and a per diem of \$50.00. One site visit for the project manager/designer during construction to ensure the contractor is adhering to approved plans and specifications. TTG will conduct inspection reports and input the information into AMLNET. At the conclusion of construction, TTG will certify the project was built in accordance with the plans and specifications.

TTG will conduct wage rate interviews and ensure certified payrolls are submitted with payment applications in compliance with the Davis-Bacon Act.

## **TASK V - POST-CONSTRUCTION OVERSIGHT**

A TTG engineer will review the as-built plans provided by the contractor following construction, the construction oversight documentation and provide an as-built certification that project was completed according to plans, and/or with allowable exceptions.

TTG will provide a Resident Project Representative to monitor/inspect and document site conditions post-construction to verify project aspects are stable, operating as per the plans, and established.

- TTG has included three (3) site visits for post-construction oversight in this proposal.
- Should additional site visits be required or requested, those additional site visits can be included through change order.

Task V includes one (1) site visit for the project manager during final inspection.

## **2023 AML S4 CONTRACT**

# BRANCHLAND (BLANKENSHIP) PORTALS LINCOLN COUNTY, WEST VIRGINIA

#### **SECTION 3 COST ESTIMATE**

TTG will complete this project on a time and materials basis not to exceed the estimated costs provided in the Cost Summary without prior WVDEP approval. TTG will only invoice for time and expenses incurred.

Please note that the per diem rates provided in the proposal are a projection based on the Federal Per Diem Rates for the current year and project location. The calculated per diem costs included in this proposal are based on the anticipated number of days that will be required for site visits prior to construction, onsite RPR during construction, and site visits post construction. Per diem rates will be used for required single day trips and days that will require lodging near the project site. The Per Diem rates are as follows:

- Per Diem (meal only; no lodging required) \$50.00 per day.
- Per Diem w/ Lodging (meal & lodging) \$175 per day.
- Mileage \$0.70 per mile.

It is understood that TTG will ensure that all subcontractors are fully insured and have worker's compensation coverage. If you have any additional questions or need additional information, please let me know.

# COST PROPOSAL 2023 AML S4 CONTRACT BRANCHLAND (BLANKENSHIP) PORTALS LINCOLN COUNTY, WEST VIRGINIA

# **SECTION 4 COST SUMMARY**

THE THRASHER GROUP, INC. FOR ENGINEERING SERVICES

WEST VIRGINIA DEPARTMENT OF
ENVIRONMENTAL PROTECTION
OFFICE OF ABANDONED MINE LANDS AND RECLAMATION

2023 AML S4 CONTRACT
BELCHER HOLLOW AUGER HOLES
KANAWHA COUNTY, WEST VIRGINIA

WVDEP CEOI: 0313-DEP24\*04

MAY 8, 2024

THRASHER PROJECT #T30-11376

# COST PROPOSAL 2023 AML S4 CONTRACT BELCHER HOLLOW AUGER HOLES KANAWHA COUNTY, WEST VIRGINIA

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# COST PROPOSAL 2023 AML S4 CONTRACT BELCHER HOLLOW AUGER HOLES KANAWHA COUNTY, WEST VIRGINIA

## SECTION 1 PROPOSAL BASIS AND NEED FOR PROJECT

#### **PROPOSAL BASIS**

The Belcher Hollow Auger Holes project is one of twelve (12) projects included in the 2023 AML S4 contract. This proposal is based on the notification received from the WVDEP initiating negotiations for the 2023 AML S4 contract dated November 13, 2023.

Work associated with this project and described in this proposal will be performed at our Beaver Office:

The Thrasher Group, Inc. 155 Blue Angel Lane Beaver, WV 25813

#### **PROJECT UNDERSTANDING**

The Belcher Hollow Auger Holes project is located on Sanderson Road, Kanawha County. The general project consists of:

- Evaluation of fifteen (15) mine portals and the potential fifteen (15) portal closures.
- Approximately four hundred fifty thousand (450,000) CY of unclassified excavation for highwall backfill.
- Approximately five hundred (500) LF of channel installation (riprap and/or grouted riprap) for mine water conveyance.
- Approximately three thousand six hundred (3,600) LF dry auger hole seal.
- Approximately eight thousand five hundred (8,500) LF of access road repair.
- Approximately one hundred twenty (120) FT HDPE pipe.
- Approximately seven hundred (700) LF of underdrain system.
- Approximately 200 LF of access road construction.

This is a general overview of the project design. Should unforeseen conditions be discovered that requires additional design consideration, TTG will notify the WVDEP prior to proceeding with that design work.

#### 2023 AML S4 CONTRACT

# BELCHER HOLLOW AUGER HOLES KANAWHA COUNTY, WEST VIRGINIA

#### SECTION 2 PROPOSED SCOPE OF SERVICES

The following scope of work was prepared based on information collected from the site visit conducted in December 2023 and additional information included in the OSM-51, originally dated 8/19/2011 and updated in February 2020.

The Thrasher Group and its subconsultants (collectively TTG) will perform the following tasks as described. Please note, all subconsultant(s) prices are included in the cost summary.

#### TASK I: NEPA and ESA

#### TASK I-A: AGENCY COORDINATION

This task includes coordination with the WVDEP, Environmental Assessment (EA), Bat Habitat Assessment of portals and office work. Any work required for AMLNET is also included.

TTG will prepare and submit an EA to the Office of Surface Mining & Reclamation Enforcement (OSMRE) and address any comments or concerns from OSMRE.

TTG will collect one (1) water sample from the discharging portal(s), have the sample analyzed, and prepare a report of results. Water sample result(s) will be utilized as a comparison to the sample results collected by the WVDEP. Sample(s) collected by TTG will be analyzed for pH and Iron.

TTG will conduct a Phase I Bat assessment for all open portals and augur holes associated with the project for possible bat habitat. Work associated with conducting bat habit assessments must be completed by qualified biologists.

The project consists of three areas totaling approximately 56 acres. The bat portals and augur holes are spread throughout the project area. Blue Creek, which is part of the Elk River watershed, is in the project area and will be considered while conducting the field research required for the Environmental assessment. It is anticipated that multiple site visits will be required to complete the Habitat Assessment, possible impacts to Blue Creek due to storm drainage from the project area, and any mitigation/impacts observed during the investigation. Reports and/or documentation of the environmental assessment will be prepared for submittal to WVDEP and/or agencies. TTG will utilize this information to develop design plans to incorporate avoidance, minimization, or mitigation actions necessary for the project.

#### **TASK II: REALTY**

TTG will research legal ownership of properties by conducting a thorough search of deed records at the appropriate county courthouse that's local to the project and provide copies of the legal documentation to substantiate legal ownership findings for the properties located within the project area. Employees and/or subcontractors hired to perform realty related work will be familiar with the proper techniques and procedures in property research. TTG will contact the landowner(s) and acquire all Rights of Entry including Exploratory Rights of Entry

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# BELCHER HOLLOW AUGER HOLES KANAWHA COUNTY, WEST VIRGINIA

(EROE), Construction Rights of Entry (CROE), and temporary and permanent ingress/egress rights for projects. Furthermore, TTG's Realty Agent will provide progress information on the WVDEP/AMLNET system as required. The Realty Agent will communicate with WVDEP's Real Estate Representative as to progress of landowner negotiations, landowner questions to be addressed, and status of landowner agreements. If a landowner requests to be an additional insurer, the landowners making the request will be added as an additional insurer. TTG's Realty Agent that conducted landowner negotiations and acquired the rights of entry will attend the pre-bid and pre-construction meetings to address any realty related issues. Consideration will be given to the fact that ownership can also change during the period between a pre-bid and pre-construction and would require new CROE agreement(s). CROE Realty packets will be updated to make sure that no property has changed ownership prior to the actual Pre- Construction meeting and if so, new agreements will be obtained. Pre-Construction photos of the site(s) will be taken and uploaded into AMLNET along with the EROE and CROE Realty packets. It is assumed that TTG's personnel will have access to AMLNET. If there is a dispute or question as to boundary lines, an attempt will be made to sign up both sides/owners in efforts to avoid a boundary survey. Boundary Surveys conducted by a WV licensed Land Surveyor or title opinions to be completed by an attorney in efforts to resolve boundary disputes and ownership will be discussed with DEP Engineers and Realty before taking any action.

# TASK II-A: EXPLORATORY RIGHT OF ENTRY (EROE)

This task includes all work conducted during EROE negotiations as detailed above.

# TASK II-B: CONSTRUCTION RIGHT OF ENTRY (CROE)

This task includes all work conducted during CROE negotiations as detailed above.

# TASK II-C: PRE-BID MEETING NOTICE

TTG will notify all property owners of the upcoming pre-bid meeting. Realty agent or representative will attend pre-bid meeting.

# TASK II-D: PRE-CONSTRUCTION CONFERENCE NOTICE

TTG will notify all property owners of the upcoming pre-construction meeting. Realty agent or representative will attend pre-construction conference.

#### **TASK III: DESIGN**

# TASK III-A: SITE RECONNAISSANCE AND INVESTIGATIONS

This task includes the initial site visit and all work conducted in preparing this scope of services.

## TASK III-B: SURVEY AND MAPPING

TTG will deploy a 2-man survey crew to the site to survey the project area. This survey will include,

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# BELCHER HOLLOW AUGER HOLES KANAWHA COUNTY, WEST VIRGINIA

- survey crew will set a minimum of three (3) control points at the project site.
- Access road (mine bench) and centerline of access road (mine bench) to portal locations.
- Each of the fifteen (15) portal locations.
- Fifteen (15) borehole locations.
- Proposed Piezometer location(s).
- Observed existing structures such as, but not limited to, utilities, driveways, and/or structures.
- Approximate perimeter of highwall area.
- Start and end point of auger holes.
- Should property corners be observed during the survey activity, those corners will be incorporated into the survey as a data point.

TTG will deploy a 1-man drone survey crew to collect topography of the highwall area for grading and channel design. Topography contours will be developed at 2-foot intervals.

# TASK III-C: GEOTECHNICAL INVESTIGATION

Geotechnical investigation will be necessary for this project site.

## a) Highwall Reclamation

Exploratory drilling is required to determine the extents and depth of the proposed borrow area to determine the availability of material to reclaim the highwall. This proposal includes,

- Fifteen (15) bore holes located throughout the approximate borrow area for highwall reclamation.
- A total of 375 ft. of soil drilling. Rock coring is not included.

Standard penetration testing and sampling will be performed in each boring at 2.5 ft. intervals to a depth of 20 feet and then 5 feet intervals to refusal in bedrock or as directed. All boreholes will be backfilled with auger cuttings upon completion. All samples will be analyzed, and findings will be included in the Geotechnical report.

# b) Piezometer Installation

Four (4) portals have been identified as discharging mine water. The subsurface investigation through vertical drilling at these four (4) different portals locations will aid in determining the mine void location and the depth to the bottom of the mine void or coal pavement elevation. The boring will be extended to a depth that corresponds to the mine seam elevation. Once located, a piezometer will be installed with a PVC standpipe extending three (3) feet above existing grade to allow for monitoring of water depth in the mine workings. This proposal includes three attempts to locate the mine void.

- If a void is not encountered on the first attempt, the crew will offset approximately 10 ft. and drill a second attempt.
- If a void is not encountered on the second attempt, the crew will offset approximately 10 ft. in the opposite direction of the first attempt and drill a third time.

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## BELCHER HOLLOW AUGER HOLES KANAWHA COUNTY, WEST VIRGINIA

If a void is encountered, a temporary piezometer with a 10 ft. slotted screen at the bottom will be installed for future monitoring of groundwater levels at the site. The crew will install the temporary piezometers upon completion of the drilling and seal the ground surface around the top to prevent surface water from infiltrating into the hole.

The PVC casing will be left with approximately three (3) feet of pipe above ground. The anticipated footages for this project are as follows:

- 240 feet drilling in soil
- 930 feet rock coring
- 400 feet piezometer installation

The piezometer PVC standpipe will be a minimum 1.5" diameter.

Areas disturbed during geotechnical investigation will be seeded and mulched upon completion of the investigation. Access roads and/or drill pads will be regraded to approximate existing grade.

TTG has included in this proposal three (3) site visits to monitor, measure, and record water levels in the piezometer by TTG personnel.

#### c) Geotechnical Analysis and Recommendations

Laboratory testing will be performed on select samples from the highwall areas to aid in classifying the soil and determine their engineering properties. Planned lab testing includes moisture content, Atterberg liquid and plastic limits, and standard Proctor testing.

A final report will be prepared upon completion of the field, lab and engineering work including digital logs of the borings, results of the subsurface investigation in the highwall area, field observations, and topographic mapping used to analyze the site conditions, and recommendations for backfilling to reclaim the existing mine highwall.

#### TASK III-D: ANALYSIS AND DESIGN

After the surveying and geotechnical investigation is complete, TTG will develop a conceptual plan. A meeting will be held with WVDEP onsite to review the design. If the design approach is agreed upon, TTG will proceed to final engineering design and development of construction drawings.

#### TASK III-E: PREPARATION OF PLANS, SPECIFICATIONS, AND ENGINEERS ESTIMATE

TTG will develop the preliminary design package and incorporate the applicable concept and ideas discussed during the conceptual design meeting. Deliverables will include engineering plans, specifications, and estimates. A detailed Engineer's Construction Cost Estimate (ECCE), Engineer's Construction Time Estimate (ECTE), and bid sheet will be developed. The preliminary design will be forwarded to the WVDEP for review and comments. After addressing these comments, TTG will submit the final design package and update the ECCE, ECTE, and bid sheet, if necessary.

#### 2023 AML S4 CONTRACT

## BELCHER HOLLOW AUGER HOLES KANAWHA COUNTY, WEST VIRGINIA

This proposal includes a maximum of four (4) review sessions by the WVDEP. The reviews will occur at the following milestones: 30% design, 60% design, 80% design, and 100% design. Plans, design report, specifications, bid sheet, construction cost estimate, and construction time estimate will be submitted to the WVDEP electronically for each review milestone.

The follow is an anticipated project schedule based on the assumption of receiving a Purchase Order by July 1, 2023.

Belcher Hollow Augur Holes	Estimated Date Range	
NEPA and ESA	10/03/2024	10/16/2024
Realty	8/5/2024	8/9/2024
Survey and Geotech	9/17/2024	9/30/2024
Design	10/1/2024	10/25/2024
Pre-bid Meeting	2/22/2025	

This schedule does not include estimated dates for approved permits and/or time required to prepare and assign a pre-bid date for the project.

#### TASK III-F: PERMITTING

TTG will prepare and submit a Construction National Pollutant Discharge Elimination System Storm Water permit (NPDES). If necessary, TTG will address comments from the WVDEP associated with the application.

TTG anticipates a WVDOH MM-109 permit will be required for this project. TTG will prepare and submit the WVDOH MM-109 permit and, if necessary, will address comments from the WVDOH associated with the application.

TTG does not anticipate additional permits for the project will be required. Should unforeseen conditions be discovered that requires a permit, TTG will notify the WVDEP prior to proceeding with permit application preparation. TTG anticipates WVDEP will consult other agencies, if required.

#### TASK III-G: PRE-BID CONFERENCE

TTG will work with the WVDEP to prepare, schedule, and conduct the pre-bid meeting.

- a. Work with the WVDEP to establish a pre-bid date.
- b. Provide pre-bid documents such as plans, specifications, and sign in sheet.
- c. Attend and conduct the pre-bid meeting onsite.
- d. Assist WVDEP with addendums, as needed.

#### TASK III-H: PRE-CONSTRUCTION CONFERENCE

TTG will work with the WVDEP to prepare, schedule, and conduct the preconstruction meeting.

a. Provide preconstruction documents such as plans, specifications, sign in sheet, and other

#### 2023 AML S4 CONTRACT

## BELCHER HOLLOW AUGER HOLES KANAWHA COUNTY, WEST VIRGINIA

required documents.

b. Attend one (1) pre-construction conference onsite.

#### **TASK IV - CONSTRUCTION OVERSIGHT**

TTG will provide construction oversite for this project. This includes a Resident Project Representative (RPR) who will be on-site daily to observe construction activities. For this proposal, construction time is assumed to be eight (8) hours per day, five (5) days per week for thirty-nine (39) weeks. Mileage is assumed to be from Beaver, WV and a per diem of \$50.00. One site visit for the project manager/designer during construction to ensure the contractor is adhering to approved plans and specifications. TTG will conduct inspection reports and input the information into AMLNET. At the conclusion of construction, TTG will certify the project was built in accordance with the plans and specifications.

TTG will conduct wage rate interviews and ensure certified payrolls are submitted with payment applications in compliance with the Davis-Bacon Act.

#### **TASK V - POST-CONSTRUCTION OVERSIGHT**

A TTG engineer will review the as-built plans provided by the contractor following construction, the construction oversight documentation and provide an as-built certification that project was completed according to plans, and/or with allowable exceptions.

TTG will provide a Resident Project Representative to monitor/inspect and document site conditions post-construction to verify project aspects are stable, operating as per the plans, and established.

- TTG has included three (3) site visits for post-construction oversight in this proposal.
- Should additional site visits be required or requested, those additional site visits can be included through change order.

Task V includes one (1) site visit for the project manager during final inspection.

#### SECTION 3 COST ESTIMATE

TTG will complete this project on a time and materials basis not to exceed the estimated costs provided in the Cost Summary without prior WVDEP approval. TTG will only invoice for time and expenses incurred.

Please note that the per diem rates provided in the proposal are a projection based on the Federal Per Diem Rates for the current year and project location. The calculated per diem costs included in this proposal are based on the anticipated number of days that will be required for site visits prior to construction, onsite RPR during construction, and site visits post construction. Per diem rates will be used for required single day trips and days that will require lodging near the project site. The Per Diem

#### 2023 AML S4 CONTRACT

## BELCHER HOLLOW AUGER HOLES KANAWHA COUNTY, WEST VIRGINIA

#### rates are as follows:

- Per Diem (meal only; no lodging required) \$50.00 per day.
- Per Diem w/ Lodging (meal & lodging) \$175 per day.
- Mileage \$0.70 per mile.

It is understood that TTG will ensure that all subcontractors are fully insured and have worker's compensation coverage. If you have any additional questions or need additional information, please let me know.

## COST PROPOSAL 2023 AML S4 CONTRACT BELCHER HOLLOW AUGER HOLES KANAWHA COUNTY, WEST VIRGINIA

**SECTION 4 COST SUMMARY** 

THE THRASHER GROUP, INC. FOR ENGINEERING SERVICES

**WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION** OFFICE OF ABANDONED MINE LANDS AND RECLAMATION

**2023 AML S4 CONTRACT** MIDDLE FORK (ADKINS) PORTALS KANAWHA COUNTY, WEST VIRGINIA

WVDEP CEOI: 0313-DEP24\*04

MAY 8, 2024

THRASHER PROJECT #T30-11384

#### **COST PROPOSAL** 2023 AML S4 CONTRACT MIDDLE FORK (ADKINS) PORTALS KANAWHA COUNTY, WEST VIRGINIA

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# COST PROPOSAL 2023 AML S4 CONTRACT MIDDLE FORK (ADKINS) PORTALS KANAWHA COUNTY, WEST VIRGINIA

### SECTION 1 PROPOSAL BASIS AND NEED FOR PROJECT

#### **PROPOSAL BASIS**

The Middle Fork (Adkins) Portals project is one of twelve (12) projects included in the 2023 AML S4 contract. This proposal is based on the notification received from the WVDEP initiating negotiations for the 2023 AML S4 contract dated November 13, 2023.

Work associated with this project and described in this proposal will be performed at our Beaver Office:

The Thrasher Group, Inc. 155 Blue Angel Lane Beaver, WV 25813

#### PROJECT UNDERSTANDING

The Middle Fork (Adkins) Portals project is located at the intersection of McClellan Highway and Middle Fork Drive in Kanawha County. The general project consists of:

- Evaluation of four (4) mine portals and the potential four (4) portal closures.
- A temporary creek crossing.
- Approximately 600 LF of access road construction.

This is a general overview of the project design. Should unforeseen conditions be discovered that requires additional design consideration, TTG will notify the WVDEP prior to proceeding with that design work.

### SECTION 2 PROPOSED SCOPE OF SERVICES

The following scope of work was prepared based on information collected from the site visit conducted in December 2023 and additional information included in the OSM-51, originally dated 4/29/2022 and updated in April 2023.

The Thrasher Group and its subconsultants (collectively TTG) will perform the following tasks as described. Please note, all subconsultant(s) prices are included in the cost summary.

#### TASK I: NEPA and ESA

#### TASK I-A: AGENCY COORDINATION

This task includes coordination with the WVDEP, Environmental Assessment (EA), Bat Habitat Assessment of portals and office work. Any work required for AMLNET is also included.

#### 2023 AML S4 CONTRACT

## MIDDLE FORK (ADKINS) PORTALS KANAWHA COUNTY, WEST VIRGINIA

TTG will prepare and submit an EA to the Office of Surface Mining & Reclamation Enforcement (OSMRE) and address any comments or concerns from OSMRE.

TTG will conduct a Phase I Bat assessment for all open portals associated with the project for possible bat habitat. Work associated with conducting bat habit assessments must be completed by qualified biologists.

The services to be provided will include conducting the Bat Habitat Assessment of all open portals and writing the associated report for this project, as well as any necessary discussions with TTG personnel to incorporate avoidance, minimization, or mitigation actions necessary for the project.

#### **TASK II: REALTY**

TTG will research legal ownership of properties by conducting a thorough search of deed records at the appropriate county courthouse that's local to the project and provide copies of the legal documentation to substantiate legal ownership findings for the properties located within the project area. Employees and/or subcontractors hired to perform realty related work will be familiar with the proper techniques and procedures in property research. TTG will contact the landowner(s) and acquire all Rights of Entry including Exploratory Rights of Entry (EROE), Construction Rights of Entry (CROE), and temporary and permanent ingress/egress rights for projects. Furthermore, TTG's Realty Agent will provide progress information on the WVDEP/AMLNET system as required. The Realty Agent will communicate with WVDEP's Real Estate Representative as to progress of landowner negotiations, landowner questions to be addressed, and status of landowner agreements. If a landowner requests to be an additional insurer, the landowners making the request will be added as an additional insurer. TTG's Realty Agent that conducted landowner negotiations and acquired the rights of entry will attend the pre-bid and pre-construction meetings to address any realty related issues. Consideration will be given to the fact that ownership can also change during the period between a pre-bid and pre-construction and would require new CROE agreement(s). CROE Realty packets will be updated to make sure that no property has changed ownership prior to the actual Pre- Construction meeting and if so, new agreements will be obtained. Pre-Construction photos of the site(s) will be taken and uploaded into AMLNET along with the EROE and CROE Realty packets. It is assumed that TTG's personnel will have access to AMLNET. If there is a dispute or question as to boundary lines, an attempt will be made to sign up both sides/owners in efforts to avoid a boundary survey. Boundary Surveys conducted by a WV licensed Land Surveyor or title opinions to be completed by an attorney in efforts to resolve boundary disputes and ownership will be discussed with DEP Engineers and Realty before taking any action.

#### TASK II-A: EXPLORATORY RIGHT OF ENTRY (EROE)

This task includes all work conducted during EROE negotiations as detailed above.

#### TASK II-B: CONSTRUCTION RIGHT OF ENTRY (CROE)

This task includes all work conducted during CROE negotiations as detailed above.

#### 2023 AML S4 CONTRACT

## MIDDLE FORK (ADKINS) PORTALS KANAWHA COUNTY, WEST VIRGINIA

#### TASK II-C: PRE-BID MEETING NOTICE

TTG will notify all property owners of the upcoming pre-bid meeting. Realty agent or representative will attend pre-bid meeting.

#### TASK II-D: PRE-CONSTRUCTION CONFERENCE NOTICE

TTG will notify all property owners of the upcoming pre-construction meeting. Realty agent or representative will attend pre-construction conference.

#### TASK III: DESIGN

#### TASK III-A: SITE RECONNAISSANCE AND INVESTIGATIONS

This task includes the initial site visit and all work conducted in preparing this scope of services.

#### TASK III-B: SURVEY AND MAPPING

TTG will deploy a 1-man survey crew to the site to survey the project area. This survey will include,

- survey crew will set a minimum of three (3) control points at the project site.
- Locate each of the four (4) portal locations.
- Edge and cross section data points of Middle Fork at the approximate location of the creek crossing.
- Observed existing structures such as, but not limited to, utilities, driveways, mine bench to portals, and/or structures.
- Should property corners be observed during the survey activity, those corners will be incorporated into the survey as a data point.

#### TASK III-C: GEOTECHNICAL INVESTIGATION

Geotechnical investigation will not be required for this project.

#### TASK III-D: ANALYSIS AND DESIGN

After the surveying is complete, TTG will develop a conceptual plan. A meeting will be held with WVDEP onsite to review the design. If the design approach is agreed upon, TTG will proceed to final engineering design and development of construction drawings.

#### TASK III-E: PREPARATION OF PLANS, SPECIFICATIONS, AND ENGINEERS ESTIMATE

TTG will develop the preliminary design package and incorporate the applicable concept and ideas discussed during the conceptual design meeting. Deliverables will include engineering plans, specifications, and estimates. A detailed Engineer's Construction Cost Estimate (ECCE), Engineer's Construction Time Estimate (ECTE), and bid sheet will be developed. The preliminary design will be forwarded to the WVDEP for review and comments. After

#### 2023 AML S4 CONTRACT

## MIDDLE FORK (ADKINS) PORTALS KANAWHA COUNTY, WEST VIRGINIA

addressing these comments, TTG will submit the final design package and update the ECCE, ECTE, and bid sheet, if necessary.

This proposal includes a maximum of four (4) review sessions by the WVDEP. The reviews will occur at the following milestones: 30% design, 60% design, 80% design, and 100% design. Plans, design report, specifications, bid sheet, construction cost estimate, and construction time estimate will be submitted to the WVDEP electronically for each review milestone.

The follow is an anticipated project schedule based on the assumption of receiving a Purchase Order by July 1, 2023

Middle Fork (Adkins) Portals	Estimated Date Range	
NEPA and ESA	8/07/2024	8/13/2024
Realty	7/22/2024	7/26/2024
Survey	8/01/2024	8/02/2024
Design	8/05/2024	8/19/2024
Pre-bid Meeting	3/17/2025	

This schedule does not include estimated dates for approved permits and/or time required to prepare and assign a pre-bid date for the project.

#### TASK III-F: PERMITTING

TTG will prepare and submit a Construction National Pollutant Discharge Elimination System Storm Water permit (NPDES). If necessary, TTG will address comments from the WVDEP associated with the application.

TTG will prepare and submit a WVDOH MM-109 permit for this project as access to the site will be located off Middle Fork Drive.

TTG will submit the USACE permit for the temporary creek crossing in Middle Fork/Davis Creek. This permit is required for the creek crossing. If necessary, TTG will address comments from the USACE associated with the application.

TTG does not anticipate additional permits for the project will be required. Should unforeseen conditions be discovered that requires a permit, TTG will notify the WVDEP prior to proceeding with permit application preparation. TTG anticipates WVDEP will consult other agencies, if required.

#### TASK III-G: PRE-BID CONFERENCE

TTG will work with the WVDEP to prepare, schedule, and conduct the pre-bid meeting.

- a. Work with the WVDEP to establish a pre-bid date.
- b. Provide pre-bid documents such as plans, specifications, and sign in sheet.
- c. Attend and conduct the pre-bid meeting onsite.

#### 2023 AML S4 CONTRACT

## MIDDLE FORK (ADKINS) PORTALS KANAWHA COUNTY, WEST VIRGINIA

d. Assist WVDEP with addendums, as needed.

#### TASK III-H: PRE-CONSTRUCTION CONFERENCE

TTG will work with the WVDEP to prepare, schedule, and conduct the preconstruction meeting.

- a. Provide preconstruction documents such as plans, specifications, sign in sheet, and other required documents.
- b. Attend one (1) pre-construction conference onsite.

#### **TASK IV - CONSTRUCTION OVERSIGHT**

TTG will provide construction oversite for this project. This includes a Resident Project Representative (RPR) who will be on-site daily to observe construction activities. For this proposal, construction time is assumed to be eight (8) hours per day, five (5) days per week for eight (8) weeks. Mileage is assumed to be from Beaver, WV and a per diem of \$50.00.

One site visit for the project manager/designer during construction to ensure the contractor is adhering to approved plans and specifications. TTG will conduct inspection reports and input the information into AMLNET. At the conclusion of construction, TTG will certify the project was built in accordance with the plans and specifications.

TTG will conduct wage rate interviews and ensure certified payrolls are submitted with payment applications in compliance with the Davis-Bacon Act.

#### TASK V - POST-CONSTRUCTION OVERSIGHT

A TTG engineer will review the as-built plans provided by the contractor following construction, the construction oversight documentation and provide an as-built certification that project was completed according to plans, and/or with allowable exceptions.

TTG will provide a Resident Project Representative to monitor/inspect and document site conditions post-construction to verify project aspects are stable, operating as per the plans, and established.

- TTG has included three (3) site visits for post-construction oversight in this proposal.
- Should additional site visits be required or requested, those additional site visits can be included through change order.

Task V includes one (1) site visit for the project manager during final inspection.

#### SECTION 3 COST ESTIMATE

TTG will complete this project on a time and materials basis not to exceed the estimated costs provided in the Cost Summary without prior WVDEP approval. TTG will only invoice for time and expenses incurred.

Please note that the per diem rates provided in the proposal are a projection based on the Federal Per Diem Rates for the current year and project location. The calculated per diem costs included in

#### 2023 AML S4 CONTRACT

## MIDDLE FORK (ADKINS) PORTALS KANAWHA COUNTY, WEST VIRGINIA

this proposal are based on the anticipated number of days that will be required for site visits prior to construction, onsite RPR during construction, and site visits post construction. Per diem rates will be used for required single day trips and days that will require lodging near the project site. The Per Diem rates are as follows:

- Per Diem (meal only; no lodging required) \$50.00 per day.
- Per Diem w/ Lodging (meal & lodging) \$175 per day.
- Mileage \$0.70 per mile.

It is understood that TTG will ensure that all subcontractors are fully insured and have worker's compensation coverage. If you have any additional questions or need additional information, please let me know.

## COST PROPOSAL 2023 AML S4 CONTRACT MIDDLE FORK (ADKINS) PORTALS KANAWHA COUNTY, WEST VIRGINIA

#### **SECTION 4 COST SUMMARY**

## THRAISHER

**COST PROPOSAL** 

THE THRASHER GROUP, INC. FOR ENGINEERING SERVICES

WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF ABANDONED MINE LANDS AND RECLAMATION

2023 AML S4 CONTRACT
WEST COLUMBIA B PHASE II
MASON COUNTY, WEST VIRGINIA

WVDEP CEOI: 0313-DEP24\*04

MAY 8, 2024

THRASHER PROJECT #T30-11373

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### SECTION 1 PROPOSAL BASIS AND NEED FOR PROJECT

#### **PROPOSAL BASIS**

The West Columbia B Phase II project is one of twelve (12) projects included in the 2023 AML S4 contract. This proposal is based on the notification received from the WVDEP initiating negotiations for the 2023 AML S4 contract dated November 13, 2023.

Work associated with this project and described in this proposal will be performed at our Beaver Office:

The Thrasher Group, Inc. 155 Blue Angel Lane Beaver, WV 25813

#### **PROJECT UNDERSTANDING**

The West Columbia B Phase II project is located off Lieving Road (CR 7) in West Columbia, Mason County. The general project consists of:

- Evaluation of four (4) mine portals and the potential four (4) portal closures.
- Evaluation of one (1) vertical shaft and the potential one (1) vertical shaft closure.
- A temporary creek crossing.
- Approximately 400 LF of creek restoration.
- Replace approximately 80 feet of HDPE culverts (double culvert pipes) with box culvert.
- Approximately 250 LF of channel repair and realignment for drainage capacity.
- Approximately 270 LF of channel installation (riprap and/or grouted riprap) for drainage.
- Approximately 800 LF of access road repair.
- Approximately 500 LF of access road construction.
- Approximately 350 LF HDPE culvert pipe on adjacent property to convey drainage to receiving tributary.
- One drop inlet and open road cut.
- Approximately 15,000 CY unclassified excavation.
- Due to observed high levels of iron and low pH readings in the mine water discharge. Water sample result(s) will be utilized as a comparison to the sample results collected by the WVDEP.
   Sample(s) collected by TTG will be analyzed for pH and Iron.

This is a general overview of the project design. Should unforeseen conditions be discovered that requires additional design consideration, TTG will notify the WVDEP prior to proceeding with that design work.

#### SECTION 2 PROPOSED SCOPE OF SERVICES

The following scope of work was prepared based on information collected from the site visit conducted in December 2023 and additional information included in the OSM-51, originally dated June 2022.

The Thrasher Group and its subconsultants (collectively TTG) will perform the following tasks as described. Please note, all subconsultant(s) prices are included in the cost summary.

#### TASK I: NEPA and ESA

#### TASK I-A: AGENCY COORDINATION

This task includes coordination with the WVDEP, Environmental Assessment (EA), Bat Habitat Assessment of portals and office work. Any work required for AMLNET is also included.

TTG will prepare and submit an EA to the Office of Surface Mining & Reclamation Enforcement (OSMRE) and address any comments or concerns from OSMRE.

TTG will collect one (1) water sample from the discharging portal(s), have the sample analyzed, and prepare a report of results. Water sample result(s) will be utilized as a comparison to the sample results collected by the WVDEP. Sample(s) collected by TTG will be analyzed for pH and Iron.

TTG will conduct a Phase I Bat assessment for all open portals associated with the project for possible bat habitat. Work associated with conducting bat habit assessments must be completed by qualified biologists.

The services to be provided will include conducting the Bat Habitat Assessment of all open portals and writing the associated report for this project, as well as any necessary discussions with TTG personnel to incorporate avoidance, minimization, or mitigation actions necessary for the project.

#### **TASK II: REALTY**

TTG will research legal ownership of properties by conducting a thorough search of deed records at the appropriate county courthouse that's local to the project and provide copies of the legal documentation to substantiate legal ownership findings for the properties located within the project area. Employees and/or subcontractors hired to perform realty related work will be familiar with the proper techniques and procedures in property research. TTG will contact the landowner(s) and acquire all Rights of Entry including Exploratory Rights of Entry (EROE), Construction Rights of Entry (CROE), and temporary and permanent ingress/egress rights for projects. Furthermore, TTG's Realty Agent will provide progress information on the WVDEP/AMLNET system as required. The Realty Agent will communicate with WVDEP's Real Estate Representative as to progress of landowner negotiations, landowner questions to be addressed, and status of landowner agreements. If a landowner requests to be an additional insurer, the landowners making the request will be added as an additional insurer. TTG's Realty Agent that conducted landowner

negotiations and acquired the rights of entry will attend the pre-bid and pre-construction meetings to address any realty related issues. Consideration will be given to the fact that ownership can also change during the period between a pre-bid and pre-construction and would require new CROE agreement(s). CROE Realty packets will be updated to make sure that no property has changed ownership prior to the actual Pre- Construction meeting and if so, new agreements will be obtained. Pre-Construction photos of the site(s) will be taken and uploaded into AMLNET along with the EROE and CROE Realty packets. It is assumed that TTG's personnel will have access to AMLNET. If there is a dispute or question as to boundary lines, an attempt will be made to sign up both sides/owners in efforts to avoid a boundary survey. Boundary Surveys conducted by a WV licensed Land Surveyor or title opinions to be completed by an attorney in efforts to resolve boundary disputes and ownership will be discussed with DEP Engineers and Realty before taking any action.

### TASK II-A: EXPLORATORY RIGHT OF ENTRY (EROE)

This task includes all work conducted during EROE negotiations as detailed above.

### TASK II-B: CONSTRUCTION RIGHT OF ENTRY (CROE)

This task includes all work conducted during CROE negotiations as detailed above.

#### TASK II-C: PRE-BID MEETING NOTICE

TTG will notify all property owners of the upcoming pre-bid meeting. Realty agent or representative will attend pre-bid meeting.

### TASK II-D: PRE-CONSTRUCTION CONFERENCE NOTICE

TTG will notify all property owners of the upcoming pre-construction meeting. Realty agent or representative will attend pre-construction conference.

#### TASK III: DESIGN

### TASK III-A: SITE RECONNAISSANCE AND INVESTIGATIONS

This task includes the initial site visit and all work conducted in preparing this scope of services.

#### TASK III-B: SURVEY AND MAPPING

TTG will deploy a 2-man survey crew to the site to survey the project area. This survey will include,

- Survey crew will set a minimum of three (3) control points at the project site.
- Start of access road and centerline of access road to portal locations.
- Each of the four (4) portal and vertical shaft locations.
- Edge of creek, centerline of creek, and cross section undisturbed creek to include the approximate location of creek crossing.
- Observed existing structures such as, but not limited to, access road, utilities, driveways,

and/or structures.

- Proposed and actual Piezometer location(s).
- Topography of area for channel realignment and repair.
- Should property corners be observed during the survey activity, those corners will be incorporated into the survey as a data point.

#### TASK III-C: GEOTECHNICAL INVESTIGATION

Geotechnical investigation will be necessary for this project site.

#### a) Suspected Refuse Pile Area

A suspected refuse pile has been identified at the project site. Exploratory drilling is required to determine the extents and depth of the suspected refuse pile. This proposal includes,

- Three (3) bore holes located throughout the approximate area of the suspected refuse pile.
- A total of 240 ft. of soil drilling. Rock coring is not included.

Standard penetration testing and sampling will be performed in each boring at 2.5 ft. intervals to a depth of 20 feet and then 5 feet intervals to refusal in bedrock or as directed. All boreholes will be backfilled with auger cuttings upon completion. All samples will be analyzed, and findings will be included in the Geotechnical report.

#### b) Piezometer Installation

The subsurface investigation through vertical drilling at two (2) different locations will aid in determining the mine void location and the depth to the bottom of the mine void or coal pavement elevation. The boring will be extended to a depth that corresponds to the mine seam elevation. Once located, a piezometer will be installed with a PVC standpipe extending three (3) feet above existing grade to allow for monitoring of water depth in the mine workings. This proposal includes three attempts to locate the mine void.

- If a void is not encountered on the first attempt, the crew will offset approximately 10 ft. and drill a second attempt.
- If a void is not encountered on the second attempt, the crew will offset approximately 10 ft. in the opposite direction of the first attempt and drill a third time.

If a void is encountered, a temporary piezometer with a 10 ft. slotted screen at the bottom will be installed for future monitoring of groundwater levels at the site. The crew will install the temporary piezometers upon completion of the drilling and seal the ground surface around the top to prevent surface water from infiltrating into the hole.

The PVC casing will be left with approximately three (3) feet of pipe above ground. The anticipated footages for this project are as follows:

- 120 feet drilling in soil
- 540 feet rock coring
- 230 feet piezometer installation

The piezometer PVC standpipe will be a minimum 1.5" diameter.

Areas disturbed during geotechnical investigation will be seeded and mulched upon completion of the investigation. Access roads and/or drill pads will be regraded to approximate existing grade.

TTG has included in this proposal includes three (3) site visits to monitor, measure, and record water levels in the piezometer.

#### TASK III-D: ANALYSIS AND DESIGN

After the surveying is complete, TTG will develop a conceptual plan. A meeting will be held with WVDEP onsite to review the design. If the design approach is agreed upon, TTG will proceed to final engineering design and development of construction drawings.

### TASK III-E: PREPARATION OF PLANS, SPECIFICATIONS, AND ENGINEERS ESTIMATE

TTG will develop the preliminary design package and incorporate the applicable concept and ideas discussed during the conceptual design meeting. Deliverables will include engineering plans, specifications, and estimates. A detailed Engineer's Construction Cost Estimate (ECCE), Engineer's Construction Time Estimate (ECTE), and bid sheet will be developed. The preliminary design will be forwarded to the WVDEP for review and comments. After addressing these comments, TTG will submit the final design package and update the ECCE, ECTE, and bid sheet, if necessary.

This proposal includes a maximum of four (4) review sessions by the WVDEP. The reviews will occur at the following milestones: 30% design, 60% design, 80% design, and 100% design. Plans, design report, specifications, bid sheet, construction cost estimate, and construction time estimate will be submitted to the WVDEP electronically for each review milestone.

The follow is an anticipated project schedule based on the assumption of receiving a Purchase Order by July 1,2023

West Columbia B Phase II	Estimated Date Range	
NEPA and ESA	11/14/2024	11/19/2024
Realty	8/12/2024	8/16/2024
Survey and Geotech	11/04/2024	11/08/2024
Design	11/11/2024	12/02/2024
Pre-bid Meeting	6/30/2025	

This schedule does not include estimated dates for approved permits and/or time required to prepare and assign a pre-bid date for the project.

#### TASK III-F: PERMITTING

#### 2023 AML S4 CONTRACT

## WEST COLUMBIA B PHASE II MASON COUNTY, WEST VIRGINIA

TTG will prepare and submit a Construction National Pollutant Discharge Elimination System Storm Water permit (NPDES). If necessary, TTG will address comments from the WVDEP associated with the application.

TTG does not anticipate a WVDOH MM-109 permit will be required for this project.

TTG will submit the required USACE permit for this project. If necessary, TTG will address comments from the USACE associated with the application.

TTG does not anticipate additional permits for the project will be required. Should unforeseen conditions be discovered that requires a permit, TTG will notify the WVDEP prior to proceeding with permit application preparation. TTG anticipates WVDEP will consult other agencies, if required.

#### TASK III-G: PRE-BID CONFERENCE

TTG will work with the WVDEP to prepare, schedule, and conduct the pre-bid meeting.

- a. Work with the WVDEP to establish a pre-bid date.
- b. Provide pre-bid documents such as plans, specifications, and sign in sheet.
- c. Attend and conduct the pre-bid meeting onsite.
- d. Assist WVDEP with addendums, as needed.

#### TASK III-H: PRE-CONSTRUCTION CONFERENCE

TTG will work with the WVDEP to prepare, schedule, and conduct the preconstruction meeting.

- a. Provide preconstruction documents such as plans, specifications, sign in sheet, and other required documents.
- b. Attend one (1) pre-construction conference onsite.

#### TASK IV - CONSTRUCTION OVERSIGHT

TTG will provide construction oversite for this project. This includes a Resident Project Representative (RPR) who will be on-site daily to observe construction activities. For this proposal, construction time is assumed to be eight (8) hours per day, five (5) days per week for twelve (12) weeks. Mileage is assumed to be from Beaver, WV and a per diem of \$50.00.

One site visit for the project manager/designer during construction to ensure the contractor is adhering to approved plans and specifications. TTG will conduct inspection reports and input the information into AMLNET. At the conclusion of construction, TTG will certify the project was built in accordance with the plans and specifications.

TTG will conduct wage rate interviews and ensure certified payrolls are submitted with payment applications in compliance with the Davis-Bacon Act.

#### TASK V - POST-CONSTRUCTION OVERSIGHT

A TTG engineer will review the as-built plans provided by the contractor following construction, the construction oversight documentation and provide an as-built certification

#### 2023 AML S4 CONTRACT

## WEST COLUMBIA B PHASE II MASON COUNTY, WEST VIRGINIA

that project was completed according to plans, and/or with allowable exceptions.

TTG will provide a Resident Project Representative to monitor/inspect and document site conditions post-construction to verify project aspects are stable, operating as per the plans, and established.

- TTG has included three (3) site visits for post-construction oversight in this proposal.
- Should additional site visits be required or requested, those additional site visits can be included through change order.

Task V includes one (1) site visit for the project manager during final inspection.

#### **SECTION 3 COST ESTIMATE**

TTG will complete this project on a time and materials basis not to exceed the estimated costs provided in the Cost Summary without prior WVDEP approval. TTG will only invoice for time and expenses incurred.

Please note that the per diem rates provided in the proposal are a projection based on the Federal Per Diem Rates for the current year and project location. The calculated per diem costs included in this proposal are based on the anticipated number of days that will be required for site visits prior to construction, onsite RPR during construction, and site visits post construction. Per diem rates will be used for required single day trips and days that will require lodging near the project site. The Per Diem rates are as follows:

- Per Diem (meal only; no lodging required) \$50.00 per day.
- Per Diem w/ Lodging (meal & lodging) \$175 per day.
- Mileage \$0.70 per mile.

It is understood that TTG will ensure that all subcontractors are fully insured and have worker's compensation coverage. If you have any additional questions or need additional information, please let me know.

#### **SECTION 4 COST SUMMARY**

## THRAISHER

**COST PROPOSAL** 

THE THRASHER GROUP, INC. FOR ENGINEERING SERVICES

WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF ABANDONED MINE LANDS AND RECLAMATION

2023 AML S4 CONTRACT LANHAM (WORKMAN) PORTALS PUTNAM COUNTY, WEST VIRGINIA

WVDEP CEOI: 0313-DEP24\*04

MAY 8, 2024

THRASHER PROJECT #T30-11374

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## SECTION 1 PROPOSAL BASIS AND NEED FOR PROJECT

#### PROPOSAL BASIS

The Lanham (Workman) Portals project is one of twelve (12) projects included in the 2023 AML S4 contract. This proposal is based on the notification received from the WVDEP initiating negotiations for the 2023 AML S4 contract dated November 13, 2023.

Work associated with this project and described in this proposal will be performed at our Beaver Office:

The Thrasher Group, Inc. 155 Blue Angel Lane Beaver, WV 25813

### PROJECT UNDERSTANDING

The Lanham (Workman) Portals project is located off of Harmons Creek Road in Lanham, Putnam County.

- Evaluation of four (4) mine portals and the potential four (4) portal closures.
- A temporary creek crossing.
- Approximately 100 LF of creekbank protection.
- Approximately 260 LF of channel installation (riprap and/or grouted riprap) for mine water
- Approximately 1,300 LF of access road repair.
- Due to observed high levels of iron and low pH readings in the mine water discharge. Water sample result(s) will be utilized as a comparison to the sample results collected by the WVDEP. Sample(s) collected by TTG will be analyzed for pH and Iron.

This is a general overview of the project design. Should unforeseen conditions be discovered that requires additional design consideration, TTG will notify the WVDEP prior to proceeding with that design work.

## SECTION 2 PROPOSED SCOPE OF SERVICES

The following scope of work was prepared based on information collected from the site visit conducted in December 2023 and additional information included in the OSM-51, originally dated 6/9/22 and updated in June 2022.

The Thrasher Group and its subconsultants (collectively TTG) will perform the following tasks as described. Please note, all subconsultant(s) prices are included in the cost summary.

#### TASK I: NEPA and ESA

### TASK I-A: AGENCY COORDINATION

This task includes coordination with the WVDEP, Environmental Assessment (EA), Bat Habitat Assessment of portals and office work. Any work required for AMLNET is also included.

TTG will prepare and submit an EA to the Office of Surface Mining & Reclamation Enforcement (OSMRE) and address any comments or concerns from OSMRE.

TTG will collect one (1) water sample from the discharging portal(s), have the sample analyzed, and prepare a report of results. Water sample result(s) will be utilized as a comparison to the sample results collected by the WVDEP. Sample(s) collected by TTG will be analyzed for pH and Iron.

TTG will conduct a Phase I Bat assessment for all open portals associated with the project for possible bat habitat. Work associated with conducting bat habit assessments must be completed by qualified biologists.

The services to be provided will include conducting the Bat Habitat Assessment of all open portals and writing the associated report for this project, as well as any necessary discussions with TTG personnel to incorporate avoidance, minimization, or mitigation actions necessary for the project.

#### TASK II: REALTY

TTG will research legal ownership of properties by conducting a thorough search of deed records at the appropriate county courthouse that's local to the project and provide copies of the legal documentation to substantiate legal ownership findings for the properties located within the project area. Employees and/or subcontractors hired to perform realty related work will be familiar with the proper techniques and procedures in property research. TTG will contact the landowner(s) and acquire all Rights of Entry including Exploratory Rights of Entry (EROE), Construction Rights of Entry (CROE), and temporary and permanent ingress/egress rights for projects. Furthermore, TTG's Realty Agent will provide progress information on the WVDEP/AMLNET system as required. The Realty Agent will communicate with WVDEP's Real Estate Representative as to progress of landowner negotiations, landowner questions to be addressed, and status of landowner agreements. If a landowner requests to be an additional insurer, the landowners making the

#### 2023 AML S4 CONTRACT

## LANHAM (WORKMAN) PORTALS PUTNAM COUNTY, WEST VIRGINIA

request will be added as an additional insurer. TTG's Realty Agent that conducted landowner negotiations and acquired the rights of entry will attend the pre-bid and pre-construction meetings to address any realty related issues. Consideration will be given to the fact that ownership can also change during the period between a pre-bid and pre-construction and would require new CROE agreement(s). CROE Realty packets will be updated to make sure that no property has changed ownership prior to the actual Pre- Construction meeting and if so, new agreements will be obtained. Pre-Construction photos of the site(s) will be taken and uploaded into AMLNET along with the EROE and CROE Realty packets. It is assumed that TTG's personnel will have access to AMLNET. If there is a dispute or question as to boundary lines, an attempt will be made to sign up both sides/owners in efforts to avoid a boundary survey. Boundary Surveys conducted by a WV licensed Land Surveyor or title opinions to be completed by an attorney in efforts to resolve boundary disputes and ownership will be discussed with DEP Engineers and Realty before taking any action.

#### TASK II-A: EXPLORATORY RIGHT OF ENTRY (EROE)

This task includes all work conducted during EROE negotiations as detailed above.

#### TASK II-B: CONSTRUCTION RIGHT OF ENTRY (CROE)

This task includes all work conducted during CROE negotiations as detailed above.

#### TASK II-C: PRE-BID MEETING NOTICE

TTG will notify all property owners of the upcoming pre-bid meeting. Realty agent or representative will attend pre-bid meeting.

#### TASK II-D: PRE-CONSTRUCTION CONFERENCE NOTICE

TTG will notify all property owners of the upcoming pre-construction meeting. Realty agent or representative will attend pre-construction conference.

#### **TASK III: DESIGN**

#### TASK III-A: SITE RECONNAISSANCE AND INVESTIGATIONS

This task includes the initial site visit and all work conducted in preparing this scope of services.

#### TASK III-B: SURVEY AND MAPPING

TTG will deploy a 2-man survey crew to the site to survey the project area. This survey will include.

- Survey crew will set a minimum of three (3) control points at the project site.
- Start of access road and centerline of access road to portal locations.
- Each of the four (4) portal locations.
- Edge of creek and cross section of approximate location of creek crossing.

#### 2023 AML S4 CONTRACT

## LANHAM (WORKMAN) PORTALS PUTNAM COUNTY, WEST VIRGINIA

- Observed existing structures such as, but not limited to, utilities, driveways, and/or structures.
- Should property corners be observed during the survey activity, those corners will be incorporated into the survey as a data point.

#### TASK III-C: GEOTECHNICAL INVESTIGATION

Geotechnical investigation will be necessary at the one portal location that is demonstrating drainage. The subsurface investigation through vertical drilling will aid in determining the mine void location and the depth to the bottom of the mine void or coal pavement elevation. The boring will be extended to a depth that corresponds to the mine seam elevation. Once located a piezometer will be installed with a PVC standpipe extending three (3) feet above existing grade to allow for monitoring of water depth in the mine workings. This proposal includes three attempts to locate the mine void.

- If a void is not encountered on the first attempt, the crew will offset approximately 10 ft. and drill a second attempt.
- If a void is not encountered on the second attempt, the crew will offset approximately 10 ft. in the opposite direction of the first attempt and drill a third time.

If a void is encountered, a temporary piezometer with a 10 ft. slotted screen at the bottom will be installed for future monitoring of groundwater levels at the site. The crew will install the temporary piezometers upon completion of the drilling and seal the ground surface around the top to prevent surface water from infiltrating into the hole. The PVC casing will be left with approximately three (3) feet of pipe above ground. The anticipated footages for this project are as follows:

- 60 feet drilling in soil
- 300 feet rock coring
- 125 feet piezometer installation

The piezometer PVC standpipe will be a minimum 1.5" diameter.

Areas disturbed during geotechnical investigation will be seeded and mulched upon completion of the investigation. Access roads and/or drill pads will be regraded to approximate existing grade.

TTG has included in this proposal includes three (3) site visits to monitor, measure, and record water levels in the piezometer.

#### TASK III-D: ANALYSIS AND DESIGN

After the surveying is complete, TTG will develop a conceptual plan. A meeting will be held with WVDEP onsite to review the design. If the design approach is agreed upon, TTG will proceed to final engineering design and development of construction drawings.

### TASK III-E: PREPARATION OF PLANS, SPECIFICATIONS, AND ENGINEERS ESTIMATE

TTG will develop the preliminary design package and incorporate the applicable concept and ideas discussed during the conceptual design meeting. Deliverables will include engineering plans, specifications, and estimates. A detailed Engineer's Construction Cost Estimate (ECCE), Engineer's Construction Time Estimate (ECTE), and bid sheet will be developed. The

#### 2023 AML S4 CONTRACT

## LANHAM (WORKMAN) PORTALS PUTNAM COUNTY, WEST VIRGINIA

preliminary design will be forwarded to the WVDEP for review and comments. After addressing these comments, TTG will submit the final design package and update the ECCE, ECTE, and bid sheet, if necessary.

This proposal includes a maximum of four (4) review sessions by the WVDEP. The reviews will occur at the following milestones: 30% design, 60% design, 80% design, and 100% design. Plans, design report, specifications, bid sheet, construction cost estimate, and construction time estimate will be submitted to the WVDEP electronically for each review milestone.

The follow is an anticipated project schedule based on the assumption of receiving a Purchase Order by July 1, 2023

Lanham (Workman) Portals	Estimated Date Range	
NEPA and ESA	11/06/2024	11/11/2024
Realty	7/29/2024	8/02/2024
Survey and Geotech	10/31/2024	11/01/2024
Design	11/04/2024	11/18/2024
Pre-bid Meeting	1/17/2025	

This schedule does not include estimated dates for approved permits and/or time required to prepare and assign a pre-bid date for the project.

#### **TASK III-F: PERMITTING**

TTG will prepare and submit a Construction National Pollutant Discharge Elimination System Storm Water permit (NPDES). If necessary, TTG will address comments from the WVDEP associated with the application.

TTG does not anticipate a WVDOH MM-109 permit will be required for this project.

TTG does not anticipate additional permits for the project will be required. Should unforeseen conditions be discovered that requires a permit, TTG will notify the WVDEP prior to proceeding with permit application preparation. TTG anticipates WVDEP will consult other agencies, if required.

#### TASK III-G: PRE-BID CONFERENCE

TTG will work with the WVDEP to prepare, schedule, and conduct the pre-bid meeting.

- a. Work with the WVDEP to establish a pre-bid date.
- b. Provide pre-bid documents such as plans, specifications, and sign in sheet.
- c. Attend and conduct the pre-bid meeting onsite.
- d. Assist WVDEP with addendums, as needed.

#### 2023 AML S4 CONTRACT

## LANHAM (WORKMAN) PORTALS PUTNAM COUNTY, WEST VIRGINIA

#### TASK III-H: PRE-CONSTRUCTION CONFERENCE

TTG will work with the WVDEP to prepare, schedule, and conduct the preconstruction meeting.

- a. Provide preconstruction documents such as plans, specifications, sign in sheet, and other required documents.
- b. Attend one (1) pre-construction conference onsite.

#### TASK IV - CONSTRUCTION OVERSIGHT

TTG will provide construction oversite for this project. This includes a Resident Project Representative (RPR) who will be on-site daily to observe construction activities. For this proposal, construction time is assumed to be eight (8) hours per day, five (5) days per week for eight (8) weeks. Mileage is assumed to be from Beaver, WV and a per diem of \$50.00. One site visit for the project manager/designer during construction to ensure the contractor is adhering to approved plans and specifications. TTG will conduct inspection reports and input the information into AMLNET. At the conclusion of construction, TTG will certify the project was built in accordance with the plans and specifications.

#### TASK V - POST-CONSTRUCTION OVERSIGHT

A TTG engineer will review the as-built plans provided by the contractor following construction, the construction oversight documentation and provide an as-built certification that project was completed according to plans, and/or with allowable exceptions.

TTG will provide a Resident Project Representative to monitor/inspect and document site conditions post-construction to verify project aspects are stable, operating as per the plans, and established.

- TTG has included one (1) site visit per month for the twelve-month (1-year) warranty period for a total of twelve (12) site visits.
- Prepare and upload inspection reports on AMLNET.

Task V includes one (1) site visit for the project manager during final inspection.

#### SECTION 3 COST ESTIMATE

TTG will complete this project on a time and materials basis not to exceed the estimated costs provided in the Cost Summary without prior WVDEP approval. TTG will only invoice for time and expenses incurred.

Please note that the per diem rates provided in the proposal are a projection based on the Federal Per Diem Rates for the current year and project location. The calculated per diem costs included in this proposal are based on the anticipated number of days that will be required for site visits prior to construction, onsite RPR during construction, and site visits post construction. Per diem rates will be used for required single day trips and days that will require lodging near the project site. The Per Diem rates are as follows:

## 2023 AML S4 CONTRACT LANHAM (WORKMAN) PORTALS

- PUTNAM COUNTY, WEST VIRGINIA
- Per Diem (meal only; no lodging required) \$50.00 per day.
  Per Diem w/ Lodging (meal & lodging) \$175 per day.
- Mileage \$0.70 per mile.

It is understood that TTG will ensure that all subcontractors are fully insured and have worker's compensation coverage. If you have any additional questions or need additional information, please let me know.

## SECTION 4 COST SUMMARY

THE THRASHER GROUP, INC. FOR ENGINEERING SERVICES

WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF ABANDONED MINE LANDS AND RECLAMATION

2023 AML S4 CONTRACT
HARMONDS CREEK PORTALS PHASE II
PUTNAM COUNTY, WEST VIRGINIA

WVDEP CEOI: 0313-DEP24\*04

MAY 8, 2024

THRASHER PROJECT #T30-11375

## COST PROPOSAL 2023 AML S4 CONTRACT HARMONDS CREEK PORTALS PHASE II PUTNAM COUNTY, WEST VIRGINIA

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# COST PROPOSAL 2023 AML S4 CONTRACT HARMONDS CREEK PORTALS PHASE II PUTNAM COUNTY, WEST VIRGINIA

# SECTION 1 PROPOSAL BASIS AND NEED FOR PROJECT

#### PROPOSAL BASIS

The Harmonds Creek Portals Phase II project is one of twelve (12) projects included in the 2023 AML S4 contract. This proposal is based on the notification received from the WVDEP initiating negotiations for the 2023 AML S4 contract dated November 13, 2023.

Work associated with this project and described in this proposal will be performed at our Beaver Office:

The Thrasher Group, Inc. 155 Blue Angel Lane Beaver, WV 25813

#### **PROJECT UNDERSTANDING**

The Harmonds Creek Portals Phase II project is located off Harmons Creek Road in Lanham, Putnam County. The general project consists of:

- Evaluation of seventeen (17) mine portals and the potential seventeen (17) portal closures.
- A temporary creek crossing.
- Approximately 2,280 LF of channel installation (riprap and/or grouted riprap) for mine water conveyance.
- Approximately 2,900 cubic yards of unclassified excavation.
- Approximately 1,500 LF of access road repair.
- Approximately 3,400 LF of access road construction.
- Due to observed high levels of iron and low pH readings in the mine water discharge. Water sample result(s) will be utilized as a comparison to the sample results collected by the WVDEP.
   Sample(s) collected by TTG will be analyzed for pH and Iron.

This is a general overview of the project design. Should unforeseen conditions be discovered that requires additional design consideration, TTG will notify the WVDEP prior to proceeding with that design work.

# COST PROPOSAL 2023 AML S4 CONTRACT HARMONDS CREEK PORTALS PHASE II PUTNAM COUNTY, WEST VIRGINIA

# SECTION 2 PROPOSED SCOPE OF SERVICES

The following scope of work was prepared based on information collected from the site visit conducted in December 2023 and additional information included in the OSM-51, originally prepared in 2012 and updated in June 2022.

The Thrasher Group and its subconsultants (collectively TTG) will perform the following tasks as described. Please note, all subconsultant(s) prices are included in the cost summary.

#### TASK I: NEPA and ESA

#### TASK I-A: AGENCY COORDINATION

This task includes coordination with the WVDEP, Environmental Assessment (EA), Bat Habitat Assessment of portals and office work. Any work required for AMLNET is also included.

TTG will prepare and submit an EA to the Office of Surface Mining & Reclamation Enforcement (OSMRE) and address any comments or concerns from OSMRE.

TTG will collect one (1) water sample from the discharging portal(s), have the sample analyzed, and prepare a report of results. Water sample result(s) will be utilized as a comparison to the sample results collected by the WVDEP. Sample(s) collected by TTG will be analyzed for pH and Iron.

TTG will conduct a Phase I Bat assessment for all open portals associated with the project for possible bat habitat. Work associated with conducting bat habit assessments must be completed by qualified biologists.

The project area is approximately 13 acres and part of the Lower Kanawha River watershed. Storm drainage and iron laden mine discharge flows to Harmond's Creek which is a tributary of the Pocatalico River. Harmond's Creek runs through the center of the project site which will require additional research and attention during the environmental assessment as there will be construction on both sides of the creek and mine discharge will be directed, through channels, to Harmond's Creek. The bat portal(s) and mine portals discharging mine water will be part of conducting the field research required for the Environmental assessment. Reports and/or documentation of the environmental assessment will be prepared for submittal to WVDEP and/or agencies. TTG will utilize this information to develop design plans to incorporate avoidance, minimization, or mitigation actions necessary for the project.

#### TASK II: REALTY

TTG will research legal ownership of properties by conducting a thorough search of deed records at the appropriate county courthouse that's local to the project and provide copies of the legal documentation to substantiate legal ownership findings for the properties located within the project area. Employees and/or subcontractors hired to perform realty related work will be familiar with the proper techniques and procedures in property research. TTG will contact the landowner(s) and acquire all Rights of Entry including Exploratory Rights of Entry (EROE), Construction Rights of

#### 2023 AML S4 CONTRACT

# HARMONDS CREEK PORTALS PHASE II PUTNAM COUNTY, WEST VIRGINIA

Entry (CROE), and temporary and permanent ingress/egress rights for projects. Furthermore, TTG's Realty Agent will provide progress information on the WVDEP/AMLNET system as required. The Realty Agent will communicate with WVDEP's Real Estate Representative as to progress of landowner negotiations, landowner questions to be addressed, and status of landowner agreements.

If a landowner requests to be an additional insurer, the landowners making the request will be added as an additional insurer.

TTG's Realty Agent that conducted landowner negotiations and acquired the rights of entry will attend the pre-bid and pre-construction meetings to address any realty related issues. Consideration will be given to the fact that ownership can also change during the period between a pre-bid and pre-construction and would require new CROE agreement(s). CROE Realty packets will be updated to make sure that no property has changed ownership prior to the actual Pre-Construction meeting and if so, new agreements will be obtained. Pre-Construction photos of the site(s) will be taken and uploaded into AMLNET along with the EROE and CROE Realty packets. It is assumed that TTG's personnel will have access to AMLNET. If there is a dispute or question as to boundary lines, an attempt will be made to sign up both sides/owners in efforts to avoid a boundary survey. Boundary Surveys conducted by a WV licensed Land Surveyor or title opinions to be completed by an attorney in efforts to resolve boundary disputes and ownership will be discussed with DEP Engineers and Realty before taking any action.

# TASK II-A: EXPLORATORY RIGHT OF ENTRY (EROE)

This task includes all work conducted during EROE negotiations as detailed above.

# TASK II-B: CONSTRUCTION RIGHT OF ENTRY (CROE)

This task includes all work conducted during CROE negotiations as detailed above.

# TASK II-C: PRE-BID MEETING NOTICE

TTG will notify all property owners of the upcoming pre-bid meeting. Realty agent or representative will attend pre-bid meeting.

# TASK II-D: PRE-CONSTRUCTION CONFERENCE NOTICE

TTG will notify all property owners of the upcoming pre-construction meeting. Realty agent or representative will attend pre-construction conference.

#### **TASK III: DESIGN**

# TASK III-A: SITE RECONNAISSANCE AND INVESTIGATIONS

This task includes the initial site visit and all work conducted in preparing this scope of services.

# TASK III-B: SURVEY AND MAPPING

## 2023 AML S4 CONTRACT

## HARMONDS CREEK PORTALS PHASE II PUTNAM COUNTY, WEST VIRGINIA

TTG will deploy a 1-man survey crew to the site to survey the project area. This survey will include,

- Survey crew will set a minimum of three (3) control points at the project site.
- Start of access road and centerline of access road to portal locations.
- Each of the seventeen (17) portal locations.
- Edge of creek and cross section of approximate location of creek crossing.
- Proposed and actual borehole and piezometer locations.
- Approximate perimeter of refuse pile.
- Observed existing structures such as, but not limited to, utilities, driveways, and/or structures.
- Should property corners be observed during the survey activity, those corners will be incorporated into the survey as a data point.

TTG will deploy a 1-man drone survey crew to collect topography of the refuse pile area, associated portals, and tributary. Due to the distance from the portals to the receiving tributary and the steep grade currently at the site, updated contours will be critical to design drainage channels and final grade of the refuse pile regrade area.

# TASK III-C: GEOTECHNICAL INVESTIGATION

Geotechnical investigation will be necessary for this project site.

# a) Suspected Refuse Pile Area

The area between Portal 3 and Portal 6 is suspected to contain coal refuse. Channels to convey mine water discharge will be excavated in this area. Exploratory drilling is required to determine the extents and depth of the suspected refuse pile. This proposal includes,

- Six (6) bore holes located throughout the approximate area of the suspected refuse pile.
- A total of 210 ft. of soil drilling. Rock coring is not included.

Standard penetration testing and sampling will be performed in each boring at 2.5 ft. intervals to a depth of 20 feet and then 5 feet intervals to refusal in bedrock or as directed. All boreholes will be backfilled with auger cuttings upon completion. All samples will be analyzed, and findings will be included in the Geotechnical report.

# b) Piezometer Installation

There are, currently, seventeen (17) portals discharging water. The subsurface investigation through vertical drilling at five (5) different locations (portal groupings) will aid in determining the mine void location and the depth to the bottom of the mine void or coal pavement elevation. The boring will be extended to a depth that corresponds to the mine seam elevation. Once located, a piezometer will be installed with a PVC standpipe extending three (3) feet above existing grade to allow for monitoring of water depth in the mine workings. This proposal includes three attempts to locate the mine void.

If a void is not encountered on the first attempt, the crew will offset approximately 10 ft. and drill a second attempt.

#### **2023 AML S4 CONTRACT**

# HARMONDS CREEK PORTALS PHASE II PUTNAM COUNTY, WEST VIRGINIA

If a void is not encountered on the second attempt, the crew will offset approximately 10 ft. in the opposite direction of the first attempt and drill a third time.

If a void is encountered, a temporary piezometer with a 10 ft. slotted screen at the bottom will be installed for future monitoring of groundwater levels at the site. The crew will install the temporary piezometers upon completion of the drilling and seal the ground surface around the top to prevent surface water from infiltrating into the hole.

The PVC casing will be left with approximately three (3) feet of pipe above ground. The anticipated footages for this project are as follows:

- 810 feet drilling in soil
- 1500 feet rock coring
- 625 feet piezometer installation

The piezometer PVC standpipe will be a minimum 1.5" diameter.

Areas disturbed during geotechnical investigation will be seeded and mulched upon completion of the investigation. Access roads and/or drill pads will be regraded to approximate existing grade.

TTG has included in this proposal three (3) site visits to monitor, measure, and record water levels in the piezometer.

#### TASK III-D: ANALYSIS AND DESIGN

After the surveying is complete, TTG will develop a conceptual plan. A meeting will be held with WVDEP onsite to review the design. If the design approach is agreed upon, TTG will proceed to final engineering design and development of construction drawings.

# TASK III-E: PREPARATION OF PLANS, SPECIFICATIONS, AND ENGINEERS ESTIMATE

TTG will develop the preliminary design package and incorporate the applicable concept and ideas discussed during the conceptual design meeting. Deliverables will include engineering plans, specifications, and estimates. A detailed Engineer's Construction Cost Estimate (ECCE), Engineer's Construction Time Estimate (ECTE), and bid sheet will be developed. The preliminary design will be forwarded to the WVDEP for review and comments. After addressing these comments, TTG will submit the final design package and update the ECCE, ECTE, and bid sheet, if necessary.

This proposal includes a maximum of four (4) review sessions by the WVDEP. The reviews will occur at the following milestones: 30% design, 60% design, 80% design, and 100% design. Plans, design report, specifications, bid sheet, construction cost estimate, and construction time estimate will be submitted to the WVDEP electronically for each review milestone.

#### 2023 AML S4 CONTRACT

# HARMONDS CREEK PORTALS PHASE II PUTNAM COUNTY, WEST VIRGINIA

The follow is an anticipated project schedule based on the assumption of receiving a Purchase Order by July 1, 2023

Harmonds Creek Portals Phase II	Estimated Date Range	e	
NEPA and ESA	11/06/2024	11/11/2024	
Realty	7/29/2024	8/02/2024	
Survey and Geotech	10/09/2024	10/30/2024	
Design	11/04/2024	11/27/2024	
Pre-bid Meeting	6/25/2025		

This schedule does not include estimated dates for approved permits and/or time required to prepare and assign a pre-bid date for the project.

#### TASK III-F: PERMITTING

TTG will prepare and submit a Construction National Pollutant Discharge Elimination System Storm Water permit (NPDES). If necessary, TTG will address comments from the WVDEP associated with the application.

TTG will submit the required USACE permit for this project. If necessary, TTG will address comments from the USACE associated with the application.

TTG does not anticipate a WVDOH MM-109 permit will be required for this project.

TTG does not anticipate additional permits for the project will be required. Should unforeseen conditions be discovered that requires a permit, TTG will notify the WVDEP prior to proceeding with permit application preparation.

TTG anticipates WVDEP will consult other agencies, if required.

#### TASK III-G: PRE-BID CONFERENCE

TTG will work with the WVDEP to prepare, schedule, and conduct the pre-bid meeting.

- a. Work with the WVDEP to establish a pre-bid date.
- b. Provide pre-bid documents such as plans, specifications, and sign in sheet.
- c. Attend and conduct the pre-bid meeting onsite.
- d. Assist WVDEP with addendums, as needed.

#### TASK III-H: PRE-CONSTRUCTION CONFERENCE

TTG will work with the WVDEP to prepare, schedule, and conduct the preconstruction meeting.

- a. Provide preconstruction documents such as plans, specifications, sign in sheet, and other required documents.
- b. Attend one (1) pre-construction conference onsite.

# COST PROPOSAL 2023 AML S4 CONTRACT HARMONDS CREEK PORTALS PHASE II PUTNAM COUNTY, WEST VIRGINIA

#### **TASK IV - CONSTRUCTION OVERSIGHT**

TTG will provide construction oversite for this project. This includes a Resident Project Representative (RPR) who will be on-site daily to observe construction activities. For this proposal, construction time is assumed to be eight (8) hours per day, five (5) days per week for sixteen (16) weeks. Mileage is assumed to be from Beaver, WV and a per diem of \$50.00. One site visit for the project manager/designer during construction to ensure the contractor is adhering to approved plans and specifications. TTG will conduct inspection reports and input the information into AMLNET. At the conclusion of construction, TTG will certify the project was built in accordance with the plans and specifications.

TTG will conduct wage rate interviews and ensure certified payrolls are submitted with payment applications in compliance with the Davis-Bacon Act.

## **TASK V - POST-CONSTRUCTION OVERSIGHT**

A TTG engineer will review the as-built plans provided by the contractor following construction, the construction oversight documentation and provide an as-built certification that project was completed according to plans, and/or with allowable exceptions.

TTG will provide a Resident Project Representative to monitor/inspect and document site conditions post-construction to verify project aspects are stable, operating as per the plans, and established.

- TTG has included three (3) site visits for post-construction oversight in this proposal.
- Should additional site visits be required or requested, those additional site visits can be included through change order.

Task V includes one (1) site visit for the project manager during final inspection.

## **SECTION 3 COST ESTIMATE**

TTG will complete this project on a time and materials basis not to exceed the estimated costs provided in the Cost Summary without prior WVDEP approval. TTG will only invoice for time and expenses incurred.

Please note that the per diem rates provided in the proposal are a projection based on the Federal Per Diem Rates for the current year and project location. The calculated per diem costs included in this proposal are based on the anticipated number of days that will be required for site visits prior to construction, onsite RPR during construction, and site visits post construction. Per diem rates will be used for required single day trips and days that will require lodging near the project site. The Per Diem

#### 2023 AML S4 CONTRACT

# HARMONDS CREEK PORTALS PHASE II PUTNAM COUNTY, WEST VIRGINIA

#### rates are as follows:

- Per Diem (meal only; no lodging required) \$50.00 per day.
- Per Diem w/ Lodging (meal & lodging) \$175 per day.
- Mileage \$0.70 per mile.

It is understood that TTG will ensure that all subcontractors are fully insured and have worker's compensation coverage. If you have any additional questions or need additional information, please let me know.

# COST PROPOSAL 2023 AML S4 CONTRACT HARMONDS CREEK PORTALS PHASE II PUTNAM COUNTY, WEST VIRGINIA

**SECTION 4 COST SUMMARY** 

THE THRASHER GROUP, INC. FOR ENGINEERING SERVICES

WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF ABANDONED MINE LANDS AND RECLAMATION

2023 AML S4 CONTRACT
GUYAN RIVER REFUSE
LINCOLN COUNTY, WEST VIRGINIA

WVDEP CEOI: 0313-DEP24\*04

MAY 8, 2024

THRASHER PROJECT #T30-11376

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# SECTION 1 PROPOSAL BASIS AND NEED FOR PROJECT

#### PROPOSAL BASIS

The Guyan River Refuse project is one of twelve (12) projects included in the 2023 AML S4 contract. This proposal is based on the notification received from the WVDEP initiating negotiations for the 2023 AML S4 contract dated November 13, 2023.

Work associated with this project and described in this proposal will be performed at our Beaver Office:

The Thrasher Group, Inc. 155 Blue Angel Lane Beaver, WV 25813

# PROJECT UNDERSTANDING

The Guyan River Refuse project is located between 6 Mile Road and Guyan River Road in Branchland, Lincoln County. The general project consists of:

- Evaluation of three (3) mine portals and the potential three (3) portal closures.
- Approximately 115,000 CY of unclassified excavation.
- Approximately 700 LF of channel installation (riprap and/or grouted riprap) for mine water conveyance.
- Approximately 2,700 LF of access road repair.
- Approximately 200 LF of access road construction.

This is a general overview of the project design. Should unforeseen conditions be discovered that requires additional design consideration, TTG will notify the WVDEP prior to proceeding with that design work.

## SECTION 2 PROPOSED SCOPE OF SERVICES

The following scope of work was prepared based on information collected from the site visit conducted in December 2023 and additional information included in the OSM-51, originally dated 7/3/87 and updated in March 2023.

The Thrasher Group and its subconsultants (collectively TTG) will perform the following tasks as described. Please note, all subconsultant(s) prices are included in the cost summary.

#### TASK I: NEPA and ESA

#### **TASK I-A: AGENCY COORDINATION**

This task includes coordination with the WVDEP, Environmental Assessment (EA), Bat Habitat Assessment of portals and office work. Any work required for AMLNET is also included.

TTG will prepare and submit an EA to the Office of Surface Mining & Reclamation Enforcement (OSMRE) and address any comments or concerns from OSMRE.

TTG will collect one (1) water sample from the discharging portal(s), have the sample analyzed, and prepare a report of results. Water sample result(s) will be utilized as a comparison to the sample results collected by the WVDEP. Sample(s) collected by TTG will be analyzed for pH and Iron.

TTG will conduct a Phase I Bat assessment for all open portals associated with the project for possible bat habitat. Work associated with conducting bat habit assessments must be completed by qualified biologists.

The services to be provided will include conducting the Bat Habitat Assessment of all open portals and writing the associated report for this project, as well as any necessary discussions with TTG personnel to incorporate avoidance, minimization, or mitigation actions necessary for the project.

## **TASK II: REALTY**

TTG will research legal ownership of properties by conducting a thorough search of deed records at the appropriate county courthouse that's local to the project and provide copies of the legal documentation to substantiate legal ownership findings for the properties located within the project area. Employees and/or subcontractors hired to perform realty related work will be familiar with the proper techniques and procedures in property research. TTG will contact the landowner(s) and acquire all Rights of Entry including Exploratory Rights of Entry (EROE), Construction Rights of Entry (CROE), and temporary and permanent ingress/egress rights for projects. Furthermore, TTG's Realty Agent will provide progress information on the WVDEP/AMLNET system as required. The Realty Agent will communicate with WVDEP's Real Estate Representative as to progress of landowner negotiations, landowner questions to be addressed, and status of landowner agreements. If a landowner requests to be an additional

insurer, the landowners making the request will be added as an additional insurer. TTG's Realty Agent that conducted landowner negotiations and acquired the rights of entry will attend the pre-bid and pre-construction meetings to address any realty related issues. Consideration will be given to the fact that ownership can also change during the period between a pre-bid and pre-construction and would require new CROE agreement(s). CROE Realty packets will be updated to make sure that no property has changed ownership prior to the actual Pre- Construction meeting and if so, new agreements will be obtained. Pre-Construction photos of the site(s) will be taken and uploaded into AMLNET along with the EROE and CROE Realty packets. It is assumed that TTG's personnel will have access to AMLNET. If there is a dispute or question as to boundary lines, an attempt will be made to sign up both sides/owners in efforts to avoid a boundary survey. Boundary Surveys conducted by a WV licensed Land Surveyor or title opinions to be completed by an attorney in efforts to resolve boundary disputes and ownership will be discussed with DEP Engineers and Realty before taking any action.

## TASK II-A: EXPLORATORY RIGHT OF ENTRY (EROE)

This task includes all work conducted during EROE negotiations as detailed above.

## TASK II-B: CONSTRUCTION RIGHT OF ENTRY (CROE)

This task includes all work conducted during CROE negotiations as detailed above.

#### TASK II-C: PRE-BID MEETING NOTICE

TTG will notify all property owners of the upcoming pre-bid meeting. Realty agent or representative will attend pre-bid meeting.

## TASK II-D: PRE-CONSTRUCTION CONFERENCE NOTICE

TTG will notify all property owners of the upcoming pre-construction meeting. Realty agent or representative will attend pre-construction conference.

#### TASK III: DESIGN

## TASK III-A: SITE RECONNAISSANCE AND INVESTIGATIONS

This task includes the initial site visit and all work conducted in preparing this scope of services.

#### TASK III-B: SURVEY AND MAPPING

TTG will deploy a 2-man survey crew to the site to survey the project area. This survey will include,

- survey crew will set a minimum of three (3) control points at the project site.
- Start of access road (mine bench) and centerline of access road (mine bench) to portal locations.
- Each of the three (3) portal locations.
- Proposed and actual thirteen (13) borehole locations.

- Observed existing structures such as, but not limited to, utilities, driveways, and/or structures.
- Approximate perimeter of refuse pile.
- Should property corners be observed during the survey activity, those corners will be incorporated into the survey as a data point.

TTG will deploy a 1-man drone survey crew to collect topography of the refuse pile area for grading and channel design.

#### TASK III-C: GEOTECHNICAL INVESTIGATION

Geotechnical investigation will be necessary for this project site.

#### a) Refuse Pile Area

Exploratory drilling is required to determine the extents and depth of the suspected refuse pile. This proposal includes,

- Thirteen (13) bore holes located throughout the approximate area of the refuse pile.
- A total of 400 ft. of soil drilling. Rock coring is not included.

Standard penetration testing and sampling will be performed in each boring at 2.5 ft. intervals to a depth of 20 feet and then 5 feet intervals to refusal in bedrock or as directed. All boreholes will be backfilled with auger cuttings upon completion. All samples will be analyzed, and findings will be included in the Geotechnical report.

Areas disturbed during geotechnical investigation will be seeded and mulched upon completion of the investigation. Access roads and/or drill pads will be regraded to approximate existing grade.

#### TASK III-D: ANALYSIS AND DESIGN

After the surveying is complete, TTG will develop a conceptual plan. A meeting will be held with WVDEP onsite to review the design. If the design approach is agreed upon, TTG will proceed to final engineering design and development of construction drawings.

# TASK III-E: PREPARATION OF PLANS, SPECIFICATIONS, AND ENGINEERS ESTIMATE

TTG will develop the preliminary design package and incorporate the applicable concept and ideas discussed during the conceptual design meeting. Deliverables will include engineering plans, specifications, and estimates. A detailed Engineer's Construction Cost Estimate (ECCE), Engineer's Construction Time Estimate (ECTE), and bid sheet will be developed. The preliminary design will be forwarded to the WVDEP for review and comments. After addressing these comments, TTG will submit the final design package and update the ECCE, ECTE, and bid sheet, if necessary.

This proposal includes a maximum of four (4) review sessions by the WVDEP. The reviews will occur at the following milestones: 30% design, 60% design, 80% design, and 100% design. Plans, design report, specifications, bid sheet, construction cost estimate, and construction time estimate will be submitted to the WVDEP electronically for each review milestone.

#### 2023 AML S4 CONTRACT

#### **GUYAN RIVER REFUSE** LINCOLN COUNTY, WEST VIRGINIA

The follow is an anticipated project schedule based on the assumption of receiving a Purchase Order by July 1, 2023

Guyan River Refuse	Estimated Date Rang	ge	
NEPA and ESA	9/19/2024	9/26/2024	
Realty	7/16/2024	7/19/2024	
Survey and Geotech	9/02/2024	9/16/2024	
Design	9/17/2024	10/08/2024	
Pre-bid Meeting	2/05/2025		

This schedule does not include estimated dates for approved permits and/or time required to prepare and assign a pre-bid date for the project.

#### TASK III-F: PERMITTING

TTG will prepare and submit a Construction National Pollutant Discharge Elimination System Storm Water permit (NPDES).

If necessary, TTG will address comments from the WVDEP associated with the application.

TTG does not anticipate a WVDOH MM-109 permit will be required for this project.

TTG does not anticipate additional permits for the project will be required. Should unforeseen conditions be discovered that requires a permit, TTG will notify the WVDEP prior to proceeding with permit application preparation. TTG anticipates WVDEP will consult other agencies, if required.

#### TASK III-G: PRE-BID CONFERENCE

TTG will work with the WVDEP to prepare, schedule, and conduct the pre-bid meeting.

- a. Work with the WVDEP to establish a pre-bid date.
- b. Provide pre-bid documents such as plans, specifications, and sign in sheet.
- c. Attend and conduct the pre-bid meeting onsite.
- d. Assist WVDEP with addendums, as needed.

## TASK III-H: PRE-CONSTRUCTION CONFERENCE

TTG will work with the WVDEP to prepare, schedule, and conduct the preconstruction meeting.

- a. Provide preconstruction documents such as plans, specifications, sign in sheet, and other required documents.
- b. Attend one (1) pre-construction conference onsite.

#### **TASK IV - CONSTRUCTION OVERSIGHT**

TTG will provide construction oversite for this project. This includes a Resident Project Representative (RPR) who will be on-site daily to observe construction activities. For this proposal,

construction time is assumed to be eight (8) hours per day, five (5) days per week for eighteen (18) weeks. Mileage is assumed to be from Beaver, WV and a per diem of \$50.00. One site visit for the project manager/designer during construction to ensure the contractor is adhering to approved plans and specifications. TTG will conduct inspection reports and input the information into AMLNET. At the conclusion of construction, TTG will certify the project was built in accordance with the plans and specifications.

TTG will conduct wage rate interviews and ensure certified payrolls are submitted with payment applications in compliance with the Davis-Bacon Act.

## **TASK V - POST-CONSTRUCTION OVERSIGHT**

A TTG engineer will review the as-built plans provided by the contractor following construction, the construction oversight documentation and provide an as-built certification that project was completed according to plans, and/or with allowable exceptions.

TTG will provide a Resident Project Representative to monitor/inspect and document site conditions post-construction to verify project aspects are stable, operating as per the plans, and established.

- TTG has included three (3) site visits for post-construction oversight in this proposal.
- Should additional site visits be required or requested, those additional site visits can be included through change order.

Task V includes one (1) site visit for the project manager during final inspection.

## **SECTION 3 COST ESTIMATE**

TTG will complete this project on a time and materials basis not to exceed the estimated costs provided in the Cost Summary without prior WVDEP approval. TTG will only invoice for time and expenses incurred.

Please note that the per diem rates provided in the proposal are a projection based on the Federal Per Diem Rates for the current year and project location. The calculated per diem costs included in this proposal are based on the anticipated number of days that will be required for site visits prior to construction, onsite RPR during construction, and site visits post construction. Per diem rates will be used for required single day trips and days that will require lodging near the project site. The Per Diem rates are as follows:

- Per Diem (meal only; no lodging required) \$50.00 per day.
- Per Diem w/ Lodging (meal & lodging) \$175 per day.
- Mileage \$0.70 per mile.

It is understood that TTG will ensure that all subcontractors are fully insured and have worker's compensation coverage. If you have any additional questions or need additional information, please let me know.

# **SECTION 4 COST SUMMARY**

# THRASHER

**COST PROPOSAL** 

THE THRASHER GROUP, INC. FOR ENGINEERING SERVICES

WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF ABANDONED MINE LANDS AND RECLAMATION

2023 AML S4 CONTRACT
CADBURY LAND DRAINAGE AND HIGHWALL
KANAWHA COUNTY, WEST VIRGINIA

WVDEP CEOI: 0313-DEP24\*04

MAY 8, 2024

THRASHER PROJECT #T30-11377

#### 2023 AML S4 CONTRACT

# CADBURY LAND DRAINAGE AND HIGHWALL KANAWHA COUNTY, WEST VIRGINIA

## **TABLE OF CONTENTS**

SECTION 1	PROPOSAL BASIS / NEED FOR PROJECT
SECTION 2	PROPOSED SCOPE OF SERVICES
SECTION 3	COST ESTIMATE
SECTION 4	COST SUMMARY

#### **2023 AML S4 CONTRACT**

# CADBURY LAND DRAINAGE AND HIGHWALL KANAWHA COUNTY, WEST VIRGINIA

# SECTION 1 PROPOSAL BASIS AND NEED FOR PROJECT

## PROPOSAL BASIS

The Cadbury Land Drainage and Highwall project is one of twelve (12) projects included in the 2023 AML S4 contract. This proposal is based on the notification received from the WVDEP initiating negotiations for the 2023 AML S4 contract dated November 13, 2023.

Work associated with this project and described in this proposal will be performed at our Beaver Office:

The Thrasher Group, Inc. 155 Blue Angel Lane Beaver, WV 25813

# PROJECT UNDERSTANDING

The Cadbury Land Drainage and Highwall project is located off Cadbury Lane (CR 29/1) in Kanawha County. The general project consists of:

- Approximately seven hundred fifty thousand (750,000) cubic yards of unclassified excavation.
- Approximately three thousand eight hundred (3800) LF of channel installation (riprap and/or grouted riprap) for drainage.
- Approximately two thousand three hundred (2,300) LF of access road repair.
- Approximately five thousand five hundred (5,500) LF of access road construction.
- Stormwater retention and/or detention system.
- Approximately seven thousand (7,000) LF of rock core and/or underdrain at toe of highwall.
- Approximately one hundred (100) LF HDPE culvert pipe.
- Due to observed high levels of iron and low pH readings in the mine water discharge. Water sample result(s) will be utilized as a comparison to the sample results collected by the WVDEP. Sample(s) collected by TTG will be analyzed for pH and Iron.

This is a general overview of the project design. Should unforeseen conditions be discovered that requires additional design consideration, TTG will notify the WVDEP prior to proceeding with that design work.

# 2023 AML S4 CONTRACT

## CADBURY LAND DRAINAGE AND HIGHWALL KANAWHA COUNTY, WEST VIRGINIA

# SECTION 2 PROPOSED SCOPE OF SERVICES

The following scope of work was prepared based on information collected from the site visit conducted in December 2023 and additional information included in the OSM-51, originally dated 2015, updated in 2021, and updated again in 2022.

The Thrasher Group and its subconsultants (collectively TTG) will perform the following tasks as described. Please note, all subconsultant(s) prices are included in the cost summary.

## TASK I: NEPA and ESA

# TASK I-A: AGENCY COORDINATION

This task includes coordination with the WVDEP, Environmental Assessment (EA), and office work. Any work required for AMLNET is also included.

TTG will prepare and submit an EA to the Office of Surface Mining & Reclamation Enforcement (OSMRE) and address any comments or concerns from OSMRE.

TTG will collect one (1) water sample from the discharging portal(s), have the sample analyzed, and prepare a report of results. Water sample result(s) will be utilized as a comparison to the sample results collected by the WVDEP. Sample(s) collected by TTG will be analyzed for pH and Iron.

#### TASK II: REALTY

TTG will research legal ownership of properties by conducting a thorough search of deed records at the appropriate county courthouse that's local to the project and provide copies of the legal documentation to substantiate legal ownership findings for the properties located within the project area. Employees and/or subcontractors hired to perform realty related work will be familiar with the proper techniques and procedures in property research. TTG will contact the landowner(s) and acquire all Rights of Entry including Exploratory Rights of Entry (EROE), Construction Rights of Entry (CROE), and temporary and permanent ingress/egress rights for projects. Furthermore, TTG's Realty Agent will provide progress information on the WVDEP/AMLNET system as required. The Realty Agent will communicate with WVDEP's Real Estate Representative as to progress of landowner negotiations, landowner questions to be addressed, and status of landowner agreements. If a landowner requests to be an additional insurer, the landowners making the request will be added as an additional insurer. TTG's Realty Agent that conducted landowner negotiations and acquired the rights of entry will attend the pre-bid and pre-construction meetings to address any realty related issues. Consideration will be given to the fact that ownership can also change during the period between a pre-bid and pre-construction and would require new CROE agreement(s). CROE Realty packets will be updated to make sure that no property has changed ownership prior to the actual Pre- Construction meeting and if so, new agreements will be obtained. Pre-Construction photos of the site(s) will be taken and uploaded into AMLNET along with the EROE and CROE Realty packets. It is assumed that TTG's personnel will have access to AMLNET. If there is a dispute or question as to boundary lines, an attempt will be made to sign up

#### 2023 AML S4 CONTRACT

# CADBURY LAND DRAINAGE AND HIGHWALL KANAWHA COUNTY, WEST VIRGINIA

both sides/owners in efforts to avoid a boundary survey. Boundary Surveys conducted by a WV licensed Land Surveyor or title opinions to be completed by an attorney in efforts to resolve boundary disputes and ownership will be discussed with DEP Engineers and Realty before taking any action.

## TASK II-A: EXPLORATORY RIGHT OF ENTRY (EROE)

This task includes all work conducted during EROE negotiations as detailed above.

## TASK II-B: CONSTRUCTION RIGHT OF ENTRY (CROE)

This task includes all work conducted during CROE negotiations as detailed above.

#### TASK II-C: PRE-BID MEETING NOTICE

TTG will notify all property owners of the upcoming pre-bid meeting. Realty agent or representative will attend pre-bid meeting.

## TASK II-D: PRE-CONSTRUCTION CONFERENCE NOTICE

TTG will notify all property owners of the upcoming pre-construction meeting. Realty agent or representative will attend pre-construction conference.

#### TASK III: DESIGN

## TASK III-A: SITE RECONNAISSANCE AND INVESTIGATIONS

This task includes the initial site visit and all work conducted in preparing this scope of services.

#### TASK III-B: SURVEY AND MAPPING

TTG will deploy a 2-man survey crew to the site to survey the project area. This survey will include,

- Survey crew will set a minimum of three (3) control points at the project site.
- Start of access road and centerline of access road through the project site.
- Centerline of existing channel through the project site.
- Observed existing structures such as, but not limited to, access road, utilities, driveways, edge of asphalt, and/or structures.
- Proposed borehole locations.
- Topography of area for drainage.
- Should property corners be observed during the survey activity, those corners will be incorporated into the survey as a data point.

TTG will deploy a 1-man drone survey crew to collect topography of the refuse pile area for grading and channel design.

#### 2023 AML S4 CONTRACT

# CADBURY LAND DRAINAGE AND HIGHWALL KANAWHA COUNTY, WEST VIRGINIA

#### TASK III-C: GEOTECHNICAL INVESTIGATION

Geotechnical investigation will be necessary for this project site.

#### a) Highwall Reclamation

A highwall has been identified at the project site. Exploratory drilling is required to determine the extents and depth of the proposed borrow area. This information will aid in determining the condition of the existing fill material around the base of the highwall. This proposal includes,

- Forty-nine (49) bore holes located throughout the approximate area of the proposed borrow area.
- A total of one thousand two hundred twenty-five (1,225) ft. of soil drilling. Rock coring is not included.

Standard penetration testing and sampling will be performed in each boring at 2.5 ft. intervals to a depth of 20 feet and then 5 feet intervals to refusal in bedrock or as directed. All boreholes will be backfilled with auger cuttings upon completion. All samples will be analyzed, and findings will be included in the Geotechnical report.

Areas disturbed during geotechnical investigation will be seeded and mulched upon completion of the investigation. Access roads and/or drill pads will be regraded to approximate existing grade.

## b) Geotechnical Analysis and Recommendations

Laboratory testing will be performed on select samples from the highwall areas to aid in classifying the soil and determine their engineering properties. Planned lab testing includes moisture content, Atterberg liquid and plastic limits, and standard Proctor testing.

A final report will be prepared upon completion of the field, lab and engineering work including digital logs of the borings, results of the subsurface investigation in the highwall area, field observations, and topographic mapping used to analyze the site conditions, and recommendations for backfilling to reclaim the existing highwall.

#### TASK III-D: ANALYSIS AND DESIGN

After the surveying is complete, TTG will develop a conceptual plan. A meeting will be held with WVDEP onsite to review the design. If the design approach is agreed upon, TTG will proceed to final engineering design and development of construction drawings.

# TASK III-E: PREPARATION OF PLANS, SPECIFICATIONS, AND ENGINEERS ESTIMATE

TTG will develop the preliminary design package and incorporate the applicable concept and ideas discussed during the conceptual design meeting. Deliverables will include engineering plans, specifications, and estimates. A detailed Engineer's Construction Cost Estimate (ECCE), Engineer's Construction Time Estimate (ECTE), and bid sheet will be developed. The preliminary design will be forwarded to the WVDEP for review and comments. After

#### 2023 AML S4 CONTRACT

# CADBURY LAND DRAINAGE AND HIGHWALL KANAWHA COUNTY, WEST VIRGINIA

addressing these comments, TTG will submit the final design package and update the ECCE, ECTE, and bid sheet, if necessary.

This proposal includes a maximum of four (4) review sessions by the WVDEP. The reviews will occur at the following milestones: 30% design, 60% design, 80% design, and 100% design. Plans, design report, specifications, bid sheet, construction cost estimate, and construction time estimate will be submitted to the WVDEP electronically for each review milestone.

The follow is an anticipated project schedule based on the assumption of receiving a Purchase Order by July 1, 2023

Guyan River Refuse	Estimated Date Rang	ge
NEPA and ESA	8/7/2024	8/20/2024
Realty	7/02/2024	7/03/2024
Survey and Geotech	7/08/2024	7/29/2024
Design	8/05/2024	9/02/2024
Pre-bid Meeting	3/31/2025	

This schedule does not include estimated dates for approved permits and/or time required to prepare and assign a pre-bid date for the project.

#### TASK III-F: PERMITTING

TTG will prepare and submit a Construction National Pollutant Discharge Elimination System Storm Water permit (NPDES). If necessary, TTG will address comments from the WVDEP associated with the application.

TTG will submit the required USACE permit for this project. If necessary, TTG will address comments from the USACE associated with the application.

TTG anticipates a WVDOH MM-109 permit will not be required for this project.

TTG does not anticipate additional permits for the project will be required. Should unforeseen conditions be discovered that requires a permit, TTG will notify the WVDEP prior to proceeding with permit application preparation. TTG anticipates WVDEP will consult other agencies, if required.

#### TASK III-G: PRE-BID CONFERENCE

TTG will work with the WVDEP to prepare, schedule, and conduct the pre-bid meeting.

- Work with the WVDEP to establish a pre-bid date.
- b. Provide pre-bid documents such as plans, specifications, and sign in sheet.
- c. Attend and conduct the pre-bid meeting onsite.
- d. Assist WVDEP with addendums, as needed.

#### 2023 AML S4 CONTRACT

# CADBURY LAND DRAINAGE AND HIGHWALL KANAWHA COUNTY, WEST VIRGINIA

#### TASK III-H: PRE-CONSTRUCTION CONFERENCE

TTG will work with the WVDEP to prepare, schedule, and conduct the preconstruction meeting.

- a. Provide preconstruction documents such as plans, specifications, sign in sheet, and other required documents.
- b. Attend one (1) pre-construction conference onsite.

#### **TASK IV - CONSTRUCTION OVERSIGHT**

TTG will provide construction oversite for this project. This includes a Resident Project Representative (RPR) who will be on-site daily to observe construction activities. For this proposal, construction time is assumed to be eight (8) hours per day, five (5) days per week for forty (40) weeks. Mileage is assumed to be from Beaver, WV and a per diem of \$50.00. One site visit for the project manager/designer during construction to ensure the contractor is adhering to approved plans and specifications. TTG will conduct inspection reports and input the information into AMLNET. At the conclusion of construction, TTG will certify the project was built in accordance with the plans and specifications.

TTG will conduct wage rate interviews and ensure certified payrolls are submitted with payment applications in compliance with the Davis-Bacon Act.

#### TASK V - POST-CONSTRUCTION OVERSIGHT

A TTG engineer will review the as-built plans provided by the contractor following construction, the construction oversight documentation and provide an as-built certification that project was completed according to plans, and/or with allowable exceptions.

TTG will provide a Resident Project Representative to monitor/inspect and document site conditions post-construction to verify project aspects are stable, operating as per the plans, and established.

- TTG has included three (3) site visits for post-construction oversight in this proposal.
- Should additional site visits be required or requested, those additional site visits can be included through change order.

Task V includes one (1) site visit for the project manager during final inspection.

#### SECTION 3 COST ESTIMATE

TTG will complete this project on a time and materials basis not to exceed the estimated costs provided in the Cost Summary without prior WVDEP approval. TTG will only invoice for time and expenses incurred.

Please note that the per diem rates provided in the proposal are a projection based on the Federal Per Diem Rates for the current year and project location. The calculated per diem costs included in this proposal are based on the anticipated number of days that will be required for site visits prior to construction, onsite RPR during construction, and site visits post construction. Per diem rates will be

#### 2023 AML S4 CONTRACT

# CADBURY LAND DRAINAGE AND HIGHWALL KANAWHA COUNTY, WEST VIRGINIA

used for required single day trips and days that will require lodging near the project site. The Per Diem rates are as follows:

- Per Diem (meal only; no lodging required) \$50.00 per day.
- Per Diem w/ Lodging (meal & lodging) \$175 per day.
- Mileage \$0.70 per mile.

It is understood that TTG will ensure that all subcontractors are fully insured and have worker's compensation coverage. If you have any additional questions or need additional information, please let me know.

## **COST PROPOSAL** 2023 AML S4 CONTRACT CADBURY LAND DRAINAGE AND HIGHWALL KANAWHA COUNTY, WEST VIRGINIA

**SECTION 4 COST SUMMARY** 

		APPLICATION A	OONED MINE LAN	DS AND RECLAMATION ATE FOR PAYMENT		
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2	EPAM23052	Branchland (Crum) Drainage	\$307,581.50	DATES OF SERVICE:	FROM	ТО
3	EPAM23057	Branchland Portals - Route 10		7.15		
4	EPAM23056	Branchland Portals	\$111,942.00	DATE OF APPLICATION FOR PYM	IT:	v
5	EPAM23069	Middle Fork (Adkins) Portals	\$143,063.00			
6	EPAM23070	Cadbury Land Drainage and Highwall	\$145,982.00			
7	EPAM16034	Belcher Hollow Auger Holes	\$642,266.00			
- 8	EPAM23058	Guyan River Refuse	\$596,485.00			
9	EPAM23059	Branchland - Hubball A	\$292,103.00			
10	EPAM23071	Harmonds Creek Portals Phase II	\$156,924.00			
11	EPAM23080	West Columbia - B Phase II	\$448,932.00	ORIGINAL CONTRACT SUM		
12	EPAM23076	Lanham (Workman) Portals	\$287,268.00	NET CHANGE BY CHANGE ORDER	RS e	\$0.
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AML REP	RESENTATIVE				Brian Knight	

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11											
ASK I:	NEPA & ESA								\$0.00	0.0	\$0.00
ATT	Agency Coordinations (including Office Work, AMLNET, etc.)	HR	16	\$185,00	\$2,960,00		\$0.00		\$0.00	0.0	\$0.00
1	Project Manager / Senior Engineer	_	20	\$120.00	\$2,400,00		\$0.00	-	\$0.00	0,0	\$0.00
2	Engineer / Technical Scientist	HR	20	\$90,00	\$1,800.00		\$0.00		\$0.00	0.0	\$0.00
3	Environmental Technician II	HR		\$110,00	\$1,320.00		\$0.00			0.0	\$0.00
4	Planning / Technical Specialist	HR	12	\$50.00	\$0.00		\$0.00		\$0.00	0.0	
5	Per Diem	Day	U	350.00							
+			. Marinen	1- Wahaita ata)						0.0	\$0.00
В	Public Involvement (including Legal Ads, Public Hearings, Docu	iments, Pre	sentations, WVDEF	\$185.00	\$1,480.00		\$0.00		\$0.00	0.0	\$0.00
11	Project Manager / Senior Engineer	FIR		\$120.00	\$0.00		\$0.00		\$0.00	0.0	\$0.00
2	Engineer / Technical Scientist	HR	0	\$90,00	\$0.00		\$0.00		\$0.00	0.0	\$0.00
3	Planning / Technical Specialist	HR	0	\$110.00	\$0.00		\$0.00		\$0.00	0.0	\$0.00
4	Mileage	Mile	0		\$0.00		\$0.00		\$0.00	0.0	30,00
15	Per Diem	Day	0	\$50,00	30.00					-	
-				10 734 -1 1/5/4-2-1	- Delinistion & Report						\$0.00
c	Studies, Surveys & Mitigation Plans (as applicable) [Bat Habita	te Survey,	Water Sampling (1 r	ound), Wetland/Stream	es 550.00		\$0.00		\$0.00	0.0	\$0.00
	Project Manager / Senior Engineer	HR	-		\$7,440.00		\$0.00		\$0.00	0,0	30.00
2	Engineer / Technical Scientist	HR	62	\$120.00	\$3,780.00					1	\$0.00
3	Environmental Technician II	HR	42	\$90.00	\$1,760.00		\$0.00		\$0.00	0.0	\$0.00
-	Planning / Technical Specialist	HR	16	\$110.00	\$385.00		\$0.00		\$0.00	0.0	\$0,00
4	Mileage	Mile	550	\$0.70	\$100.00		\$0.00		\$0.00	0,0	30,00
1	Per Diem	Day	2	\$50.00	\$100.00						
1	A V										\$0.00
C	CATEX / EA / FONSI / EIS				\$2,960.00		\$0.00		\$0.00	0.0	
١,	Project Manager / Senior Engineer	HR	16	\$185.00			\$0.00		\$0.00	0.0	\$0.00
1	1 I Colombia	HR	20	\$120.00	\$2,400.00	1	\$0.00		\$0.00	0.0	\$0.00
2	Environmental Technician II	HR	20	\$90.00	\$1,800.00		\$0.00		\$0.00	0.0	\$0.00
3	Planning / Technical Specialist	HR	8	\$110.00	\$880.00	-	\$0,00		\$0.00	0.0	\$0.00
1	<del></del>	Day	0	\$50.00	\$0.00	+	_				
5	Per Diem			SUBTOTAL PAGE 2 COST	\$37,015.00	SUBTOTAL PAGE 2 PREVIOUS	\$0.00	SUBTOTAL PAGE 2 THIS APPLICATION		SUBTOTAL PAGE 2 TO DATE	\$0.00

ontro	e Order No.: CPO DEPXX*XX		ONTENDAL	TON SHEET	OF APPLICATI	ON AND CERT	ABANDONED MINE LA	YMENT				
	t Name: 2023 AML Contract S(4) dity Line: 1					Application No.: 1					Page 3 of 6 Pages	
roject N										1 mgc	5 of o Pages	
	- Continue (Diamenship) Drainage							Wony				
	SCHEDUI	LE PER CONT	RACT						COMPLETED			
TASK	DESCRIPTION	UNIT	CONTRACT		ID	PREVIOUS	PREVIOUS BILLED	EVIOUS BILLED THIS APPLICATION	ON APPLICATION	TOTAL BI	LLED TO DATE	
			QUANTITY	PRICE	COST	UNITS	COST	UNITS	COST	UNITS		
ASK II	: REALTY									UNITS	COST	
TT	Exploratory Rights of Entry (EROE)											
1	Project Manager / Senior Engineer	_										
2	Realty Agent	HR	10	\$190.00	\$1,900.00		\$0,00	-				
					\$0,00		40.00		\$0.00	0.0	\$0,00	
1 1	Field Reconnaisance / Landowner Correspondence	HIR	20	\$175.00	\$3,500.00		\$0.00					
		HR	20	\$175.00	\$3,500.00		\$0.00		\$0.00	0.0	\$0,00	
3	Mileage	HR	4	\$175.00	\$700.00		\$0.00		\$0.00	0,0	\$0.00	
4	Per Diem	Mile	470	\$0,70	\$329,00		\$0.00		\$0.00	0.0	\$0,00	
++	TO DICIN	Day	1	\$50,00	\$50.00		\$0.00		\$0.00	0.0	\$0.00	
+	Construction Rights of Entry (CROE)						\$0.00		\$0.00	0.0	\$0.00	
1												
2	Project Manager / Senior Engineer	HR	10	\$190.00	\$1,900.00							
-	Realty Agent				41,700.00		\$0.00		\$0.00	0.0	\$0.00	
a	T MINGES WOLK	HR	4	\$175,00	\$700,00	_					\$0.00	
Ь	Field Reconnaisance / Landowner Correspondence	HR	10	\$175.00	\$1,750.00		\$0.00		\$0.00	0.0	\$0.00	
	Office Work / AMLNET	HR	2	\$175.00	\$350,00	-	\$0.00		\$0.00	0.0	\$0.00	
3	Mileage	Mile	470	\$0.70	\$329.00		\$0.00		\$0.00	0.0		
4	Per Diem	Day	1	\$50,00			\$0.00		\$0.00	0.0	\$0.00	
-				\$50.00	\$50.00		\$0.00		\$0,00	0.0	\$0,00	
	Pre-Bid Conference			<del>                                     </del>						0.0	\$0,00	
1	Realty Agent	HR	8	0177.00								
2	Mileage	Mile	230	\$175.00	\$1,400.00		\$0,00		\$0.00	00		
		TATILE	230	\$0.70	\$161.00		\$0.00		\$0.00	0.0	\$0.00	
	Pre-Construction Conference								30,00	0.0	\$0.00	
1	Realty Agent	HR	8									
2	Mileage	Mile	230	\$175.00	\$1,400.00		\$0.00		\$0.00			
		TAYLLE	230	\$0.70	\$161.00		\$0.00		\$0.00	0,0	\$0.00	
									\$0.00	0.0	\$0.00	
-7A (Re	evised 7/5/2023)			SUBTOTAL, PAGE 3 COST	\$18,180.00	SUBTOTAL PAGE 3 PREVIOUS	\$0.00	SUBTOTAL PAGE 3 THIS APPLICATION	\$0.00	SUBTOTAL PAGE 3 TO DATE	\$0.00	

10	Geotechnical Investigation Report	LS Mile	200	\$0.70	\$140.00		\$0.00		\$0.00	0.0	\$0.00
9	Reclamation	LS	1	\$0.00	\$0.00		\$0.00		\$0.00	0.0	\$0.00
8	Drill Crew Per Diem	Day	6	\$3,000.00	\$3,000.00		\$0.00		\$0.00	0.0	\$0.00
7	Piezometer Installation	LF	125	\$370.00	\$2,220.00		\$0.00		\$0.00	0.0	\$0.00
6	Heavy Equipment	HR	-	\$25.00	\$3,125.00		\$0,00		\$0.00	0.0	\$0.00
5	Rock Coring	LF	300	\$190.00	\$5,700.00		\$0.00		\$0.00	0.0	\$0,00
4	Soil Augering		300	\$70.00	\$21,000.00		\$0.00		\$0.00	0.0	\$0.00
3	Mobilization / Demobilization	LS	60	\$32.00	\$1,920,00		\$0.00		\$0.00	0.0	\$0.00
2	Geotechnical Engineer/Geologist		8	\$3,500.00	\$3,500.00		\$0.00		\$0.00	0.0	
1	Project Manager / Senior Engineer	HR	8	\$185.00	\$1,480.00		\$0,00		\$0,00	0,0	\$0.00
C	GEOTECHNICAL INVESTIGATION	HR	12	\$210.00	\$2,520.00		\$0.00		\$0.00	0.0	\$0.00
		_	-							1 00	\$0.00
8	Per Diem	Day	-							-	
7	Mileage	Dav	1	\$50.00	\$50,00		\$0.00		\$0.00	0.0	\$0,00
6	Topographic, Planimetric and Check Surveying	Acre Mile	230	\$0.70	\$161.00		\$0.00		\$0.00	0.0	\$0.00
5	Senior Technician		0	\$0,00	\$0.00		\$0.00		\$0,00	0.0	\$0.00
4	Survey Crew	HR	0	\$110.00	\$0.00		\$0.00		\$0.00	0.0	\$0.00
3	Professional Surveyor / Chief Surveyor	HR	14	\$95,00	\$1,330.00		\$0.00		\$0.00	0.0	\$0.00
2	Staff Engineer	HR	2	\$145.00	\$290.00		\$0.00		\$0.00	0.0	\$0.00
1	Project Manager / Senior Engineer	HR	8	\$115.00	\$920.00		\$0.00		\$0.00	0.0	\$0.00
	SURVEYING & MAPPING	HR	8	\$190.00	\$1,520.00		\$0.00		\$0.00		\$0.00
	a not particularly	_							#0.00	0.0	\$0.00
4	Per Diem	Day									
3	Mileage	Day	1	\$50.00	\$50.00		\$0,00		\$0.00	0.0	\$0,00
2	Project Manager	Mile	470	\$0.70	\$329,00		\$0.00		\$0.00		\$0.00
1	Senior Project Manager	HR	25	\$190 00	\$4,750.00		\$0.00		\$0.00	0.0	\$0.00
$\Box$	SITE RECONNAISSANCE AND INVESTIGATIONS	HR	4	\$275,00	\$1,100.00		\$0,00		\$0.00	0,0	\$0.00
SK II	II: DESIGN			1					00.00	0.0	\$0.00
TASK	DESCRIPTION	Ordi	QUANTITY	PRICE							
_		UNIT	CONTRACT	UNIT BID	UNIT BID PRICE	UNITS	COST	UNITS	COST	UNITS	COST
	SCHEDULE	PER CONTR	RACT			PREVIOUS	PREVIOUS BILLED	APPLICATION	APPLICATION		
ject N	A CONTRACTOR OF THE PROPERTY O							THIS	AMOUNT DUE THIS	TOTAL BILLE	D TO DATE
	lity Line: 1							WORK	COMPLETED		
	Order No.: CPO DEPxx*xx Name: 2023 AML Contract S(4)										
	O. L. N CPO DEPayary							Application No.:	1		
							IFICATE FOR PAY			Page 4 of	

AML-7A (Revised 7/5/2023)

	se Order No.: CPO DE			ONTINUAL	TON SHEET	OF APPLICATI	ON AND CERT	ABANDONED MINE LA	YMENT			
	ct Name: 2023 AM	L Contract S(4)						1 1000	5 of CP			
	odity Line; 1 Name: Branchla						Application No.: 1 Page 5 of 6 Page 5					
ojeci	Name: Branchia	nd (Blankenship) Drainage								COMPLETED		
		SCHE	DULE PER CONTI	RACT								
TASI	K			CONTRACT	UNIT BID		PREVIOUS	PREVIOUS BILLED	THIS APPLICATION	AMOUNT DUE THIS APPLICATION	TOTAL BILLED TO DATE	
			UNIT	QUANTITY	PRICE	COST	UNITS	COST	UNITS	COST	UNITS	
SKI	III: DESIGN (CONTINU	EDV									UNIIS	COST
$\Box$	ANALYSIS AND DE											
11	Senior Project Manage											
2	Project Manager	71	HR	2	\$210,00	\$420.00		\$0.00	-			
3	Enviornmental Special	int	HR	30	\$190.00	\$5,700.00		\$0.00		\$0.00	0.0	\$0.00
4	Staff Engineer	191	HR	0	\$120.00	\$0.00		\$0.00		\$0.00	0.0	\$0.00
5	CADD Technician		HR	20	\$115.00	\$2,300.00		\$0.00		\$0.00	0.0	\$0.00
H	CADD Technician		HR	14	\$115.00	\$1,610,00		\$0.00		\$0.00	0.0	\$0.00
Н	DD ED A D . D .					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		\$0.00		\$0.00	0.0	\$0.00
H	PREPARATION OF	PLANS, SPECIFICATIONS	AND ENGINEERS	ESTIMATE								
1	Senior Project Manage		HR	4	\$210,00	\$840,00						
2	Project Manager		HR	50	\$190,00	\$9,500.00		\$0.00		\$0.00	0.0	\$0.00
3	Enviornmental Speciali	st	HR	0	\$120,00	\$0.00	+	\$0.00		\$0.00	0,0	\$0.00
4	Staff Engineer		HR	60	\$115,00	\$6,900.00		\$0.00		\$0.00	0,0	\$0.00
5	CADD Technician		HR	80	\$115,00			\$0.00		\$0.00	0.0	\$0.00
					3113,00	\$9,200.00		\$0.00		\$0.00	0,0	
	PERMITTING [NPD	ES, MM-109]										\$0,00
1	Project Manager / Seni	or Engineer	HR	4	\$190.00							
2	Staff Engineer		HR	20	\$190.00	\$760,00		\$0,00		\$0.00	0,0	
3	Mileage		Mile	0		\$2,300.00		\$0.00		\$0.00	0.0	\$0.00
4	CADD Technician		HR	8	\$0.70	\$0,00		\$0,00		\$0,00	0.0	\$0.00
			TIK .		\$115.00	\$920.00		\$0.00		\$0.00		\$0.00
	PRE-BID CONFERE	NCE								30.00	0.0	\$0.00
1	Project Manager / Senio		7775									
2	Mileage		HR	8	\$190.00	\$1,520,00		\$0,00		FO 00		
3	Per Diem		Mile	230	\$0.70	\$161.00		\$0.00		\$0.00	0.0	\$0.00
T			Day	1	\$50.00	\$50.00		\$0.00		\$0.00	0.0	\$0,00
	PRE-CONSTRUCTIO	N CONFEDENCE								\$0.00	0.0	\$0.00
1	Project Manager / Senio											
2	Construction Inspector	· PuBmcci	HR	8	\$190.00	\$1,520.00		\$0.00				
3	Mileage		HR	8	\$116.00	\$928.00		\$0.00		\$0.00	0.0	\$0.00
+			Mile	440	\$0.70	\$308.00		\$0.00		\$0.00	0.0	\$0.00
-								90,00		\$0.00	0.0	\$0.00
7A (I	Revised 7/5/2023)				SUBTOTAL PAGE 5 COST	\$44,937.00	SUBTOTAL PAGE 5 PREVIOUS	\$0.00	SUBTOTAL PAGE 5 THIS APPLICATION	\$0.00	SUBTOTAL PAGE 5 TO DATE	\$0,00

		C	ONTINUATIO	ON SHEET OF	APPLICATION A	IND CERTI	FICATE FOR PAY	Application No.:		Page 6 o	6 Pages
chase	Order No.: CPO DEPxx*xx							Application 110			
	Name: 2023 AML Contract S(4)										
	ty Line: 1							WORK	COMPLETED		
ect N	ame: Branchland (Blankenship) Drainage							THIS	AMOUNT DUE THIS	TOTAL BILLE	D TO DATE
	SCHE	DULE PER CONTR	ACT		PREVIOUS	PREVIOUS BILLED	APPLICATION	APPLICATION	10111111		
ASK	DESCRIPTION	UNIT	CONTRACT	UNIT BID PRICE	COST	UNITS	COST	UNITS	COST	UNITS	COST
T											
K TV	: CONSTRUCTION OVERSIGHT										
	Construction Inspection						\$0,00		\$0,00	0.0	\$0.00
1	Project Manager / Senior Engineer	HR	50	\$190.00	\$9,500.00		\$0,00				
2	Construction Inspector						\$0.00		\$0.00	0.0	\$0.00
-	Construction Inspection	HR	720	\$116.00	\$83,520.00		\$0.00		\$0.00	0.0	\$0.00
_	Office Work / AMLNET	HR	45	\$116.00	\$5,220.00		\$0.00		\$0.00	0.0	\$0,00
_	c Mileage	Mile	2650	\$0.70	\$1,855,00		\$0.00		\$0.00	0.0	\$0.00
-	d Per Diem	Day	90	\$50.00	\$4,500,00		\$0.00				
+											
K V	POST-CONSTRUCTION OVERSIGHT										
T	FIELD VISITS / INSPECTIONS						\$0,00	<del>                                     </del>	\$0,00	0.0	\$0.00
1	Project Manager / Senior Engineer	HR	20	\$190.00	\$3,800.00		\$0,00		\$0.00	0.0	\$0.00
2	Construction Inspector	HR	24	\$116,00	\$2,784.00		\$0.00		\$0.00	0.0	\$0.00
3	Mileage	Mile	100	\$0.70	\$70.00		\$0,00				
$\neg$				-							
$\neg$				-				1			
			7	-							
$\Box$								-			
				SUBTOTAL PAGE 6 COST	\$111,249.00	SUBTOTAL PAGE 6 PREVIOUS	\$0.00	SUBTOTAL PAGE 6 THIS APPLICATION	\$0.00	SUBTOTAL PAGE 6 TO DATE	\$0.00
	(Revised 7/5/2023) <b>Br</b> a	anchland (Blanke	nehin) Dralnag	PROJECT TOTAL COST	\$266,536.00	PROJECT TOTAL PREVIOUS	\$0.0	PROJECT TOTAL THIS 0 APPLICATION	\$0.0	PROJECT TOTAL TO DATE	

urchase Order N	No.: CPO DEPxx*xx		CONTINUATIO	ON SHEET	OF APPLICATION	N AND CERT	ABANDONED MINE LA IFICATE FOR PAY	MENT	ATION		
Contract Name: Commodity Line: Project Name:	2023 AML Contract S(4) : N/A N/A		THE GRAND	TOTALS HERE COUL T COULD/SHOULD BE O	IV A SEPARATE	EPARATE 'SHEET' SO SHEET', AND PAGE NUM	TO CHIEF LEVE	X of X Pages ROJECT TOTAL ED AS NEEDED			
		SCHEDULE PER CONT	RACT			PREVIOUS	PREVIOUS BILLED	THIS	AMOUNT DUE THIS		
TASK	DESCRIPTION	UNIT	CONTRACT QUANTITY	UNIT BID PRICE	UNIT BID PRICE	UNITS	COST	APPLICATION UNITS	APPLICATION	TOTAL BII	LLED TO DATE
			2023 AML	GRAND		GRAND TOTAL		GRAND TOTAL			
ML-7 (Revised 7/5/	/2023)	CONTRACT NAME:	Contract S(4)		\$266,536.00			THIS APPLICATION	\$0.00	GRAND TOTAL TO DATE	\$

				ONTINUATIO	ON SHEET OF	APPLICATIO	N AND CERT	IFICATE FOR PAY	NDS & RECLAM MENT				
								Application No.: 1				Page 2 of 6 Pages	
	t Name								WORK	COMPLETED			
	Vame:							r - T					
SCHEDULE PER CONTRACT							PREVIOUS	PREVIOUS BILLED	THIS APPLICATION	AMOUNT DUE THIS APPLICATION	TOTAL BILLE	D TO DATE	
TASK		DESCRIPTION	UNIT	CONTRACT QUANTITY	UNIT BID PRICE	COST	UNITS	COST	UNITS	COST	UNITS	COST	
T													
ASK I	: NEP	A & ESA											
П	Ag	gency Coordinations (including Office Work, AMLNET, etc.)						****		\$0.00	0.0	\$0,00	
1	_	oject Manager / Senior Engineer	HR	18	\$185.00	\$3,330.00		\$0.00		\$0.00	0.0	\$0.00	
2	En	igineer / Technical Scientist	HR	19	\$120.00	\$2,280,00		\$0.00		\$0,00	0.0	\$0.00	
3	_	vironmental Technician II	HR	19	\$90,00	\$1,710.00		\$0.00		\$0.00	0.0	\$0.00	
4	Pla	anning / Technical Specialist	HR	12	\$110,00	\$1,320.00		\$0.00		\$0.00	0.0	\$0,00	
5	_	r Diem	Day	0	\$50.00	\$0.00	1	\$0.00		φυ,υυ	0,0		
$\top$													
3	Pu	iblic Involvement (including Legal Ads, Public Hearings, Docu	ments, Pre	sentations, WVDEP's	Website, etc.)		1			\$0.00	0.0	\$0.00	
1	_	oject Manages / Senior Engineer	HR	10	\$185 00	\$1,850.00		\$0.00		\$0.00	0.0	\$0,00	
2	Er	ngineer / Technical Scientist	HR	0	\$120.00	\$0.00		\$0.00		\$0.00	0.0	\$0,00	
3	Er	nvironmental Technician II	HR	. 0	\$90.00	\$0.00		\$0.00	-	\$0.00	0.0	\$0.00	
4	Pl	anning / Technical Specialist	HR	0	\$110.00	\$0.00		\$0.00		\$0.00	0.0	\$0.00	
5	_	er Diem	Day	0	\$50,00	\$0.00		\$0,00		30.00	0.0		
									-				
	St	tudies, Surveys & Mitigation Plans (as applicable) [Bat Habitat	e Survey.	Water Sampling (1 re	und)]					\$0,00	0,0	\$0.00	
1		roject Manager / Senior Engineer	HR	30	\$185.00	\$5,550.00		\$0.00	<b>_</b>	\$0,00	0,0	\$0,00	
2	_	ngineer / Technical Scientist	HR	43	\$120.00	\$5,160.00		\$0.00		\$0.00	0.0	\$0.00	
3	E	nvironmental Technician II	HR	43	\$90.00	\$3,870.00		\$0.00		30,00	0.0	00.00	
4	PI	lanning / Technical Specialist	HR	14	\$110.00	\$1,540.00				60.00	0.0	\$0.00	
5	-	fileage	Mile	550	\$0.70	\$385.00		\$0.00		\$0.00	0.0	\$0.00	
6	-	er Diem	Day	-5	\$50.00	\$250,00		\$0.00	-	\$0,00	0.0	30,00	
Ť													
c	C	ATEX / EA / FONSI / EIS							1	00.00	0.0	\$0.00	
1	-	roject Manager / Senior Engineer	HR	20	\$185.00	\$3,700.00		\$0,00	-	\$0.00	0.0	\$0.00	
2	_	Ingineer / Technical Scientist	HR	20	\$120,00	\$2,400.00		\$0,00		\$0.00	0.0	\$0.00	
3	_	Invironmental Technician II	HR	20	\$90.00	\$1,800.00		\$0.00	-	\$0.00	0.0	\$0.00	
4	_	lanning / Technical Specialist	HR	8	\$110.00	\$880.00		\$0.00		\$0.00	0.0	\$0.00	
5	-	der Diem	Day	0	\$50.00	\$0.00		\$0.00		\$0.00	0.0	30,00	
	ď	0. 270.0			SUBTOTAL PAGE 2 COST	\$36,025,00	SUBTOTAL PAGE 2	\$0.00	SUBTOTAL PAGE 2 THIS APPLICATION	\$0.00	SUBTOTAL PAGE 2 TO DATE	\$0.00	

44 C1441	se Order No.: CPO DEPxx*xx			ION SHEET	JF AFFLICATE	ON AND CERT	IFICATE FOR PA				
	ect Name: 2023 AML Contract S(4)							Application No.:	1	Page	3 of 6 Pages
	odity Line: 2					-					
roject	Name: Branchland (Crum) Drainage							WODE	COMPLETED		
	SCHEDUL	E PER CONT	RACT					THIS			
						PREVIOUS	PREVIOUS BILLED	APPLICATION	AMOUNT DUE THIS APPLICATION	TOTAL BI	LLED TO DATE
TASI	K DESCRIPTION	UNIT	CONTRACT QUANTITY	UNIT BID PRICE	COST	UNITS	COST	UNITS	COST	UNITS	COST
ASKI	II: REALTY										
AIT	Exploratory Rights of Entry (EROE)										
11	Project Manager / Senior Engineer	-								-	
2		HR	10	\$190.00	\$1,900.00		\$0.00		\$0.00	0.0	<b>\$0.00</b>
+	a Courthouse Work				\$0.00				44.44	0.0	\$0,00
+	b Field Reconnaisance / Landowner Correspondence	HR	6	\$175.00	\$1,050.00		\$0.00		\$0.00	0.0	00.55
+	c Office Work / AMLNET	HR	10	\$175.00	\$1,750.00		\$0.00		\$0.00		\$0.00
3	Mileage	HR	4	\$175.00	\$700,00		\$0.00		\$0.00	0.0	\$0.00
4	Per Diem	Mile	470	\$0.70	\$329.00		\$0.00		\$0.00		\$0.00
+ 1	Fet Diem	Day	1	\$50.00	\$50,00		\$0.00		\$0,00	0.0	\$0.00
1	Contaction N' 1 cm - cm - cm								\$0,00	0.0	\$0,00
	Construction Rights of Entry (CROE)										
2	Project Manager / Senior Engineer	HR	10	\$190.00	\$1,900.00		\$0,00		50.00		
$\rightarrow$	Realty Agent								\$0.00	0.0	\$0.00
	a Courthouse Work	HR	4	\$175.00	\$700,00		\$0,00		#0.00		
	b Field Reconnaisance / Landowner Correspondence	HR	10	\$175.00	\$1,750.00		\$0.00		\$0.00	0.0	\$0.00
	c Office Work / AMLNET	HR	2	\$175.00	\$350,00		\$0.00		\$0.00	0.0	\$0.00
3 4	Mileage	Mile	470	\$0.70	\$329,00		\$0.00		\$0.00	0.0	\$0.00
4	Per Diem	Day	1	\$50,00	\$50.00		\$0.00		\$0.00	0.0	\$0.00
+							ψ0,00		\$0.00	0.0	\$0.00
$\mathbb{H}$	Pre-Bid Conference										
11	Realty Agent	HR	8	\$175.00	\$1,400.00		\$0,00		40.00		
2	Mileage	Mile	230	\$0.70	\$161.00		\$0.00		\$0.00	0.0	\$0.00
+							30,00		\$0.00	0.0	\$0.00
11	Pre-Construction Conference										
1	Realty Agent	HR	8	\$175.00	\$1,400.00		\$0.00				
2	Mileage	Mile	230	\$0.70	\$161.00		\$0,00		\$0,00	0.0	\$0.00
++						+	\$0.00		\$0,00	0.0	\$0.00
II -74 (	(Revised 7/5/2023)			SUBTOTAL PAGE 3 COST	\$13,980.00	SUBTOTAL PAGE 3	\$0,00	SUBTOTAL PAGE 3 THIS	\$0.00	SUBTOTAL	\$0,00

_	_	44 FV3 T	C	ONTINUATIO	ON SHEET O	F APPLICATION	AND CERT	BANDONED MINE LA IFICATE FOR PAY	MENT			
h.e.e	. 0	rder No.: CPO DEPxx*xx		011111101111					Application No.:	1	Page 4 of	6 Pages
ntrac												
		Line: 2							WORK	COMPLETED		
oject i	Nan	ne: Branchland (Crum) Drainage					_		THIS	AMOUNT DUE THIS		
		SCHEDULE P	ER CONTE	ACT			PREVIOUS	PREVIOUS BILLED	APPLICATION	APPLICATION	TOTAL BILLE	
TASK		DESCRIPTION	UNIT	CONTRACT QUANTITY	UNIT BID PRICE	UNIT BID PRICE	UNITS	COST	UNITS	COST	UNITS	COST
П												
ASK I	11:	DESIGN					-					
П		SITE RECONNAISSANCE AND INVESTIGATIONS						\$0.00		\$0,00	0.0	\$0.00
1		Project Manager / Senior Engineer	HR	4	\$275.00	\$1,100.00	-	\$0.00	-	\$0,00	0,0	\$0.00
2		Staff Engineer	HR	18	\$190.00	\$3,420.00	-	\$0.00		\$0.00	0.0	\$0.00
3		Mileage	Mile	230	\$0.70	\$161.00	-	\$0.00		\$0.00	0,0	\$0.00
4		Per Diem	Day	1	\$50.00	\$50.00	ļ	\$0.00		ψ0.00		
							-					
3		SURVEYING & MAPPING						\$0,00		\$0.00	0.0	\$0.00
1		Project Manager / Senior Engineer	HR	8	\$190,00	\$1,520.00		\$0.00	-	\$0.00	0.0	\$0.00
2		Staff Engineer	HR	0	\$115.00	\$0,00		\$0.00		\$0.00	0.0	\$0.00
3		Professional Surveyor / Chief Surveyor	HR	2	\$145.00	\$290.00		\$0.00		\$0.00	0,0	\$0,00
4		Survey Crew	HR	12	\$95,00	\$1,140.00		\$0,00		\$0.00	0,0	\$0,00
5	П	Senior Technician	HR	0	\$110.00	\$0.00		\$0.00		\$0.00	0,0	\$0,00
6		Topographic, Planimetric and Check Surveying	Acre	0	\$0.00	\$0.00		\$0.00		\$0.00	0.0	\$0.00
7		Mileage	Mile	470	\$0.70	\$329.00		\$0.00		\$0.00	0.0	\$0.00
8	П	Per Diem	Day	1	\$50.00	\$50.00		30.00	1	\$0,00		
					L				1			
С		GEOTECHNICAL INVESTIGATION					-	\$0.00	1	\$0,00	0.0	\$0,00
1.		Project Manager / Senior Engineer	HR	32	\$210.00	\$6,720.00	-		-	\$0,00	0.0	\$0.00
2		Geotechnical Engineer/Geologist	HR	20	\$185.00	\$3,700.00	+	\$0.00		\$0,00	0.0	\$0,00
3		Mobilization / Demobilization	LS	11	\$3,500.00	\$3,500.00	-	\$0.00		\$0.00	0.0	\$0.00
4		Soil Augering	LF	240	\$32.00	\$7,680.00			-	\$0.00	0.0	\$0.00
5	Г	Rock Coring	LF	720	\$70.00	\$50,400.00		\$0.00	1	\$0.00	0.0	\$0,00
6	T	Heavy Equipment	HR	60	\$190.00	\$11,400.00	-	\$0.00	+	\$0.00	0.0	\$0.00
7		Piezometer Installation	LF	340	\$25.00	\$8,500,00	+	\$0,00		\$0.00	0.0	\$0.00
8		Drill Crew Per Diem	Day	14	\$370.00	\$5,180.00	-	\$0.00	-	\$0.00	0,0	\$0.00
9		Reclamation	LS	1	\$8,000.00	\$8,000,00				\$0.00	0.0	\$0.00
10	1	Geotechnical Investigation Report	LS	0	\$0.00	\$0.00	-	\$0.00		\$0.00	0,0	\$0.00
11	1	Mileage	Mile	200	\$0.70	\$140,00		\$0.00	-	\$0.00	0,0	\$0.00
12		Per Diem	Day	0	\$50.00	\$0.00	-	\$0.00				
					SUBTOTAL PAGE 4 COST	\$113,280.00	SUBTOTAL PAGE 4 PREVIOUS	\$0.00	SUBTOTAL PAGE 4 THIS APPLICATION	\$0.00	SUBTOTAL PAGE 4 TO DATE	\$0.00

	e Order No.: CPO DEPxx*xx				oz raz z zacenia	ON AND CEMI	IFICATE FOR PA				
	t Name: 2023 AML Contract S(4)							Application No.:	1	Page :	of 6 Pages
	lity Line: 2					-					
roject l	Name: Branchland (Crum) Drainage							WARK	COMPLETED		
	SCHEI	DULE PER CONTI	RACT					1			
_	10 V					PREVIOUS	PREVIOUS BILLED	THIS APPLICATION	AMOUNT DUE THIS APPLICATION	TOTAL BIL	LED TO DATE
TASK	DESCRIPTION	UNIT	CONTRACT QUANTITY	UNIT BID PRICE	COST	UNITS	COST	UNITS	COST	UNITS	COST
ACET	I. DESIGN (CONTENT OF THE PARTY									Citis	C031
NOK II	I: DESIGN (CONTINUED)										
	ANALYSIS AND DESIGN										
2	Senior Project Manager	HR	4	\$210,00	\$840.00		\$0,00		\$0.00		
+ +	Project Manager	HR	30	\$190.00	\$5,700.00		\$0.00			0.0	\$0.00
3	Enviornmental Specialist	HR	0	\$120.00	\$0,00		\$0.00		\$0.00	0.0	\$0.00
4	Staff Engineer	HR	20	\$115.00	\$2,300.00		\$0.00		\$0.00	0.0	\$0.00
5	CADD Technician	HR	20	\$115.00	\$2,300.00		\$0,00		\$0.00	0.0	\$0.00
$\vdash$							\$0.00		\$0,00	0.0	\$0.00
$\sqcup$	PREPARATION OF PLANS, SPECIFICATIONS A	ND ENGINEERS	ESTIMATE								
1	Senior Project Manager	HR	4	\$210.00	\$840.00		#n.nn				
2	Project Manager	HIR	50	\$190.00	\$9,500,00		\$0.00		\$0.00	0.0	\$0.00
3	Enviornmental Specialist	HR	0	\$120.00	\$0.00		\$0.00		\$0.00	0.0	\$0.00
4	Staff Engineer	HR	60	\$115,00	\$6,900.00		\$0.00		\$0.00	0.0	\$0.00
5	CADD Technician	HR	60	\$115.00	\$6,900.00		\$0.00		\$0.00	0.0	\$0.00
				5225.00	30,500.00		\$0.00		\$0.00	0,0	\$0.00
	PERMITTING [NPDES]					+					
1	Project Manager / Senior Engineer	HR	4	\$190,00	\$760,00	+					
2	Engineer / Environmental Scientist	HR	20	\$115.00	\$2,300.00	_	\$0.00		\$0.00	0.0	\$0.00
3	Mileage	Mile	0	\$0,70	\$0,00		\$0.00		\$0.00	0.0	\$0.00
4	CADD Technician	HR	8	\$115.00	\$920.00		\$0.00		\$0.00	0.0	\$0,00
				\$115.00	\$920.00		\$0.00		\$0.00	0.0	\$0,00
	PRE-BID CONFERENCE										
1	Project Manager / Senior Engineer	HR	8	\$190,00	61 520 00						
2	Mileage	Mile	240	\$0.70	\$1,520,00		\$0.00		\$0,00	0.0	\$0.00
3	Per Diem	Day	1	\$50.00	\$168.00		\$0.00		\$0,00	0.0	\$0,00
		Day	T	\$30,00	\$50.00		\$0.00		\$0.00	0.0	\$0,00
	PRE-CONSTRUCTION CONFERENCE	$\rightarrow$									++,+0
I	Project Manager / Senior Engineer	HR	8	#100 cc							
2	Construction Inspector	HR	8	\$190.00	\$1,520.00		\$0.00		\$0.00	0.0	\$0.00
3	Mileage	Mile		\$116.00	\$928.00		\$0.00		\$0.00	0.0	\$0.00
		Mile	240	\$0,70	\$168.00		\$0.00		\$0,00	0.0	\$0.00
										- · · ·	φυ.υ0
L-7A (F	devised 7/5/2023)			SUBTOTAL PAGE 5 COST	\$43,614.00	SUBTOTAL PAGE 5 PREVIOUS	\$0.00	SUBTOTAL PAGE 5 THIS APPLICATION	\$0.00	SUBTOTAL PAGE 5 TO DATE	\$0.00

		WEST VIRGINIA	DEPARTMENT	OF ENVIRONME	ENTAL PROTECTION	OFFICE OF A	BANDONED MINE LA	NDS & RECLAMA  MENT	ATION		
	GDA DED	C	UNTINUATI	ON SHEET O	ATTECATION	THE CENT		Application No.: 1		Page (	of 6 Pages
	e Order No.: CPO DEPxx*xx f Name: 2023 AML Contract S(4)										
Contract	lity Line: 2							9970-9-27	COMPLETED		
Project N											
,		DULE PER CONTR	ACT			PREVIOUS	PREVIOUS BILLED	THIS APPLICATION	AMOUNT DUE THIS APPLICATION	TOTAL BIL	LED TO DATE
TASK	DESCRIPTION	UNIT	CONTRACT QUANTITY	UNIT BID PRICE	COST	UNITS	COST	UNITS	COST	UNITS	COST
TASK IV	V: CONSTRUCTION OVERSIGHT										
A	Construction Inspection						****		\$0.00	0,0	\$0.00
1	Project Manager / Senior Engineer	HR	50	\$190.00	\$9,500.00		\$0.00		30.00	0,0	
2	Construction Inspector								\$0.00	0.0	\$0.00
	a Construction Inspection	HR	640	\$116.00	\$74,240.00		\$0,00		\$0.00	0.0	\$0.00
	b Office Work / AMLNET	HR	40	\$116.00	\$4,640.00		\$0.00		\$0.00	0.0	\$0.00
	c Mileage	Mile	2355	\$0.70	\$1,648.50		\$0.00		\$0,00	0.0	\$0.00
	d Per Diem	Day	80	\$50,00	\$4,000.00		\$0.00		40.00		
TASK V	: POST-CONSTRUCTION OVERSIGHT										
A	FIELD VISITS / INSPECTIONS						\$0.00		\$0,00	0,0	\$0.00
1	Project Manager / Senior Engineer	HR	20	\$190,00	\$3,800.00		\$0.00		\$0.00	0.0	\$0.00
2	Construction Inspector	HR	24	\$116,00	\$2,784.00		\$0,00		\$0,00	0.0	\$0,00
3	Mileage	Mile	100	\$0.70	\$70,00		\$0,00				
				-							
				4							
				-							
				+							
				1							
				-							
Ш				SUBTOTAL PAGE 6 COST	\$100,682.50	SUBTOTAL PAGE 6 PREVIOUS	\$0.00	SUBTOTAL PAGE 6 THIS APPLICATION	\$0.00	SUBTOTAL PAGE 6 TO DATE	\$0.00
AB41 7A	A (Revised 7/5/2023)	Branchland {	Crum) Drainag	PROJECT	\$307,581.60	PROJECT	\$0.0	PROJECT TOTAL THIS APPLICATION	\$0.00	PROJECT TOTAL TO DATE	\$0.

	THE PARK AND AND		CONTINUATI	ON SHEET	OF APPLICATIO	N AND CERT	ABANDONED MINE LA	ANDS & RECLAN	IATION		
ommodity Line:	2023 AML Contract S(4) N/A N/A					THE GRAND	TOTALS HERE COLU	Application No.: D BE MADE A S ON A SEPARATE '	EPARATE 'SHEET' SO SHEET', AND PAGE NU	Page 1 O TO SUM ALL P MBERS CORRECTI	Of X Pages ROJECT TOTA
FASK		SCHEDULE PER CONT	RACT			PREVIOUS	PREVIOUS BILLED	THIS	AMOUNT DUE THIS		D AG NEEDED
	DESCRIPTION	UNIT	UNIT CONTRACT QUANTITY	UNIT BID	UNIT BID PRICE	-		APPLICATION	APPLICATION	TOTAL BIL	LED TO DATE
			QUANTITY	PRICE	CITIT DID PRICE	UNITS	COST	UNITS	COST	UNITS	COST
1L-7 (Revised 7/5/2023)			2023 AML	GRAND		GRAND TOTAL		GRAND TOTAL			

	W E3	1 VIRGINIZ	OBSTETATION A TIME	N SHEET OF	APPLICATION	AND CERT	BANDONED MINE LAI FICATE FOR PAY			Page 2 of	6 Pages
		C	ONTINUATIO	JN SHEET OF	Attribution			Application No.: 1		Page 2 01	o rages
urchase C	Order No.: CPO DEPxx*xx										
ontract N	Name: 2023 AML Contract S(4)							WORK	COMPLETED		
ommodit									AMOUNT DUE THIS	TOTAL BILLE	D TO DATE
roject Na	me: Branchland Portals - Route 10					PREVIOUS	PREVIOUS BILLED	THIS APPLICATION	APPLICATION	TOTAL BILLE	DIODALL
	SCHEDULE	PER CONTI	RACT			1,00		AFFEICATION		* INTEREST	COST
	1		CONTRACT	UNIT BID	COST	UNITS	COST	UNITS	COST	UNITS	
TASK	DESCRIPTION	UNIT	QUANTITY	PRICE							
ASK I:	NEPA & ESA									0,0	\$0.00
A	Agency Coordinations (including Office Work, AMLNET, et	ic.)	16	\$185.00	\$2,960.00		\$0.00		\$0,00	0.0	\$0.00
1	Project Manager / Senior Engineer	HR		\$120.00	\$3,600.00		\$0.00		\$0,00	0.0	\$0.00
2	Engineer / Technical Scientist	HR	30	\$110.00	\$1,320.00		\$0.00		\$0.00		\$0,00
3	Planning / Technical Specialist	HR	12	\$0.70	\$0.00		\$0.00		\$0,00	0.0	\$0.00
4	Mileage	Mile	0	\$50.00	\$0.00		\$0.00		\$0.00	0.0	30,00
5	Per Diem	Day	0	\$50.00	90.00						
++											\$0.00
В	Public Involvement (including Legal Ads, Public Hearings, I	Documents, Pre	esentations, WVDEP	's Website, etc.)	\$1,850.00		\$0.00		\$0.00	0.0	
7 1	Project Manager / Senior Engineer	HR	10	\$105.00	\$0,00		\$0.00		\$0.00	0.0	\$0.00
12	Engineer / Technical Scientist	HR	0	\$120.00	\$0,00		\$0.00		\$0,00	0.0	\$0.00
2	Planning / Technical Specialist	HR	0	\$110.00			\$0,00		\$0,00	0,0	\$0.00
Δ	Mileage	Mile	0	\$0.70	\$0.00	-	\$0.00		\$0.00	0.0	\$0.00
	Per Diem	Day	0	\$50.00	\$0.00						
- 3						-					
	Studies, Surveys & Mitigation Plans (as applicable)[Bat Ha	bitate Survey,	Water Sampling (1 re	ound). Wetland/Stream	n Deliniation & Report]	-	\$0.00		\$0.00	0.0	\$0.00
С		HR	20	\$185.00		-	\$0.00		\$0.00	0.0	\$0.00
1	Project Manager / Senior Engineer	HR	40	\$120.00	\$4,800.00	_	\$0.00		\$0.00	0.0	\$0,00
2	Engineer / Technical Scientist	HR	4	\$110.00	\$440.00		\$0.00		\$0.00	0.0	\$0.00
3	Planning / Technical Specialist	Mile	450	\$0.70	\$315.00			+	\$0.00	0.0	\$0.00
4	Mileage	Day	2	\$50.00	\$100.00		\$0.00	+			
5	Per Diem							+			
	770707 / 770						#0.00	_	\$0,00	0,0	\$0.00
C	CATEX / EA / FONSI / EIS	HR	10	\$185.00	\$1,850.00	1	\$0.00	_	\$0.00	0.0	\$0,00
1	Project Manager / Senior Engineer	HR	16	\$120.00	\$1,920.00		\$0.00	-	\$0.00	0.0	\$0.00
2	Engineer / Technical Scientist	HR		\$110.00	\$880.00		\$0.00		\$0.00	0.0	\$0.00
3	Planning / Technical Specialist	Mile		\$0.70	\$0.00		\$0.00		\$0.00	0.0	\$0.00
4	Mileage	Day		\$50.00	\$0.00		\$0.00		ψυ.συ		
5	Per Diem	Day									
				SUBTOTAL	\$23,735.00	SUBTOTAL PAGE 2	\$0.00	SUBTOTAL PAGE 2 THIS APPLICATION	\$0.00	SUBTOTAL PAGE 2 TO DATE	\$0.00

	chase Order No.: CPO DEPxx*xx					MILL CHANGE	IFICATE FOR PA				
	ntract Name: 2023 AML Contract S(4)							Application No.:	1	Page :	of 6 Pages
	ject Name: Branchland Portals - Route 10										
3	Pranchand Torras - Route 10							WORK	COMPLETED		
	SCHED	ULE PER CONT	RACT			PREVIOUS	PREVIOUS BILLED	THIS	AMOUNT DUE THIS	TOTAL 511	
TAS	ASK DESCRIPTION	1,555	CONTRACT	UNIT BID				APPLICATION	APPLICATION	TOTAL BIL	LED TO DATE
_	DESCRIPTION	UNIT	QUANTITY	PRICE	COST	UNITS	COST	UNITS	COST	UNITS	COST
CASK	SK II: REALTY										
A	Exploratory Rights of Entry (EROE)										
1	Project Manager / Senior Engineer										
2		HR	5	\$190,00	\$950.00		\$0,00		\$0.00		
+-	2 Realty Agent a Courthouse Work				\$0.00				\$0,00	0.0	\$0.00
+		HR	1	\$175,00	\$175.00		\$0.00		\$0.00		
+	b Field Reconnaisance / Landowner Correspondence	HR	11	\$175.00	\$175,00		\$0.00			0.0	\$0.00
3	c Office Work / AMLNET	HR	2	\$175.00	\$350.00		\$0.00		\$0.00	0,0	\$0.00
4	- Indiago	Mile	460	\$0.70	\$322.00		\$0.00		\$0.00	0.0	\$0.00
14	4 Per Diem	Day	0		\$0.00		\$0.00		\$0.00	0.0	\$0,00
							\$0.00		\$0.00	0.0	\$0.00
В	Construction Rights of Entry (CROE)										
1	Project Manager / Senior Engineer	HR	5	\$190.00	\$950,00	_	90.00				
2							\$0.00		\$0.00	0.0	\$0.00
-	a Courthouse Work	HR	3	\$175.00	\$525.00						
_	b Field Reconnaisance / Landowner Correspondence	HR	0	\$175.00	\$0.00	-	\$0.00		\$0.00	0.0	\$0.00
$\perp$	c Office Work / AMLNET	HR	3.0	\$175.00	\$525.00		\$0.00		\$0.00	0.0	\$0.00
3	3 Mileage	Mile	460	\$0.70	\$322.00		\$0.00		\$0.00	0.0	\$0.00
4	4 Per Diem	Day	0	\$50,00	\$0.00		\$0.00		\$0.00	0.0	\$0.00
				7.5.00	\$0,00	+	\$0.00		\$0.00	0,0	\$0.00
	Pre-Bid Conference					+					
1	1 Realty Agent	HR	4	\$175,00	\$700,00	+					
2	2 Mileage	Mile	230	\$0,70	\$161,00	+	\$0.00		\$0.00	0.0	\$0.00
					\$101,00	-	\$0.00		\$0.00	0.0	\$0.00
	Pre-Construction Conference					+					
1	1 Realty Agent	HR	4	\$175.00	\$700.00						
2	2 Mileage	Mile	230	\$0.70	\$161.00	-	\$0.00		\$0,00	0.0	\$0.00
				Ψυ. τυ	\$101.00		\$0,00		\$0.00	0.0	\$0.00
						1					
				Styren		SUBTOTAL					
VIL-7A	7A (Revised 7/5/2023)			SUBTOTAL PAGE 3 COST	\$6,016.00	PAGE 3 PREVIOUS	\$0.00	SUBTOTAL PAGE 3 THIS APPLICATION	50,00	SUBTOTAL PAGE 3 TO DATE	\$0.00

			ONTINUATIO	ON SHEET C	OF APPLICATION	AND CERTI	FICATE FOR PAY	NDS & RECLAM MENT			
_	CDO DEDt.		OHILITOILIA	011011111				Application No.:	1	Page 4 of	6 Pages
	se Order No.: CPO DEPxx*xx  ort Name: 2023 AML Contract S(4)										
	ocity Line: 3								AALEN WEED		
	Name: Branchland Portals - Route 10								COMPLETED	1	
ojeci	SCHEDULE I	ER CONTI	<b>LACT</b>			PREVIOUS	PREVIOUS BILLED	THIS APPLICATION	AMOUNT DUE THIS APPLICATION	TOTAL BILLE	D TO DATE
TASK	K DESCRIPTION	UNIT	CONTRACT	UNIT BID PRICE	UNIT BID PRICE	UNITS	COST	UNITS	COST	UNITS	COST
T											
ASK II	III: DESIGN										
T	SITE RECONNAISSANCE AND INVESTIGATIONS							-	PO 00	0.0	\$0.00
1	Senior Project Manager	HR	4	\$275.00	\$1,100.00		\$0.00		\$0.00	0.0	\$0.00
2	Project Manager / Senior Engineer	HR	11	\$190.00	\$2,090.00		\$0.00		\$0.00	0.0	\$0.00
3	Mileage	Mile	230	\$0.70	\$161.00		\$0.00		\$0.00	0.0	\$0.00
4	Per Diem	Day	0	\$50.00	\$0.00		\$0.00		\$0.00	0.0	30,00
++											
В	SURVEYING & MAPPING								\$0.00	0.0	\$0.00
	Project Manager / Senior Engineer	HR	8	\$190.00	\$1,520,00		\$0.00			0.0	\$0.00
2	Staff Engineer	HR	0	\$115.00	\$0.00		\$0.00		\$0.00	0.0	\$0.00
3	Professional Surveyor / Chief Surveyor	HR	1.0	\$145.00	\$145.00		\$0.00		\$0.00	0.0	\$0.00
4	Survey Crew	HR	4	\$95,00	\$380,00		\$0.00		\$0.00	0.0	\$0.00
5	<del></del>	HR	0	\$110.00	\$0.00		\$0.00		\$0.00	0.0	\$0.00
6	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Acre	0	\$0.00	\$0.00		\$0,00		\$0,00	0.0	\$0.00
7	Mileage	Mile	230	\$0 70	\$161.00		\$0,00		\$0.00		\$0.00
8	Per Diem	Day	1	\$50.00	\$50.00		\$0.00	_	\$0.00	0,0	30.00
+											
	GEOTECHNICAL INVESTIGATION	No	t Required for this p	roject							
-								SUBTOTAL			
	7A (Revised 7/5/2023)			SUBTOTAL PAGE 4 COST	\$5,607.00	PAGE 4 PREVIOUS	\$0.00	PAGE 4 THIS APPLICATION	\$0.00	SUBTOTAL PAGE 4 TO DATE	\$0.00

	e Order No.: CPO DEPxx*xx						IFICATE FOR PAY				
	t Name: 2023 AML Contract S(4)							Application No.:	1	Page 5	of 6 Pages
roject	dity Line: 3 Name: Branchland Portals - Route 10										
· oject	branchianu Fortais - Route 10							WORK	COMPLETED		
	SCHE	DULE PER CONT	RACT			DREMOUR		THIS	AMOUNT DUE THIS		
TACT						PREVIOUS	PREVIOUS BILLED	APPLICATION	APPLICATION	TOTAL BIL	LED TO DATE
TASK	DESCRIPTION	UNIT	CONTRACT QUANTITY	UNIT BID PRICE	COST	UNITS	COST	Tinima.			
			QUALITY 1	FRICE				UNITS	COST	UNITS	COST
	II: DESIGN (CONTINUED)										
1	ANALYSIS AND DESIGN			1							
1	Senior Project Manager	HR	2	\$210.00	\$420,00						
2	Project Manager	HR	11	\$190.00	\$2,090.00		\$0.00		\$0,00	0.0	\$0,00
3	Enviornmental Specialist	HR	0	\$120,00	\$0.00		\$0,00		\$0.00	0.0	\$0.00
4	Staff Engineer	HR	10	\$115.00	\$1,150.00		\$0,00		\$0.00	0,0	\$0.00
5	CADD Technician	HR	10	\$115.00			\$0.00		\$0.00	0.0	\$0.00
				\$115.00	\$1,150.00		\$0.00		\$0.00	0.0	\$0.00
	PREPARATION OF PLANS, SPECIFICATIONS A	ND ENGINEERS	FSTIMATE	+							
1	Senior Project Manager	HR	1	\$210.00							
2	Project Manager	HR	30	\$190.00	\$210.00		\$0.00		\$0.00	0.0	\$0.00
3	Enviornmental Specialist	HR	0		\$5,700.00		\$0,00		\$0.00	0,0	\$0.00
4	Staff Engineer	HR	20	\$120.00	\$0.00		\$0.00		\$0.00	0.0	\$0.00
5	CADD Technician	HR		\$115.00	\$2,300.00		\$0.00		\$0,00	0.0	\$0,00
+		nk	20	\$115.00	\$2,300.00		\$0.00		\$0.00	0,0	\$0.00
$\Box$	PERMITTING [MM-109]									0,0	30.00
	Project Manager / Senior Engineer										
2	Staff Engineer	HR	2	\$190,00	\$380.00		\$0.00		\$0.00	0.0	70.00
3	Mileage	HR	6	\$115.00	\$690.00		\$0.00		\$0.00	0.0	\$0.00
4	CADD Technician	Mile	0	\$0.70	\$0.00		\$0.00		\$0.00	0.0	\$0.00
	CS 25 Technicali	HR	0	\$115.00	\$0,00		\$0.00		\$0.00	0.0	\$0,00
+	PRE-BID CONFERENCE								\$5.50	0.0	\$0.00
11	Project Manager / Senior Engineer										
2	Mileage	HR	6	\$190.00	\$1,140.00		\$0.00		\$0.00	0.0	***
3	Per Diem	Mile	230	\$0.70	\$161,00		\$0.00		\$0,00	0.0	\$0.00
1		Day	I	\$50.00	\$50.00		\$0,00		\$0.00		\$0.00
$\vdash$	PRE-CONSTRUCTION CONFERENCE								90,00	0.0	\$0.00
	Project Manager / Senior Engineer										
2	Construction Inspector	HR	6	\$190.00	\$1,140.00		\$0.00		\$0.00		
3	Mileage	HR	8	\$116.00	\$928.00		\$0.00		\$0.00	0.0	\$0.00
-	TATALONG C	Mile	230	\$0.70	\$161.00		\$0.00		\$0.00	0.0	\$0.00
									\$V.UU	0.0	\$0,00
L-7A (I	Revised 7/5/2023)			SUBTOTAL PAGE 5 COST	\$19,970.00	SUBTOTAL PAGE 5 PREVIOUS	\$0.00	SUBTOTAL PAGE 5 THIS APPLICATION	\$0.00	SUBTOTAL PAGE 5 TO DATE	\$0,00

		WEST VIRGINIA	DEPARTMENT ONTINUATION	ON SHEET OF	APPLICATION A	AND CERT	BANDONED MINE LAN	MENT			
Purchase	Order No.: CPO DEPxx*xx						A	Application No.: 1		Page 6 o	f 6 Pages
Contract	t Name: 2023 AML Contract S(4)										
	lity Line: 3							WORK	COMPLETED		
Project N		DULE PER CONTR	LACT			PREVIOUS	PREVIOUS BILLED	THIS APPLICATION	AMOUNT DUE THIS APPLICATION	TOTAL BILLE	ED TO DATE
TASK	DESCRIPTION	UNIT	CONTRACT	UNIT BID PRICE	COST	UNITS	COST	UNITS	COST	UNITS	COST
$\top$											
TASK IV	V: CONSTRUCTION OVERSIGHT										
AII	Construction Inspection								\$0.00	0.0	\$0.00
1	Project Manager / Senior Engineer	HR	30	\$190,00	\$5,700.00		\$0.00		30.00	0.0	30,00
2	Construction Inspector								\$0.00	0,0	\$0,00
	a Construction Inspection	HR	320	\$116.00	\$37,120.00		\$0.00		\$0.00	0.0	\$0,00
	b Office Work / AMLNET	HR	30	\$116.00	\$3,480.00		\$0.00		\$0.00	0.0	\$0,00
	c Mileage	Mile	3800	\$0.70	\$2,660.00		\$0.00		\$0.00	0.0	\$0,00
	d Per Diem	Day	20	\$50.00	\$1,000.00		\$0.00		30.00		
TASK V	: POST-CONSTRUCTION OVERSIGHT										
A	FIELD VISITS / INSPECTIONS				62.000.00		\$0.00		\$0,00	0.0	\$0.00
_ 1	Project Manager / Senior Engineer	HR	20	\$190.00	\$3,800,00		\$0.00		\$0.00	0.0	\$0.00
2	Construction Inspector	HR	24	\$116.00	\$2,784.00		\$0.00		\$0,00	0.0	\$0.00
3	Mileage	Mile	100	\$0.70	\$70,00		\$0,00				
				<del> </del>							
$\Box$				1							
				+							
				-							
				<b></b>							
$\vdash$				+ +							
				SUBTOTAL PAGE 6 COST	\$56,614.00	SUBTOTAL PAGE 6 PREVIOUS	\$0.00	SUBTOTAL PAGE 6 THIS APPLICATION	\$0.00	SUBTOTAL PAGE 6 TO DATE	\$0.00
A347 = -	A (Revised 7/5/2023)	Branchiand Po	ortals - Route 1	PROJECT TOTAL COST	\$111,942.00	PROJECT TOTAL PREVIOUS	\$0.00	PROJECT TOTAL THIS APPLICATION	\$0.00	PROJECT TOTAL TO DATE	\$0.

Dunchase Chatan N	CRO Par		CONTINUATI	ON SHEET	OF APPLICATION	NAND CERT	ABANDONED MINE LA	ANDS & RECLAN	IATION		
Purchase Order No.: Contract Name: Commodity Line:	2023 AML Contract S(4) N/A				THE GRAND	TOTALS HERE COUL	Application No.:	EDADATE (CITEDO) O	O MO GEN - I	of X Pages	
Project Name:	N/A					EACH PROJEC	T COULD/SHOULD BE (	MA SEPARATE	SHEET', AND PAGE NUM COMPLETED	MBERS CORRECTE	D AS NEEDED
TASK		SCHEDULE PER CONTE				PREVIOUS	PREVIOUS BILLED	THIS APPLICATION	AMOUNT DUE THIS APPLICATION	TOTAL BIL	LED TO DATE
IASK	DESCRIPTION	UNIT	CONTRACT QUANTITY	UNIT BID PRICE	UNIT BID PRICE	UNITS	COST	UNITS	COST	UNITS	COST
ML-7 (Revised 7/5/2023	3)	CONTRACT NAME:	2023 AML Contract S(4)		\$111,942.00	GRAND TOTAL PREVIOUS	\$0.00	GRAND TOTAL THIS APPLICATION	\$0.00	GRAND TOTAL TO DATE	

		U	UNTINUATI	UN SHEET OF	AFFLICATION	AND CERT	FICATE FOR PAY	A Edi No. 1		Page 2 o	f 6 Pages
rchase	Order No.: CPO DEPxx*xx							Application No.: 1		1 ngc n o	. v 2 tigov
	Name: 2023 AML Contract S(4)										
nmod	ity Line: 4					_		WORK	COMPLETED		
oject N	ame: Branchland Portals  SCHEDULE P	FR CONTE	ACT			PREVIOUS	PREVIOUS BILLED	THIS APPLICATION	AMOUNT DUE THIS APPLICATION	TOTAL BILLE	ED TO DATE
	SCREDUES	Sit Collins									COST
TASK	DESCRIPTION	UNIT	CONTRACT QUANTITY	UNIT BID PRICE	COST	UNITS	COST	UNITS	COST	UNITS	COST
П											
SK I:	NEPA & ESA										
T	Agency Coordinations (including Office Work, AMLNET, etc.)			0105 00	\$3,700.00		\$0.00		\$0.00	0.0	\$0.00
L	Project Manager / Senior Engineer	HR	20	\$185.00			\$0.00		\$0.00	0.0	\$0.00
2	Engineer / Technical Scientist	HR	22	\$120.00	\$2,640.00		\$0.00		\$0.00	0.0	\$0.00
3	Environmental Technician II	HR	22	\$90.00	\$1,980.00 \$1,540.00		\$0,00		\$0,00	0,0	\$0,00
4	Planning / Technical Specialist	Mile	14	\$110.00	\$0,00		\$0,00		\$0,00	0,0	\$0.00
5	Per Diem	Day	0	\$50.00	\$0.00		00,00				
	Public Involvement (including Legal Ads, Public Hearings, Doc		sentations, WVDEP	s Website, etc.)	P1 P50 00		\$0,00		\$0.00	0.0	\$0.00
1	Project Manager / Senior Engineer	HR	10	\$185.00	\$1,850.00		\$0.00		\$0.00	0.0	\$0.00
2	Engineer / Technical Scientist	HR	0	\$120.00	\$0.00		\$0.00	1	\$0.00	0.0	\$0.00
3	Environmental Technician II	HR	0	\$90,00	\$0,00		\$0.00		\$0.00	0.0	\$0.00
4	Planning / Technical Specialist	Mile	0	\$110 00	\$0.00		\$0.00		\$0.00	0.0	\$0.00
5	Per Diem	Day	0	\$50.00	\$0.00		30.00				
$\top$								<del>                                     </del>		· · · · · · · · · · · · · · · · · · ·	
	Studies, Surveys & Mitigation Plans (as applicable) [Bat Habita	te Survey, \	Water Sampling (1 ro	ound), Wetland/Strea	m Deliniation & Report		\$0.00		\$0.00	0.0	\$0.00
1	Project Manager / Senior Engineer	HR	26	\$185.00	\$4,810.00		\$0.00	1	\$0.00	0.0	\$0.00
2	Engineer / Technical Scientist	HR	46	\$120.00	\$5,520.00		\$0.00		\$0,00	0.0	\$0.00
3	Environmental Technician II	HR	26	\$90.00	\$2,340.00		30.00	-			
	Planning / Technical Specialist	HR	10	\$110.00	\$1,100,00		\$0.00		\$0,00	0.0	\$0.00
4	Mileage	Mile	560	\$0.70	\$392.00		\$0.00		\$0.00	0.0	\$0.00
5	Per Diem	Day	2	\$50.00	\$100.00		40.00				
				+							
D	CATEX / EA / FONSI / EIS			1 0205.00	\$1,480.00		\$0.00		\$0.00	0.0	\$0.00
1	Project Manager / Senior Engineer	HR	8	\$185.00	\$1,480.00		\$0.00		\$0.00	0.0	\$0.00
. 2	Engineer / Technical Scientist	HR	8	\$120.00	\$720.00		\$0.00		\$0.00	0.0	\$0.00
3	Environmental Technician II	HR	8	\$90.00			\$0.00		\$0.00	0.0	\$0.00
4	Planning / Technical Specialist	HR	8	\$110.00	\$880.00		\$0.00		\$0.00	0.0	\$0.00
5	Per Diem	Day	0	\$50.00	\$0.00		\$0.00	1			
				SUBTOTAL PAGE 2 COST	\$30,012.00	SUBTOTAL PAGE 2 PREVIOUS	\$0.00	SUBTOTAL PAGE 2 THIS APPLICATION	\$0,00	SUBTOTAL PAGE 2 TO DATE	\$0.00

	se Order No.: CPO DEPxx*xx			ON BILLET	OF APPLICATI	ON AND CERT	ABANDONED MINE LA	YMENT			
	ct Name: 2023 AML Contract S(4)							Application No.:	1	Page	3 of 6 Pages
	dity Line: 4 Name: Branchland Portals			-						-	or or anges
roject	Dranchiand Portais							Work	/ CONTRA		
	SCHEDUI	E PER CONT	RACT						COMPLETED		
TASK	T		CONTRACT	UNIT BID		PREVIOUS	PREVIOUS BILLED	THIS APPLICATION	AMOUNT DUE THIS APPLICATION	TOTAL BIL	LED TO DAT
TT	DESCRIPTION	UNIT	QUANTITY	PRICE	COST	UNITS	COST	UNITS	COST	UNITS	COST
ASK I	I: REALTY									- CALLED	COST
ATT	Exploratory Rights of Entry (EROE)										
1	Project Manager / Senior Engineer										
2	Realty Agent	HIR	10	\$190.00	\$1,900.00		\$0.00		80.00		
-	a Courthouse Work				\$0.00				\$0.00	0.0	\$0.00
	b Field Reconnaisance / Landowner Correspondence	HR	4	\$175.00	\$700.00		\$0.00		F0.00		
++	c Office Work / AMLNET	HR	10	\$175.00	\$1,750.00		\$0.00		\$0.00	0.0	\$0.00
3	Mileage	HR	4	\$175.00	\$700.00		\$0.00		\$0,00	0.0	\$0.00
4	Per Diem	Mile	460	\$0.70	\$322.00		\$0.00		\$0,00	0.0	\$0.00
+	A GI DIGIT	Day	2	\$50.00	\$100.00		\$0.00		\$0.00	0.0	\$0.00
+	Construction Rights of Entry (CROE)						\$0.00		\$0.00	0.0	\$0.00
11	Project Manager / Senior Engineer										
2	Realty Agent	HR	8	\$190.00	\$1,520.00		\$0,00				
+	a Courthouse Work						\$0,00		\$0,00	0.0	\$0.00
		HR	4	\$175.00	\$700,00		\$0.00				
	b Field Reconnaisance / Landowner Correspondence	HR	6	\$175.00	\$1,050.00	1	\$0.00		\$0,00	0.0	\$0,00
3	c Office Work / AMLNET	HR	4	\$175.00	\$700.00		\$0.00		\$0.00	0.0	\$0.00
4	Mileage	Mile	460	\$0.70	\$322.00				\$0.00	0.0	\$0.00
+++	Per Diem	Day	2	\$50,00	\$100.00		\$0.00		\$0.00	0.0	\$0.00
+							\$0.00		\$0.00	0.0	\$0.00
1.1	Pre-Bid Conference					1					
1	Realty Agent	HR	8	\$175.00	\$1,400.00	1	00.00				
2	Mileage	Mile	230	\$0.70	\$161.00	1	\$0.00		\$0.00	0.0	\$0.00
+					#101,00	+	\$0.00		\$0,00	0.0	\$0.00
1	Pre-Construction Conference					+ +					
1	Realty Agent	HR	8	\$175,00	\$1,400.00						
2	Mileage	Mile	230	\$0,70	\$161.00	+	\$0,00		\$0.00	0,0	\$0,00
$\vdash$					¥101.00		\$0.00		\$0.00	0.0	\$0.00
$\vdash$						+					,
T 74 0	Revised 7/5/2023)			SUBTOTAL PAGE 3 COST	\$12,986,00	SUBTOTAL PAGE 3		SUBTOTAL			

_	_			CONTENUES ATTACK	ON SHEET C	F APPLICATION	AND CERT	BANDONED MINE LA FICATE FOR PAY	MENT			
			C	ONTINUATIN	ON OHEER C	71 TENT DECITION	T		Application No.:		Page 4 of	6 Pages
	_	order No.: CPO DEPxx*xx										
ontrac	_											
		y Line: 4  Branchland Portals								COMPLETED		
roject	INAI	SCHEDULE P	ER CONTE	RACT			PREVIOUS	PREVIOUS BILLED	THIS APPLICATION	AMOUNT DUE THIS APPLICATION	TOTAL BILLE	D TO DATE
TASI	K	DESCRIPTION	UNIT	CONTRACT	UNIT BID PRICE	UNIT BID PRICE	UNITS	COST	UNITS	COST	UNITS	COST
_												
ASK	Ш	DESIGN										
AJK		SITE RECONNAISSANCE AND INVESTIGATIONS						***		\$0.00	0,0	\$0.00
1	-	Senior Project Manager	HR	8	\$275.00	\$2,200.00		\$0.00		\$0.00	0.0	\$0.00
2		Project Manager / Senior Engineer	HR	П	\$190.00	\$2,090.00		\$0.00		\$0.00	0.0	\$0,00
3	-	Mileage	Mile	230	\$0.70	\$161.00		\$0.00	-	\$0.00	0.0	\$0.00
4	+-	Per Diem	Day		\$50.00	\$50.00		\$0.00		\$0.00		
+	H											
B	t	SURVEYING & MAPPING								\$0.00	0.0	\$0.00
1	1	Project Manager / Senior Engineer	HR	6	\$190.00	\$1,140,00		\$0.00		\$0.00	0.0	\$0.00
2	+	Staff Engineer	HR	1	\$115.00	\$115,00	-	\$0,00	-	\$0,00	0.0	\$0.00
3	1	Professional Surveyor / Chief Surveyor	HR	2	\$145.00	\$290.00		\$0.00		\$0.00	0.0	\$0.00
4	1	Survey Crew	HR	10	\$95.00	\$950,00	-	\$0.00	_	\$0.00	0.0	\$0.00
5	1	Senior Technician	HR	0	\$110.00	\$0.00	-	\$0.00		\$0.00	0.0	\$0.00
6	+-	Topographic, Planimetric and Check Surveying	Acre	0	\$0,00	\$0.00				\$0.00	0.0	\$0.00
7	T	Mileage	Mile	230	\$0,70	\$161.00		\$0.00	+	\$0.00	0,0	\$0.00
8	1	Per Diem	Day	1	\$50.00	\$50.00		\$0.00		44,00		
	F	THE PROPERTY AND PARTY OF THE P	No	t Required for this p	roject							
С	-	GEOTECHNICAL INVESTIGATION	No	Tecquired for this p								
	_				SUBTOTAL PAGE 4 COST	\$7,207.00	SUBTOTAL PAGE 4 PREVIOUS	\$0.00	SUBTOTAL PAGE 4 THIS APPLICATION	\$0.00	SUBTOTAL PAGE 4 TO DATE	\$0,00

	e Order No.: CPO DEPxx*xx				or in the bload	ON AND CERT	IFICATE FOR PAY	YMENT			
	t Name: 2023 AML Contract S(4)							Application No.:	1	Page	5 of 6 Pages
roject l	dity Line: 4 Name: Branchland Portals										o o o a ages
Toject	Granchiand Portals							Work			
	SCHE	DULE PER CONTI	RACT						COMPLETED		
TASK	DESCRIPTION	Libitati	CONTRACT	UNIT BID		PREVIOUS	PREVIOUS BILLED	THIS APPLICATION	AMOUNT DUE THIS APPLICATION	TOTAL BIL	LED TO DATI
TT		UNIT	QUANTITY	PRICE	COST	UNITS	COST	UNITS	COST	UNITS	COST
ASK II	II: DESIGN (CONTINUED)									- Cital	
T	ANALYSIS AND DESIGN										
1	Senior Project Manager										
2	Project Manager	HR	4	\$210.00	\$840.00		\$0,00		\$0,00		
3	Enviornmental Specialist	HR	20	\$190.00	\$3,800,00		\$0.00		\$0.00	0,0	\$0.00
4	Staff Engineer	HR	0	\$120.00	\$0.00		\$0.00		\$0.00	0.0	\$0,00
5	CADD Technician	HR	10	\$115.00	\$1,150.00		\$0.00		\$0.00	0.0	\$0.00
+		HR	10	\$115.00	\$1,150.00		\$0.00		\$0.00	0.0	\$0.00
+	PREPARATION OF PLANS, SPECIFICATIONS	NIP PINE							30.00	0.0	\$0.00
Ħ	Senior Project Manager										
2	Project Manager	HR	4	\$210.00	\$840.00		\$0.00		\$0.00		
3	Enviornmental Specialist	HR	40	\$190.00	\$7,600.00		\$0.00			0.0	\$0.00
4	Staff Engineer	HR	0	\$120.00	\$0.00		\$0.00		\$0.00	0.0	\$0.00
5	CADD Technician	HR	20	\$115.00	\$2,300.00		\$0.00		\$0,00	0.0	\$0.00
+++	CADD Technician	HR	20	\$115.00	\$2,300.00		\$0.00		\$0.00	0,0	\$0.00
+	PERMITTING [NPDES, MM109]								\$0.00	0,0	\$0.00
11	Project Manager / Senior Engineer										
. 2	Staff Engineer	HR	10	\$190.00	\$1,900.00		\$0.00		00.00		
3	Environmental Scientist	HR	40	\$115.00	\$4,600.00		\$0,00		\$0,00	0.0	\$0.00
4	CADD Technician	HR	20	\$105.00	\$2,100.00		\$0,00		\$0.00	0.0	\$0.00
+	CADD Technician	HIR	16	\$115.00	\$1,840.00		\$0,00		\$0.00	0.0	\$0.00
	PRE-BID CONFERENCE						\$5,50		\$0.00	0.0	\$0.00
1											
2	Project Manager / Senior Engineer Mileage	HR	6	\$190.00	\$1,140.00		\$0,00		no. 6 -		
3	Per Diem	Mile	230	\$0.70	\$161.00		\$0.00		\$0.00	0.0	\$0.00
++	r or Melli	Day	1	\$50.00	\$50.00		\$0,00		\$0.00	0.0	\$0.00
	PRE-CONSTRUCTION CONFERENCE						40,00		\$0.00	0.0	\$0,00
1											
2	Project Manager / Senior Engineer  Construction Inspector	HR	6	\$190.00	\$1,140.00		\$0.00				
3	Mileage	HR	6	\$116.00	\$696,00		\$0.00		\$0,00	0.0	\$0.00
-	TATIONEC	Mile	230	\$0.70	\$161.00		\$0.00		\$0.00	0.0	\$0.00
							30.00		\$0.00	0.0	\$0.00
∽7A (R	evised 7/5/2023)			SUBTOTAL PAGE 5 COST	\$33,768.00	SUBTOTAL PAGE 5 PREVIOUS	\$0.00	SUBTOTAL PAGE 5 THIS APPLICATION	\$0.00	SUBTOTAL PAGE 5 TO DATE	\$0,00

		WEST VIRGINIA	DEPARTMENT ONTINUATION	OF ENVIRONME ON SHEET OI	F APPLICATION A	ND CERTI	BANDONED MINE LAI FICATE FOR PAY	IVIENT		Раде б	of 6 Pages
Purchase	Order No.: CPO DEPxx*xx							Application No.: 1		1 age o	
Contract											
Commod								WORK	COMPLETED		
Project N	ame: Branchland Portals							THIS	AMOUNT DUE THIS	TOTAL BILL	ED TO DATE
	SCH	EDULE PER CONTR	ACT			PREVIOUS	PREVIOUS BILLED	APPLICATION	APPLICATION	TOTAL BILL	
TASK	DESCRIPTION	UNIT	CONTRACT QUANTITY	UNIT BID PRICE	COST	UNITS	COST	UNITS	COST	UNITS	COST
TASK IV	: CONSTRUCTION OVERSIGHT										
A	Construction Inspection				00.700.00		\$0,00		\$0.00	0.0	\$0.00
1	Project Manager / Senior Engineer	HR	30	\$190,00	\$5,700.00		\$0,00				
2	Construction Inspector						\$0.00		\$0.00	0.0	\$0.00
	a Construction Inspection	HR	320	\$116.00	\$37,120.00		\$0.00		\$0.00	0.0	\$0,00
-11	b Office Work / AMLNET	HR	30	\$116.00	\$3,480.00	_	\$0.00		\$0.00	0.0	\$0.00
	c Mileage	Mile	3800	\$0.70	\$2,660.00		\$0.00		\$0.00	0.0	\$0.00
_	d Per Diem	Day	20	\$175.00	\$3,500.00		30.00				
$\neg$											
TASK V	: POST-CONSTRUCTION OVERSIGHT										
A	FIELD VISITS / INSPECTIONS						\$0.00		\$0,00	0,0	\$0.00
	Project Manager / Senior Engineer	HR	20	\$190.00	\$3,800.00		\$0.00	-	\$0,00	0,0	\$0.00
2	Construction Inspector	HR	24	\$115.00	\$2,760.00		\$0.00	-	\$0.00	0.0	\$0.00
3	Mileage	Mile	100	\$0.70	\$70.00		30.00	<del>                                     </del>			
								-			
$\Box$											
				-							
				-							
				SUBTOTAL PAGE 6 COST	\$59,090.00	SUBTOTAL PAGE 6 PREVIOUS	\$0.00	SUBTOTAL PAGE 6 THIS APPLICATION	\$0.00	SUBTOTAL PAGE 6 TO DATE	\$0.00
	(Revised 7/5/2023)	Bra	nchland Portal	PROJECT TOTAL COST	\$143,063.00	PROJECT TOTAL PREVIOUS	\$0.0	PROJECT TOTAL THIS O APPLICATION	\$0.00	PROJECT TOTAL TO DATE	\$0.

Purchase Order N	o.: CPO DEP <sub>XX</sub> * <sub>XX</sub>		CONTINUATI	ON SHEET	OF APPLICATION	N AND CERT	ABANDONED MINE LA	ANDS & RECLAN	IATION		
Contract Name: Commodity Line; Project Name;	2023 AML Contract S(4)					THE GRAND		Application No.:	FDADATE ICTIBEDE DE	THE CAME IN	Of X Pages ROJECT TOTA
		SCHEDULE PER CONT	RACT					THIS	COMPLETED		D AS NEEDED
TASK DESC	DESCRIPTION	UNIT	CONTRACT	UNIT BID PRICE	UNIT BID PRICE	PREVIOUS	PREVIOUS BILLED	APPLICATION UNITS	AMOUNT DUE THIS APPLICATION	TOTAL BIL	LED TO DATE
				ARICE			COST	UNITS	COST	UNITS	COST
AML-7 (Revised 7/5/2	2023)	CONTRACT NAME:	2023 AML Contract S(4)	GRAND TOTAL COST	\$143,063,00	GRAND TOTAL PREVIOUS	\$0.00	GRAND TOTAL THIS APPLICATION		GRAND TOTAL	

			C	ONTINUATI	ON SHEET OF	APPLICATION	N AND CERT	FICATE FOR PAY	NDS & RECLAM		Page 2 of	6 Pages
urchase	e Order No.: CPO DEPx	(*xx							Application No.:	1	rage 2 01	o 1 ages
		Contract S(4)										
	dity Line: 5								WORK	COMPLETED		
roject N	Name: Middle For	k (Adkins) Portals					1		THIS	AMOUNT DUE THIS	TOTAL BILLE	D TO DATE
		SCHEDULE	PER CONTI	RACT			PREVIOUS	PREVIOUS BILLED	APPLICATION	APPLICATION	TOTAL DIELE	D 10 D/11
				CONTRACT	UNIT BID	and the	UNITS	COST	UNITS	COST	UNITS	COST
TASK	[ ]	DESCRIPTION	UNIT	QUANTITY	PRICE	COST	UNIIS	C001	0.1120			
ТТ												
ASK I	: NEPA & ESA											
A T	Agency Coordinations (	including Office Work, AMLNET, etc	2.)							\$0.00	0.0	\$0,00
11	Project Manager / Senio		HR	20	\$185.00	\$3,700.00		\$0.00		\$0.00	0.0	\$0.00
1 2	Engineer / Technical Sci		HR	22	\$120.00	\$2,640,00	1	\$0.00		\$0.00	0.0	\$0.00
3	Environmental Technici		HR	22	\$90.00	\$1,980,00		\$0,00		\$0.00	0.0	\$0.00
4	Planning / Technical Spe		HR	16	\$110.00	\$1,760.00		\$0,00		\$0.00	0.0	\$0.00
5	Per Diem		Day	0	\$50.00	\$0.00		\$0,00		\$0,00	- V.V	
+									-			
В	Public Involvement (inc	luding Legal Ads, Public Hearings, D	ocuments, Pre	sentations, WVDEP	's Website, etc.)			****		\$0.00	0.0	\$0.00
	Project Manager / Senio		HR	10	\$185.00	\$1,850.00		\$0.00		\$0.00	0.0	\$0.00
2	Engineer / Technical Sc		HR	0	\$120.00	\$0.00		\$0.00		\$0.00	0.0	\$0.00
3	Environmental Technici		HR	0	\$90,00	\$0.00		\$0.00		\$0.00	0.0	\$0,00
Δ	Planning / Technical Sp		HR	0	\$110.00	\$0.00		\$0.00		\$0,00	0.0	\$0,00
5	Per Diem		Day	0	\$50.00	\$0.00		\$0.00		30,00		
+									-			
	Studies, Surveys & Mit	igation Plans (as applicable) [Water S	ampling (1 ro	und), Wetland/Stream	m Deliniation & Repo	rt]		40.00		\$0.00	0.0	\$0.00
1	Project Manager / Seni		HR	30	\$185.00	\$5,550,00		\$0.00	-	\$0.00	0.0	\$0,00
2	Engineer / Technical So		HR	30	\$120.00	\$3,600.00		\$0.00	_	\$0.00	0,0	\$0.00
3	Environmental Technic		HR	30	\$90.00	\$2,700.00		\$0.00	-	\$5.55		
4	Planning / Technical Sp		HR	10	\$110.00	\$1,100.00		\$0,00	+	\$0.00	0.0	\$0.00
5	Mileage		Mile	410	\$0.70	\$287,00		\$0.00	1	\$0.00	0.0	\$0.00
6	Per Diem		Day	2	\$50.00	\$100.00		\$0,00	+			
С	CATEX / EA / FONSI	/ EIS						\$0,00	-	\$0.00	0.0	\$0.00
1	Project Manager / Seni	or Engineer	HR	12	\$185.00	\$2,220.00		\$0.00		\$0.00	0.0	\$0.00
2	Engineer / Technical S		HR	14	\$120.00	\$1,680.00		\$0.00	-	\$0.00	0.0	\$0.00
3	Environmental Technic	ian II	HR	14	\$90.00	\$1,260.00		\$0,00		\$0.00	0.0	\$0.00
4	Planning / Technical St	pecialist	HR	6	\$110.00	\$660.00	+	\$0.00		\$0.00	0.0	\$0.00
5	Per Diem		Day	0	\$50.00	\$0.00		30,00	+	10.00		
								-				
					SUBTOTAL PAGE 2 COST	\$31,087.00	SUBTOTAL PAGE 2	\$0.00	SUBTOTAL PAGE 2 THIS APPLICATION	\$0.00	SUBTOTAL PAGE 2 TO DATE	\$0.0

	ase Order No.: CPO DEPxx*xx					1	IFICATE FOR PA				
	act Name: 2023 AML Contract S(4)							Application No.:	1	Page 3	3 of 6 Pages
	odity Line: 5 t Name: Middle Fork (Adkins) Portole										
oject	t Name: Middle Fork (Adkins) Portals							WORK	COMPLETED		
	sci	EDULE PER CONT	RACT			PREVIOUS	PREVIOUS BILLED	THIS APPLICATION	AMOUNT DUE THIS APPLICATION	TOTAL BIL	LED TO DATE
TASI	K DESCRIPTION	UNIT	CONTRACT QUANTITY	UNIT BID PRICE	соѕт	UNITS	COST	UNITS	COST	UNITS	COST
ASKI	II: REALTY										
	T										
	Exploratory Rights of Entry (EROE)									_	
12	Project Manager / Senior Engineer	HR	10	\$190,00	\$1,900.00		\$0.00		\$0.00	-	
2					\$0,00				\$0.00	0.0	\$0.00
+	a Courthouse Work	HR	20	\$175.00	\$3,500.00		\$0.00		£0.00		
+	b Field Reconnaisance / Landowner Correspondence	HR	25	\$175.00	\$4,375.00		\$0.00		\$0.00	0.0	\$0,00
1	c Office Work / AMI_NET	HR	4	\$175.00	\$700.00		\$0.00		\$0.00	0.0	\$0.00
3	Mileage	Mile	560	\$0.70	\$392.00		\$0.00		\$0.00	0.0	\$0.00
4	Per Diem	Day	1	\$50.00	\$50.00		\$0.00		\$0,00	0.0	\$0.00
$\sqcup$							\$0.00		\$0.00	0.0	\$0.00
	Construction Rights of Entry (CROE)										
1	Project Manager / Senior Engineer	HIR	10	\$190.00	\$1,900,00		00.00				
2	Realty Agent				\$E,500,00		\$0.00		\$0.00	0.0	\$0.00
-	a Courthouse Work	HR	10	\$175.00	\$1,750.00						
$\perp$	b Field Reconnaisance / Landowner Correspondence	HR	15	\$175.00	\$2,625,00	-	\$0.00		\$0,00	0.0	\$0.00
	c Office Work / AMLNET	HR	2	\$175.00	\$350,00		\$0.00		\$0.00	0.0	\$0.00
3	Mileage	Mile	560	\$0.70	\$392.00		\$0.00		\$0,00	0.0	\$0.00
4	Per Diem	Day	1	\$50.00	\$50.00		\$0.00		\$0.00	0.0	\$0.00
IT				350.00	\$30.00		\$0.00		\$0.00	0.0	\$0.00
	Pre-Bid Conference			+		-					
1	Realty Agent	HR	8	\$175,00	\$1.400.00	-					
2	Mileage	Mile	290	\$0.70	\$1,400.00	-	\$0.00		\$0.00	0.0	\$0,00
		TVIIIC .	230	\$0,70	\$203.00		\$0.00		\$0.00	0.0	\$0.00
T	Pre-Construction Conference			<del></del>		-					
1	Realty Agent	HR	8	#175 no							
2	Mileage	Mile	290	\$175.00	\$1,400.00		\$0.00		\$0.00	0.0	\$0.00
$\Box$		Mile	290	\$0.70	\$203.00		\$0.00		\$0.00	0.0	\$0,00
											\$5,50
$\Box$											
L-7A (	(Revised 7/5/2023)			SUBTOTAL PAGE 3 COST	\$21,190.00	PAGE 3 PREVIOUS	\$0.00	SUBTOTAL PAGE 3 THIS APPLICATION	\$0,00	SUBTOTAL PAGE 3 TO DATE	\$0,00

			ONTINUATI	ON SHEET C	OF APPLICATION	AND CERT	FICATE FOR PAY	MENI			
rehass	e Order No.: CPO DEPxx*xx							Application No.:	1	Page 4 of	6 Pages
	t Name: 2023 AML Contract S(4)										
	dity Line: 5							WORK	COMPLETED		
roject l	Name: Middle Fork (Adkins) Portals										
	SCHEDULE	PER CONTI	ACT			PREVIOUS	PREVIOUS BILLED	THIS APPLICATION	AMOUNT DUE THIS APPLICATION	TOTAL BILLE	D TO DATE
TASK	DESCRIPTION	UNIT	CONTRACT QUANTITY	UNIT BID PRICE	UNIT BID PRICE	UNITS	COST	UNITS	COST	UNITS	COST
T											
ASK II	II: DESIGN										
T	SITE RECONNAISSANCE AND INVESTIGATIONS								00.00	0.0	\$0.00
1	Senior Project Manager	HR	2	\$275,00	\$550.00	ļ	\$0.00		\$0.00		\$0.00
2	Project Manager	HR	15	\$190.00	\$2,850,00		\$0.00		\$0.00	0.0	\$0.00
3	Mileage	Mile	290	\$0.70	\$203,00		\$0,00		\$0.00	0.0	
4	Per Diem	Day	1	\$50.00	\$50,00		\$0.00		\$0.00	0.0	\$0.00
В	SURVEYING & MAPPING										***
11	Project Manager / Senior Engineer	HR	8	\$190 00	\$1,520.00		\$0.00		\$0.00	0.0	\$0.00
1,1	Staff Engineer	HR	5	\$115.00	\$575.00		\$0.00		\$0.00	0.0	\$0.00
3	Professional Surveyor / Chief Surveyor	HR	2	\$145.00	\$290.00		\$0.00		\$0.00	0.0	\$0.00
1	Survey Crew	HR	12	\$95.00	\$1,140.00		\$0.00		\$0.00	0.0	\$0.00
5	Senior Technician	HR	0	\$110.00	\$0.00		\$0,00		\$0.00	0.0	\$0.00
6	Topographic, Planimetric and Check Surveying	Acre	0	\$250.00	\$0,00		\$0.00		\$0.00	0.0	\$0.00
7	Mileage	Mile	290	\$0.70	\$203.00		\$0.00		\$0.00	0,0	\$0.00
8	Per Diem	Day	11	\$50.00	\$50.00		\$0.00-		\$0.00	0.0	\$0.00
	GEOTECHNICAL INVESTIGATION	No	Required for this p	roject							
	020 (2001)										
ML-7A				SUBTOTAL PAGE 4 COST	\$7,431.00	SUBTOTAL PAGE 4 PREVIOUS	\$0.00	SUBTOTAL PAGE 4 THIS APPLICATION	\$0,00	SUBTOTAL PAGE 4 TO DATE	\$0.00

	ase Order No.: CPO DEPxx*xx		001111110211	ION SHEET	OF APPLICATION	ON AND CERT	ABANDONED MINE LA	YMENT			
	act Name: 2023 AML Contract S(4)							Application No.:	1	Page	E-FCB
	odity Line: 5									Tage:	5 of 6 Pages
roject	t Name: Middle Fork (Adkins) Portals										
	SCHEDU	LE PER CONT	DACT						COMPLETED		
		DETER CONT.	RACI			PREVIOUS	PREVIOUS BILLED	THIS	AMOUNT DUE THIS	TOTAL BIL	LED TO DATE
TASI	DESCRIPTION	UNIT	CONTRACT QUANTITY	UNIT BID PRICE	COST	UNITS	COST	APPLICATION UNITS	APPLICATION		
ACVI	III: DESIGN (CONTINUED)									UNITS	COST
NSK I											
	ANALYSIS AND DESIGN										
1	Senior Project Manager	HR	2	\$210.00	\$420,00		\$0.00				
3	Project Manager	HR	20	\$190.00	\$3,800,00		\$0.00		\$0,00	0.0	\$0,00
+	Enviornmental Specialist	HIR.	0	\$120.00	\$0.00		\$0.00		\$0.00	0.0	\$0.00
4	Staff Engineer	HR	2	\$115.00	\$230,00				\$0.00	0.0	\$0.00
5	CADD Technician	HIR	4	\$115.00	\$460.00		\$0.00		\$0.00	0.0	\$0.00
$\vdash$							\$0.00		\$0.00	0.0	\$0.00
$\square$	PREPARATION OF PLANS, SPECIFICATIONS ANI	ENGINEERS	ESTIMATE								
1	Senior Project Manager	HR	4	\$210.00	\$840.00		<b>#0.00</b>				
2	Project Manager	HR	30	\$190,00	\$5,700.00	+	\$0.00		\$0.00	0,0	\$0.00
3	Enviornmental Specialist	HR	0	\$120,00	\$0.00	+	\$0.00		\$0.00	0.0	\$0.00
4	Staff Engineer	HR	20	\$115,00	\$2,300.00	+	\$0,00		\$0.00	0.0	\$0.00
5	CADD Technician	HR	30	\$115.00	\$3,450.00		\$0.00		\$0.00	0.0	\$0.00
$\vdash$					\$3,430.00	+	\$0.00		\$0,00	0.0	\$0.00
Ц	PERMITTING [NPDES, USACE, MM-109]										
11	Project Manager / Senior Engineer	HR	15	\$190.00	\$2,850,00	-					
2	Staff Engineer	HR	40	\$115.00	\$4,600.00	-	\$0.00		\$0.00	0.0	\$0.00
3	Mileage	Mile	0	\$105,00	\$0.00	_	\$0.00		\$0,00	0.0	\$0,00
4	CADD Technician	HR	30	\$115.00	\$3,450.00		\$0.00		\$0.00	0.0	\$0.00
				*******	43,430.00		\$0,00		\$0.00	0.0	\$0,00
	PRE-BID CONFERENCE										
1	Project Manager / Senior Engineer	HR	5	\$190,00	\$950.00						
2	Mileage	Mile	180	\$0.70	\$126,00		\$0,00		\$0.00	0.0	\$0.00
3	Per Diem	Day	1	\$50.00	\$126,00	-	\$0,00		\$0.00	0.0	\$0.00
				\$30.00	\$30,00		\$0.00		\$0.00	0.0	\$0.00
	PRE-CONSTRUCTION CONFERENCE										7
1	Project Manager / Senior Engineer	HR	6	\$190.00	\$1,140.00						
2	Construction Inspector	HR	6	\$116.00			\$0.00		\$0.00	0.0	\$0.00
3	Mileage	Mile	180	\$0.70	\$696.00		\$0.00		\$0.00	0.0	\$0.00
				\$0.70	\$126.00		\$0.00		\$0.00	0.0	\$0.00
						GYIRMONIA					90.00
L-7A (	(Revised 7/5/2023)			PAGE 5 COST	\$31,188.00	PAGE 5 PREVIOUS	\$0,00	SUBTOTAL PAGE 5 THIS APPLICATION	\$0.00	SUBTOTAL PAGE 5 TO DATE	\$0.00

		C	ONTINUATIO	ON SHEET OF	APPLICATION	IND CERTI	FICATE FOR PAY	Application No.:		Page 6 o	f 6 Pages
rchas	ase Order No.: CPO DEPxx*xx							хррисанон 140			
	act Name: 2023 AML Contract S(4)										
	odity Line: 5							WORK	COMPLETED		
oject l	t Name: Middle Fork (Adkins) Portals  SCHEI	OULE PER CONTE	ACT			PREVIOUS	PREVIOUS BILLED	THIS APPLICATION	AMOUNT DUE THIS APPLICATION	TOTAL BILL	ED TO DATE
TASK	DESCRIPTION	UNIT	CONTRACT	UNIT BID PRICE	COST	UNITS	COST	UNITS	COST	UNITS	COST
1 1											
CIZ I	IV: CONSTRUCTION OVERSIGHT										
TI	Construction Inspection										\$0.00
+-	Project Manager / Senior Engineer	HR	20	\$190.00	\$3,800.00		\$0.00		\$0.00	0.0	\$0,00
1	Construction Inspector									- 00	\$0.00
4	a Construction Inspection	HR	320	\$116.00	\$37,120.00		\$0.00		\$0.00	0.0	\$0.00
H	b Office Work / AMLNET	HR	32	\$116.00	\$3,712.00		\$0,00		\$0.00	0.0	\$0.00
+	c Mileage	Mile	4000	\$0.70	\$2,800.00		\$0,00		\$0.00	0.0	\$0.00
+	d Per Diem	Day	20	\$50,00	\$1,000.00		\$0.00		\$0.00	0.0	30,00
+	d Per Diem										
	V: POST-CONSTRUCTION OVERSIGHT										
ASK	FIELD VISITS / INSPECTIONS										\$0.00
-	Project Manager / Senior Engineer	HR	20	\$190.00	\$3,800,00		\$0,00		\$0,00	0.0	\$0.00
1	2 Construction Inspector	HR	24	\$116.00	\$2,784.00		\$0.00		\$0.00	0.0	\$0.00
1 2	3 Mileage	Mile	100	\$0.70	\$70.00		\$0.00		\$0.00	0.0	30.00
13	Joneage										
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+-	++										
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+								AND TO THE STATE OF THE STATE O			
				SUBTOTAL PAGE 6 COST	\$55,086.00	SUBTOTAL PAGE 6 PREVIOUS	\$0.00	SUBTOTAL PAGE 6 THIS APPLICATION	\$0.00	SUBTOTAL PAGE 6 TO DATE	\$0.00
				PROJECT TOTAL COST		PROJECT TOTAL		PROJECT TOTAL THIS APPLICATION	*0.00	PROJECT TOTAL TO DATE	

Purchase Order No.:	CPO DEPxx*xx		CONTINUATI	ON SHEET	OF APPLICATIO	N AND CERT	IFICATE FOR PA	YMENT	IATION		
Contract Name: 2023 AML Contract S(4)  Commodity Line: N/A  Project Name: N/A  SCHEDULE PER CONTRACT  TASK  DESCRIPTION  UNIT CONTRACT UNIT BID PRICE  UNIT BI						THE GRAND	IOTALS HERE COUL	Application No.: D BE MADE A S	1 EPARATE 'SHEET' SO SHEET', AND PAGE NUN	TO CERT AND	C of X Pages ROJECT TOTA
		SCUEDUI E DED CONTE	0.4.cm					WORK	COMPLETED	ABERS CORRECT	ED AS NEEDED
TAGY	DESCRIPTION CONTRACT TO THE				PREVIOUS	PREVIOUS BILLED	THIS APPLICATION	AMOUNT DUE THIS APPLICATION	TOTAL BII	LED TO DATE	
IASK	DESCRIPTION	UNIT			UNIT BID PRICE	UNITS	COST	UNITS	COST	UNITS	COST
ML-7 (Revised 7/5/202	23)	CONTRACT NAME:		OLC LILD	\$145,982.00	GRAND TOTAL PREVIOUS		GRAND TOTAL THIS APPLICATION	\$0,00	GRAND TOTAL TO DATE	

		C	ONTINUATION	ON SHEET OF	APPLICATION	N AND CENT	FICATE FOR PAY	A P. C. N		Page 2 of	6 Pages
rchase	Order No.: CPO DEPxx*xx							Application No.:	1	rage 2 di	o I ages
	Name: 2023 AML Contract S(4)					-					
mmod	ty Line: 6							WORK	COMPLETED		
oject N	ame: Cadbury Land Drainage and Highwall							THIS	AMOUNT DUE THIS	TOTAL BILLEI	D TO DATE
	SCHEDU	LE PER CONTE	LACT			PREVIOUS	PREVIOUS BILLED	APPLICATION	APPLICATION	TOTAL BILLLI	D TO BATE
			CONTRACT	UNIT BID			COST	UNITS	COST	UNITS	COST
TASK	DESCRIPTION	UNIT	QUANTITY	PRICE	COST	UNITS	COST	UNIIS	CODI		
1 1											
	NESS A D EC A										
ISK I:	NEPA & ESA  Agency Coordinations (including Office Work, AMLNE)	C etc.)									<b>***</b>
++		HR	32	\$185.00	\$5,920.00		\$0.00		\$0,00	0.0	\$0.00
1	Project Manager / Senior Engineer	HR	30	\$120.00	\$3,600.00		\$0.00		\$0,00	0.0	\$0.00
2	Engineer / Technical Scientist Environmental Technician II	HR	30	\$90.00	\$2,700.00		\$0.00		\$0.00	0,0	\$0.00
3		HR	2.5	\$110.00	\$2,750.00	ML	\$0.00		\$0.00	0.0	\$0.00
4	Planning / Technical Specialist	Day	0	\$50.00	\$0.00		\$0.00		\$0.00	0.0	\$0.00
5	Per Diem	Day									
$\vdash$	Public Involvement (including Legal Ads. Public Hearing	c Documents Pro	sentations WVDEP	s Website, etc.)							
1		S, Documents, 11c	10	\$185.00	\$1,850.00		\$0.00		\$0.00	0,0	\$0.00
11	Project Manager / Senior Engineer	HR	0	\$120.00	\$0.00		\$0.00		\$0.00	0.0	\$0.00
2	Engineer / Technical Scientist	HR	0	\$90.00	\$0.00		\$0.00		\$0.00	0.0	\$0.00
3	Environmental Technician II	HR	0	\$110.00	\$0.00		\$0.00		\$0.00	0.0	\$0.00
4	Planning / Technical Specialist	Day	0	\$50,00	\$0.00		\$0.00		\$0.00	0.0	\$0.00
5	Per Diem	Day									
+	Studies, Surveys & Mitigation Plans (as applicable) [Wa	- Camelina (1 res	and) Watland/Stream	n Delimation & Reno	rtl						
		HR	16	\$185.00	\$2,960,00		\$0.00		\$0.00	0.0	\$0.00
1	Project Manager / Senior Engineer	HR	65	\$120,00	\$7,800.00		\$0.00		\$0,00	0.0	\$0.00
2	Engineer / Technical Scientist		65	\$90.00	\$5,850,00	_	\$0.00		\$0.00	0.0	\$0.00
3	Environmental Technician II	HR	12	\$110.00	\$1,320,00						
4	Planning / Technical Specialist		410	\$0.70	\$287.00		\$0.00		\$0.00	0.0	\$0.00
5	Mileage	Mile	8	\$50.00	\$400,00		\$0.00		\$0.00	0,0	\$0.00
6	Per Diem	Day		350,00	V 1001						
			-								
	CATEX / EA / FONSI / EIS		22	\$185,00	\$4,070,00		\$0.00		\$0.00	0.0	\$0.00
1	Project Manager / Senior Engineer	HR	22	\$185.00	\$3,600.00		\$0.00		\$0.00	0.0	\$0.00
2	Engineer / Technical Scientist	HR	30	\$90.00	\$2,700.00		\$0.00		\$0.00	0.0	\$0.00
3	Environmental Technician II	HR	30	\$110.00	\$1,100.00		\$0.00		\$0.00	0.0	\$0.00
4	Planning / Technical Specialist	HR	10		\$0.00		\$0.00		\$0.00	0.0	\$0.00
5	Per Diem	Day	0	\$50.00	\$0.00						
				-				6			
				SUBTOTAL PAGE 2 COST	\$46,907.00	SUBTOTAL PAGE 2 PREVIOUS	\$0.00	SUBTOTAL PAGE 2 THIS APPLICATION	\$0.00	SUBTOTAL PAGE 2 TO DATE	\$0.00

	se Order No.: CPO DEPxx*xx				J. III Z DECRETE	ON AND CENT	IFICATE FOR PA				
	ct Name; 2023 AML Contract S(4)							Application No.;	1	Page	3 of 6 Pages
	Name: Cadbury Land Drainage and Highwall										
	The state of the s							WORK	COMPLETED		
		E PER CONTI				PREVIOUS	PREVIOUS BILLED	THIS APPLICATION	AMOUNT DUE THIS APPLICATION	TOTAL BI	LLED TO DATE
TASK	DESCRIPTION	UNIT	CONTRACT QUANTITY	UNIT BID PRICE	COST	UNITS	COST	UNITS	COST	UNITS	COST
ASK I	I: REALTY									CATIO	
T	Exploratory Rights of Entry (EROE)									-	
1	Project Manager / Senior Engineer										
2	Realty Agent	HR	10	\$190,00	\$1,900.00		\$0.00		\$0.00		
-	a Courthouse Work								\$0.00	0.0	\$0.00
	b Field Reconnaisance / Landowner Correspondence	HR	4	\$175.00	\$700.00		\$0.00		#n.nn		
$\vdash$	c Office Work / AMLNET	HR	8	\$175,00	\$1,400.00		\$0,00		\$0.00	0.0	\$0.00
3	Mileage	HR	4	\$190.00	\$760.00		\$0.00		\$0.00	0.0	\$0.00
4	Per Diem	Mile	320	\$0.70	\$224.00		\$0.00		\$0.00	0.0	\$0.00
+	Ter Dient	Day	0		\$0.00		\$0.00		\$0,00	0.0	\$0,00
+	Construction Picks CV (CP)						40.00		\$0.00	0,0	\$0.00
1	Construction Rights of Entry (CROE)							-			
2	Project Manager / Senior Engineer Realty Agent	HR	10	\$190.00	\$1,900.00		\$0,00				
-							\$0.00		\$0.00	0,0	\$0.00
	a Courthouse Work	HR	2	\$175.00	\$350,00		\$0.00				
	b Field Reconnaisance / Landowner Correspondence	HR	8	\$175.00	\$1,400,00		\$0.00		\$0.00	0.0	\$0.00
3	c Office Work / AMLNET	HR	2	\$190.00	\$380.00		\$0.00		\$0.00	0.0	\$0.00
4	Mileage	Mile	320	\$0.70	\$224.00	-			\$0.00	0.0	\$0.00
4	Per Diem	Day	0	\$50.00	\$0,00		\$0.00		\$0.00	0.0	\$0.00
$\vdash$	P 200						\$0,00		\$0,00	0.0	\$0,00
$\vdash$	Pre-Bid Conference					_					
1	Realty Agent	HR	8	\$175.00	\$1,400,00		70.00				
2	Mileage	Mile	160	\$0.70	\$112.00		\$0,00		\$0.00	0,0	\$0.00
-	n a				722,00		\$0.00		\$0.00	0.0	\$0.00
-	Pre-Construction Conference										
1	Realty Agent	HR	8	\$175,00	\$1,400.00		20.00				
2	Mileage	Mile	160	\$0.70	\$112.00		\$0.00		\$0.00	0.0	\$0.00
-					********		\$0.00		\$0.00	0.0	\$0.00
-						1					
-7∆ /G	Revised 7/5/2023)			SUBTOTAL PAGE 3 COST	\$12,262,00	SUBTOTAL PAGE 3	\$0.00	SUBTOTAL PAGE 3 THIS		SUBTOTAL	

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	CDO DED			OHIMACIETA					Application No.:	1	Page 4 of	6 Pages
	Order No.: CPO DEPxx*x: Name: 2023 AML Cor											
	lity Line: 6	KINCI D(4)							WORK	COMPLETED		
roject l	itty Eliter	Drainage and Highwall								AMOUNT DUE THIS		
		SCHEDULE P	ER CONTE	ACT			PREVIOUS	PREVIOUS BILLED	THIS APPLICATION	APPLICATION	TOTAL BILLE	
TASK	DES	SCRIPTION	UNIT	CONTRACT QUANTITY	UNIT BID PRICE	UNIT BID PRICE	UNITS	COST	UNITS	COST	UNITS	COST
П									-			
ASK I	II: DESIGN											
ATT		E AND INVESTIGATIONS						£0.00		\$0,00	0.0	\$0.00
11	Senior Project Manager		HR	4	\$210.00	\$840.00		\$0.00	-	\$0.00	0.0	\$0.00
2	Project Manager		HR	40	\$190,00	\$7,600.00	-	\$0.00		\$0.00	0.0	\$0.00
3	Mileage		Mile	160	\$0.70	\$112.00	-	\$0.00	-	\$0.00	0.0	\$0.00
4	Per Diem		Day	1	\$50.00	\$50.00		\$0,00		90,00		
В	SURVEYING & MAPPI	NG						60.00	-	\$0.00	0.0	\$0.00
	Project Manager II		HR	50	\$190 00	\$9,500.00		\$0.00		\$0.00	0.0	\$0.00
2	GIS Technician II		HR	0	\$110.00	\$0,00		\$0.00		\$0.00	0.0	\$0.00
3	Professional Surveyor / Ch	ief Surveyor	HR	. 5	\$165.00	\$825.00		\$0.00	-	\$0.00	0.0	\$0.00
4	Survey Crew		HR	40	\$95.00	\$3,800.00		\$0.00	-	\$0.00	0.0	\$0.00
5	CADD Technician II		HR	20	\$115.00	\$2,300.00		\$0.00		\$0,00	0.0	\$0.00
6	Topographic, Planimetric a	nd Check Surveying	Acre	85	\$106.00	\$9,010.00		\$0.00		\$0.00	0.0	\$0.00
7	Mileage		Mile	320	\$0.70	\$224.00		\$0.00			0.0	\$0.00
8	Per Diem		Day	2	\$50.00	\$100.00		\$0.00		50,00	0.0	40.00
-	I of Dietil											
c	GEOTECHNICAL INVI	ESTIGATION									1 00	\$0.00
١,	Project Manager II	90 12022 1011	HR	60	\$210,00	\$12,600.00		\$0.00	1	\$0.00	0.0	\$0.00
2	Geotechnical Engineer/Geo	alogist	HR	42	\$185.00	\$7,770.00		\$0.00	-	\$0,00		\$0.00
3	Mobilization / Demobilizat		I.S	1	\$3,500.00	\$3,500.00		\$0.00		\$0.00	0.0	\$0.00
4	Soil Augering		LF	1225	\$32.00	\$39,200.00		\$0.00		\$0.00	0.0	\$0.00
5	Rock Coring		LF	0	\$0.00	\$0.00		\$0.00		\$0.00		\$0.00
6	Heavy Equipment		HR	90	\$190.00	\$17,100.00		\$0.00		\$0.00	0.0	\$0.00
0	Piezometer Installation		LF	0	\$0.00	\$0,00		\$0.00		\$0.00	0.0	\$0,00
8	Drill Crew Per Diem		Day	24	\$370.00	\$8,880.00		\$0.00		\$0.00		\$0.00
9	Reclamation		LS	1	\$10,000.00	\$10,000.00		\$0.00		\$0.00	0.0	\$0.00
	Geotechnical Investigation	Report	LS	1	\$15,000.00	\$15,000.00		\$0.00		\$0.00	0.0	\$0.0
10		1 Keport	Mile	440	\$0.70	\$308.00		\$0.00		\$0.00	0.0	\$0.00
11	Mileage		Day	1	\$50.00	\$50.00		\$0.00		\$0.00	0.0	\$0.0
12	Per Diem											
			-	1	SUBTOTAL PAGE 4 COST	\$148,769.00	SUBTOTAL PAGE 4 PREVIOUS	\$0.00	SUBTOTAL PAGE 4 THIS APPLICATION	\$0.00	SUBTOTAL PAGE 4 TO DATE	\$0.00

	e Order No.: CPO DEPxx*xx					The Child	IFICATE FOR PAY				
	t Name: 2023 AML Contract S(4)							Application No.:	1	Page 5	of 6 Pages
ommoo roject l	dity Line: 6										
ojeci i	Name: Cadbury Land Drainage and Highwall							WORK	COMPLETED		
	SCHEI	DULE PER CONTI	RACT			barrana		THIS	AMOUNT DUE THIS	1	
						PREVIOUS	PREVIOUS BILLED	APPLICATION	APPLICATION	TOTAL BIL	LED TO DATE
TASK	DESCRIPTION	UNIT	CONTRACT QUANTITY	UNIT BID PRICE	COST	UNITS	COST	UNITS	COST	UNITS	COOT
A STZ D	I. DEGICAL CONTENTS									Oldis	COST
ASK II	I: DESIGN (CONTINUED)										
++	ANALYSIS AND DESIGN										
2	Senior Project Manager	HR	20	\$210,00	\$4,200.00		\$0.00				
3	Project Manager	HR	150	\$190.00	\$28,500.00		\$0,00		\$0.00	0.0	\$0.00
+-	Enviornmental Specialist	HR	15	\$120.00	\$1,800.00		\$0,00		\$0.00	0,0	\$0.00
4	Staff Engineer	HR	100	\$115.00	\$11,500.00		\$0.00		\$0.00	0,0	\$0.00
5	CADD Technician	HR	80	\$115.00	\$9,200.00		\$0,00		\$0.00	0.0	\$0.00
+						<del>                                     </del>	Φ0,00		\$0.00	0.0	\$0.00
$\sqcup$	PREPARATION OF PLANS, SPECIFICATIONS A	ND ENGINEERS	ESTIMATE								
11	Senior Project Manager	HR	20	\$210.00	\$4,200.00		\$0,00				
2	Project Manager	HR	120	\$190.00	\$22,800.00	1			\$0.00	0.0	\$0.00
3	Enviornmental Specialist	HR	14	\$120.00	\$1,680.00		\$0.00		\$0.00	0,0	\$0.00
4	Staff Engineer	HR	120	\$115,00	\$13,800.00		\$0.00		\$0.00	0.0	\$0.00
5	CADD Technician	HR	120	\$115.00	\$13,800.00		\$0.00		\$0.00	0,0	\$0.00
				+ ******	213,800.00	-	\$0.00		\$0.00	0.0	\$0,00
	PERMITTING [NPDES, USACE]										
1	Project Manager	HR	65	\$190,00	\$12,350.00						
2	Staff Engineer	HR	90	\$115.00	\$10,350,00		\$0.00		\$0.00	0.0	\$0.00
3	Mileage	Mile	0	\$0.70	\$0,00		\$0.00		\$0.00	0.0	\$0.00
4	CADD Technician	HR	80	\$115.00	\$9,200.00		\$0.00		\$0.00	0.0	\$0,00
				\$115,00	\$9,200,00		\$0.00		\$0.00	0.0	\$0.00
	PRE-BID CONFERENCE					-					
1	Project Manager / Senior Engineer	HIR	10	\$190.00	\$1.000.00						
2	Mileage	Mile	160	\$0,70	\$1,900.00		\$0.00		\$0.00	0.0	\$0.00
3	Per Diem	Day	1	\$50.00	\$112.00		\$0.00		\$0.00	0.0	\$0,00
			1	00,00	\$50.00		\$0.00		\$0.00	0.0	\$0.00
	PRE-CONSTRUCTION CONFERENCE			<b>-</b>							
1	Project Manager / Senior Engineer	HR	10	\$190.00							
2	Construction Inspector	HR	10		\$1,900.00		\$0.00		\$0.00	0.0	\$0.00
3	Mileage	Mile	160	\$116.00	\$1,160.00		\$0.00		\$0.00	0.0	\$0.00
		Iville	100	\$0.70	\$112.00		\$0.00		\$0.00	0.0	\$0.00
	<u> </u>									0.0	90,00
L-7A (F	devised 7/5/2023)		SUBTOTAL PAGE 5 COST	\$148,614.00	SUBTOTAL PAGE 5 PREVIOUS	\$0.00	SUBTOTAL PAGE 5 THIS APPLICATION	\$0.00	SUBTOTAL PAGE 5 TO DATE	\$0.00	

	CDO DEDurêm	С	ONTINUATIO	ON SHEET O	F APPLICATION A	AND CERTI	FICATE FOR PAY	Application No.:	1	Page 6	of 6 Pages
	Order No.: CPO DEPxx*xx  Name: 2023 AML Contract S(4)										
	Name: 2023 AML Contract S(4)								Was and Williams		
oject N									COMPLETED		
ojecci	Thurst F	ILE PER CONTR	ACT			PREVIOUS	PREVIOUS BILLED	THIS APPLICATION	AMOUNT DUE THIS APPLICATION	TOTAL BILL	ED TO DATE
TASK	DESCRIPTION	UNIT	CONTRACT	UNIT BID PRICE	COST	UNITS	COST	UNITS	COST	UNITS	COST
TT											
SK IV	V: CONSTRUCTION OVERSIGHT										
TT	Construction Inspection								#0.00	0.0	\$0.00
+	Project Manager / Senior Engineer	HR	220	\$190.00	\$41,800.00		\$0.00		\$0.00	0.0	30.00
2	Construction Inspector								\$0.00	0.0	\$0.00
++	a Construction Inspection	HR	1600	\$116.00	\$185,600,00		\$0,00		\$0.00	0.0	\$0.00
+	b Office Work / AMLNET	HR	160.0	\$116.00	\$18,560.00		\$0.00			0.0	\$0.00
+	c Mileage	Mile	33000	\$0.70	\$23,100.00		\$0.00		\$0.00	0,0	\$0,00
+	d Per Diem	Day	200	\$50.00	\$10,000.00		\$0.00		\$0,00	0,0	30,00
+							\$0.00		\$0.00		
ASK V	: POST-CONSTRUCTION OVERSIGHT										
	FIELD VISITS / INSPECTIONS								\$0.00	0.0	\$0,00
1	Project Manager / Senior Engineer	HR	20	\$190.00	\$3,800.00		\$0.00		\$0.00	0.0	\$0.00
2	Construction Inspector	HR	24	\$116.00	\$2,784.00		\$0.00		\$0,00	0,0	\$0.00
3	Mileage	Mile	100	\$0.70	\$70.00		\$0.00		\$0,00	0.0	
$\top$										-	
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				-							
				SUBTOTAL PAGE 6 COST	\$285,714.00	SUBTOTAL PAGE 6 PREVIOUS	\$0.00	SUBTOTAL PAGE 6 THIS APPLICATION	\$0.00	SUBTOTAL PAGE 6 TO DATE	\$0.00
		and Decima	ge and Highwa	PROJECT TOTAL COST	\$642,266,00	PROJECT TOTAL PREVIOUS	\$0.00	PROJECT TOTAL THIS APPLICATION	\$0.00	PROJECT TOTAL TO DATE	

Purchase Order N	No.: CPO DEPxx*xx		CONTINUATIO	ON SHEET	OF APPLICATION	N AND CERT	ABANDONED MINE LA	MENT			
Contract Name: Commodity Line: Project Name:	2023 AML Contract S(4)					THE GRAND T	TOTALS HERE COULI COULD/SHOULD BE O	Application No.: D BE MADE A S N A SEPARATE "	EPARATE 'SHEET' SO	TYN CTIME ALL TO	K of X Pages ROJECT TOTAL
						<u> </u>		WORK	COMPLETED	TELEVISION CONTRACTOR	SD AS NEEDED
		SCHEDULE PER CONTI	RACT			PREVIOUS	PREVIOUS BILLED	THIS APPLICATION	AMOUNT DUE THIS APPLICATION	TOTAL BIL	LED TO DATE
TASK	DESCRIPTION	UNIT	CONTRACT QUANTITY	UNIT BID PRICE	UNIT BID PRICE	UNITS	COST	UNITS	COST	UNITS	COST
			0								
	5/2023)	CONTRACT NAME:	2023 AML Contract S(4)	Q14111D		GRAND TOTAL		GRAND TOTAL		GRAND TOTAL	

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	WEST	VIRGINI/	DEPARTMENT	OF ENVIRONM	ENTAL PROTECTION	AND CEPT	BANDONED MINE LA	MENT	331014		
			ONTINUATION	ON SHEET O	F APPLICATION	AND CERT	FICATE FOR PAY	Application No.:		Page 2 of	6 Pages
rchase	Order No.: CPO DEPxx*xx							Application (vo.			
ntract	Name: 2023 AML Contract S(4)										
	ity Line: 7							WORK	COMPLETED		
oject N	ame: Belcher Hollow Auger Holes SCHEDULE P	ER CONTI	RACT			PREVIOUS	PREVIOUS BILLED	THIS APPLICATION	AMOUNT DUE THIS APPLICATION	TOTAL BILLE	D TO DATE
TASK	DESCRIPTION	UNIT	CONTRACT	UNIT BID PRICE	COST	UNITS	COST	UNITS	COST	UNITS	COST
П											
ASK I:	NEPA & ESA										
T	Agency Coordinations (including Office Work, AMLNET, etc.										\$0.00
11	Project Manager / Senior Engineer	HR	24	\$185.00	\$4,440.00		\$0.00		\$0.00	0.0	\$0.00
2	Engineer / Technical Scientist	HR	24	5120.00	\$2,880.00		\$0.00		\$0.00	0.0	\$0.00
3	Environmental Technician II	HR	24	\$90.00	\$2,160.00		\$0.00		\$0,00	0.0	\$0.00
4	Planning / Technical Specialist	HR	16	\$110.00	\$1,760.00		\$0.00		\$0,00	0.0	\$0.00
5	Per Diem	Day	0	\$50.00	\$0.00		00.02		\$0,00	0.0	\$0,00
++											
11	Public Involvement (including Legal Ads. Public Hearings, Doo	uments, Pre	sentations, WVDEP	s Website, etc.)							#0.00
++	Project Manager / Senior Engineer	HR	10	\$185.00	\$1,850.00		\$0.00		\$0.00	0.0	\$0.00
2	Engineer / Technical Scientist	HR	0	\$120,00	\$0.00		\$0.00		\$0.00	0.0	\$0.00
3	Environmental Technician II	HR	0	\$90.00	\$0.00		\$0.00		\$0.00	0.0	\$0.00
4	Planning / Technical Specialist	HR	0	\$110.00	\$0.00		\$0.00		\$0.00	0.0	\$0.00
5	CADD Technician	HR	0	\$115.00	\$0.00		\$0.00		\$0,00	0,0	\$0.00
+++	CADD Toolinoida										
	Studies, Surveys & Mitigation Plans (as applicable) [Bat Habit	te Survey. \	Water Sampling (1 re	ound), Wetland/Strea	nn Deliniation & Report]						***
	Project Manager / Senior Engineer	HR	20	\$185.00	\$3,700.00		\$0,00		\$0.00	0.0	\$0.00
2	Engineer / Technical Scientist	HR	100	\$120.00	\$12,000.00		\$0.00		\$0.00	0.0	\$0.00
3	Environmental Technician II	HR	100	\$90,00	\$9,000.00		\$0.00		\$0.00	0.0	\$0.00
1	Planning / Technical Specialist	HR	16	\$110.00	\$1,760.00		\$0.00		\$0.00	0.0	\$0.00
5	Mileage	Mile	600	\$0.70	\$420.00		\$0.00		\$0.00	0.0	\$0.00
6	Per Diem	Day	2	\$50.00	\$100.00		\$0.00				
10	A V COVID										
	CATEX / EA / FONSI / EIS										60.22
1	Project Manager / Senior Engineer	HR	16	\$185.00	\$2,960,00		\$0.00		\$0.00	0.0	\$0.00
2	Engineer / Technical Scientist	HR	24	\$120.00	\$2,880.00		\$0.00		\$0.00	0.0	\$0.00
3	Environmental Technician II	HR	24	\$90.00	\$2,160.00		\$0.00		\$0.00	0.0	\$0.00
4	Planning / Technical Specialist	HR	10	\$110.00	\$1,100.00		\$0,00		\$0.00	0.0	\$0.00
- 5	Per Diem	Day	0	\$50.00	\$0.00		\$0.00		\$0.00	0.0	\$0.00
+-	A DI ASSAIL										
				SUBTOTAL PAGE 2 COST	\$49,170.00	SUBTOTAL PAGE 2 PREVIOUS	\$0.00	SUBTOTAL PAGE 2 THIS APPLICATION	\$0,00	SUBTOTAL PAGE 2 TO DATE	\$0.00

	se Order No.: CPO DEPxx*xx			- DI CALLES	MAILDICAIN	JN AND CERT	IFICATE FOR PA				
	et Name: 2023 AML Contract S(4)							Application No.:	1	Page 3	of 6 Pages
	dity Line: 7					-					
roject	Name: Belcher Hollow Auger Holes							WADI	COMPLETED		
	SCHEDUI	E PER CONTI	RACT								
_						PREVIOUS	PREVIOUS BILLED	THIS APPLICATION	AMOUNT DUE THIS APPLICATION	TOTAL BIL	LED TO DATE
TASE	DESCRIPTION	UNIT	CONTRACT QUANTITY	UNIT BID PRICE	COST	UNITS	COST	UNITS	COST	UNITS	COST
ASK I	II: REALTY										
A	Exploratory Rights of Entry (EROE)										
	Project Manager / Senior Engineer										
2	Realty Agent	HR	10	\$190,00	\$1,900.00		\$0.00		\$0,00	0,0	#0.00
1	a Courthouse Work				\$0,00				40,00	0,0	\$0.00
+	b Field Reconnaisance / Landowner Correspondence	HR	6	\$175.00	\$1,050.00		\$0.00		\$0.00	0.0	f0.00
+	c Office Work / AMLNET	HR	10	\$175.00	\$1,750.00		\$0.00		\$0.00	0.0	\$0.00
3	Mileage	HR	4	\$175.00	\$700,00		\$0.00		\$0.00	0,0	\$0.00
4	Per Diem	Mile	468	\$0.70	\$327,60		\$0,00		\$0.00		\$0.00
+"	rer Diem	Day	1	\$50.00	\$50.00		\$0.00		\$0.00	0.0	\$0.00
3	Construction Bills Construction								30,00	0.0	\$0,00
1	Construction Rights of Entry (CROE)										
2	Project Manager / Senior Engineer	HR	10	\$190.00	\$1,900.00		\$0.00		\$0.00		
$\rightarrow$	Realty Agent								\$0.00	0,0	\$0.00
	a Courthouse Work	HR	4	\$175,00	\$700,00		\$0.00		\$0.00		
	b Field Reconnaisance / Landowner Correspondence	HR	10	\$175.00	\$1,750.00		\$0.00			0.0	\$0.00
	c Office Work / AMLNET	HR	2	\$175.00	\$350.00		\$0.00		\$0.00	0.0	\$0.00
3	Mileage	Mile	468	\$0.70	\$327.60		\$0,00		\$0.00	0,0	\$0.00
4	Per Diem	Day	1	\$50.00	\$50.00		\$0,00		\$0.00	0,0	\$0.00
+							φ0,00		\$0.00	0.0	\$0.00
	Pre-Bid Conference										
1	Realty Agent	HR	8	\$175.00	\$1,400.00		\$0,00				
2	Mileage	Mile	234	\$0.70	\$163,80		\$0.00		\$0.00	0.0	\$0.00
							90.00		\$0,00	0.0	\$0.00
1	Pre-Construction Conference										
1	Realty Agent	HR	8	\$175,00	\$1,400,00		\$0.00				
2	Mileage	Mile	230	\$0.70	\$161.00		\$0.00		\$0.00	0,0	\$0,00
$\Box$							\$0.00		\$0.00	0,0	\$0.00
$\perp$											
						1					
ML-7A (	A (Revised 7/5/2023)			SUBTOTAL PAGE 3 COST	\$13,980.00	SUBTOTAL PAGE 3 PREVIOUS	\$0,00	SUBTOTAL PAGE 3 THIS	\$0.00	SUBTOTAL PAGE 3 TO DATE	\$0,00

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rchas	e O	rder No.: CPO DEPxx*xx							Application No.:	1	Page 4 o	f 6 Pages
ontrac												
ommo	dity								WORK	COMPLETED		
roject i	Nan	ne: Belcher Hollow Auger Holes					-		THIS	AMOUNT DUE THIS		TO DAT
		SCHEDULE I	PER CONTE	RACT			PREVIOUS	PREVIOUS BILLED	APPLICATION	APPLICATION	TOTAL BILLE	ED TO DATE
TASK		DESCRIPTION	UNIT	CONTRACT QUANTITY	UNIT BID PRICE	UNIT BID PRICE	UNITS	COST	UNITS	COST	UNITS	COST
П												
ASK I	III:	DESIGN					-					
		SITE RECONNAISSANCE AND INVESTIGATIONS								\$0.00	0.0	\$0.00
1		Senior Project Manager	HR	8	\$275.00	\$2,200.00		\$0.00		\$0.00	0,0	\$0.00
2		Project Manager	HR	31	\$190.00	\$5,890.00	-	\$0.00		\$0.00	0.0	\$0.00
3		Mileage	Mile	160	\$0.70	\$112.00		\$0.00		\$0.00	0.0	\$0.00
4		Per Diem	Day	1	\$50.00	\$50.00		\$0,00	-	\$0.00	0,0	90,00
$\Box$							-				_	
В		SURVEYING & MAPPING					1			<b>PD</b> 00	0.0	\$0.00
11		Project Manager / Senior Engineer	HR	30	\$190.00	\$5,700.00		\$0,00		\$0.00	0.0	\$0.00
2		Staff Engineer	HR	0	\$115.00	\$0.00		\$0.00		\$0.00	0.0	\$0,00
3		Professional Surveyor / Chief Surveyor	HR	5	\$145.00	\$725.00		\$0.00		\$0.00	0.0	\$0.00
4		Survey Crew	HR	30	\$95.00	\$2,850.00		\$0,00		\$0.00	0.0	\$0.00
5	-	Senior Technician	HR	20	\$110.00	\$2,200.00		\$0,00		\$0.00		\$0.00
6		Topographic, Planimetric and Check Surveying	Acre	20	\$250.00	\$5,000,00		\$0,00		\$0.00	0.0	\$0.00
7		Mileage	Mile	360	\$0.70	\$252.00		\$0.00		\$0.00	0.0	\$0.00
8		Per Diem	Day	2	\$50.00	\$100.00		\$0.00		\$0.00	0.0	30.00
+		GEOTECHNICAL INVESTIGATION	_		1							
1	-	Project Manager / Senior Engineer	HR	34	\$210.00	\$7,140.00		\$0.00		\$0.00	0.0	\$0.00
2		Geotechnical Engineer/Geologist	HR	36	\$185.00	\$6,660.00		\$0.00		\$0.00	0.0	\$0,00
3	$\vdash$	Mobilization / Demobilization	LS	1	\$3,500.00	\$3,500.00		\$0.00		\$0.00	0.0	\$0.00
4		Soil Augering	LF	615	\$32.00	\$19,680.00		\$0.00		\$0.00	0.0	\$0.00
5	-	Rock Coring	LF	930	\$70,00	\$65,100.00		\$0.00		\$0.00	0.0	\$0.00
6	-	Heavy Equipment	HR	80	\$190.00	\$15,200.00		\$0.00		\$0.00	0,0	\$0.00
7	-	Piezometer Installation	LF	400	\$25.00	\$10,000.00		\$0.00		\$0.00	0,0	\$0.00
8	-	Drill Crew Per Diem	Day	22	\$370.00	\$8,140.00		\$0.00		\$0.00	0,0	\$0.00
9	-	Reclamation	LS	1	\$5,000.00	\$5,000.00		\$0.00		\$0.00	0,0	\$0.00
10	+	Geotechnical Investigation Report	LS	1	\$10,500.00	\$10,500.00		\$0.00		\$0.00	0,0	\$0.00
11	-	Mileage	Mile	200	\$0.70	\$140.00		\$0.00		\$0.00	0.0	\$0.00
12	-	Per Diem	Day	1	\$50.00	\$50.00		\$0,00		\$0.00	0,0	\$0.0
Ť							SUBTOTAL		SUBTOTAL			
		evised 7/5/2023)			SUBTOTAL PAGE 4 COST	\$176,189.00	PAGE 4 PREVIOUS	\$0.00	PAGE 4 THIS APPLICATION	\$0.00	SUBTOTAL PAGE 4 TO DATE	\$0.00

	e Order No.: CPO DEPxx*xx						IFICATE FOR PA				
	t Name: 2023 AML Contract S(4) dity Line: 7							Application No.:		Page 5	of 6 Pages
roject											
,	Descript Honor Auger Hores							WORK	COMPLETED		
		DULE PER CONTI				PREVIOUS	PREVIOUS BILLED	THIS APPLICATION	AMOUNT DUE THIS APPLICATION	TOTAL BILL	ED TO DATE
TASK	DESCRIPTION	UNIT	CONTRACT QUANTITY	UNIT BID PRICE	COST	UNITS	COST	UNITS	COST	UNITS	COST
ASK I	II: DESIGN (CONTINUED)										
	ANALYSIS AND DESIGN										
1	Senior Project Manager										
2	Project Manager	HR	8	\$190.00	\$1,520.00		\$0.00		\$0,00	0.0	\$0,00
3	Enviornmental Specialist	HR	40	\$185.00	\$7,400.00		\$0.00		\$0.00	0.0	\$0.00
4	Staff Engineer	HR	4	\$120.00	\$480.00		\$0.00		\$0.00	0.0	\$0.00
5	CADD Technician	HR	40	\$115.00	\$4,600.00		\$0.00		\$0.00	0.0	\$0,00
+++	- Comment	HR	40	\$115.00	\$4,600.00		\$0.00		\$0.00	0,0	\$0,00
+	PREPARATION OF PLANS, SPECIFICATIONS A	ND PNGD		1							20,00
1	Senior Project Manager										
2	Project Manager	HR	8	\$190,00	\$1,520.00		\$0.00		\$0,00	0.0	\$0.00
3	Enviornmental Specialist	HR	100	\$185.00	\$18,500.00		\$0.00		\$0.00	0.0	\$0.00
4	Staff Engineer	HR	8	\$120.00	\$960.00		\$0,00		\$0.00	0.0	\$0.00
5	CADD Technician	HR	184	\$115.00	\$21,160.00		\$0,00		\$0.00	0.0	
1	CADD Technician	HR	184	\$115,00	\$21,160.00		\$0,00		\$0.00	0.0	\$0.00
+	BEDREUTER DISPUSA									0.0	\$0.00
1	PERMITTING [NPDES]										
2	Project Manager / Senior Engineer Staff Engineer	HR	10	\$190.00	\$1,900,00		\$0.00		\$0.00	0.0	\$0.00
3		HR	40	\$115.00	\$4,600.00		\$0.00		\$0.00	0.0	\$0.00
4	Mileage	Mile	0	\$0.70	\$0.00		\$0.00		\$0,00	0.0	\$0.00
4	CADD Technician	HR	30	\$115.00	\$3,450,00		\$0.00		\$0.00	0,0	\$0.00
H	DDE DID COMPENSAGE								ψ0,00	0,0	\$0.00
+	PRE-BID CONFERENCE										
2	Project Manager / Senior Engineer Mileage	HR	8	\$190.00	\$1,520.00		\$0.00		\$0.00	0.0	PO 00
3		Mile	180	\$0.70	\$126.00		\$0.00		\$0.00	0.0	\$0.00
1,	Per Diem	Day	1	\$50,00	\$50,00		\$0.00		\$0.00	0.0	\$0.00
$\forall$	DDF CONCEDITION CONTENTS								40.00	0.0	\$0.00
1	Project Manager / Senior Engineer										
2	Project Manager / Senior Engineer	HR	8	\$190.00	\$1,520.00		\$0.00		\$0.00	0,0	\$0.00
3	Construction Inspector Mileage	HR	8	\$116.00	\$928.00		\$0,00		\$0.00	0.0	\$0.00
+++	TATILGERG	Mile	180	\$0.70	\$126,00		\$0.00		\$0.00	0,0	\$0.00
Ш.										0,0	\$0,00
IL-7A (	Revised 7/5/2023)			SUBTOTAL PAGE 5 COST	\$96,120.00	SUBTOTAL PAGE 5 PREVIOUS	\$0,00	SUBTOTAL PAGE 5 THIS APPLICATION	\$0,00	SUBTOTAL PAGE 5 TO DATE	\$0,00

		C	ONTINUATION	ON SHEET O	F APPLICATION	AND CERT	BANDONED MINE LAN	MENT			
archase	e Order No.: CPO DEPxx*xx							Application No.: 1		Page 6	of 6 Pages
ontract	Name: 2023 AML Contract S(4)										
	lity Line: 7							WORK	COMPLETED		
roject N	Name: Beicher Hollow Auger Holes							THIS	AMOUNT DUE THIS		
	SCH	EDULE PER CONTI	RACT			PREVIOUS	PREVIOUS BILLED	APPLICATION	APPLICATION	TOTAL BILL	ED TO DATE
TASK	DESCRIPTION	UNIT	CONTRACT QUANTITY	UNIT BID PRICE	COST	UNITS	COST	UNITS	COST	UNITS	COST
SK I	V: CONSTRUCTION OVERSIGHT										
	Construction Inspection		156	6100.00	\$28,500.00		\$0.00		\$0.00	0,0	\$0.00
1	Project Manager / Senior Engineer	HR	150	\$190.00	\$28,300.00		\$0.00		••••		
2	Construction Inspector			B114 00	\$180,960.00		\$0.00		\$0.00	0.0	\$0.00
-	a Construction Inspection	HR	1560	\$116.00			\$0.00		\$0.00	0.0	\$0.00
-	b Office Work / AMLNET	HR	156	\$116.00	\$18,096.00		\$0.00		\$0.00	0,0	\$0.00
-	c Mileage	Mile	24380	\$0.70	\$17,066.00		\$0.00		\$0.00	0,0	\$0.00
$\vdash$	d Per Diem	Day	195	\$50,00	\$9,750,00		30.00		50.00		
ASK V	: POST-CONSTRUCTION OVERSIGHT										
I = I	FIELD VISITS / INSPECTIONS								\$0.00	0.0	\$0.00
1	Project Manager / Senior Engineer	HR	20	\$190.00	\$3,800.00		\$0.00		\$0.00	0.0	\$0.00
2	Construction Inspector	HR	24	\$116.00	\$2,784.00		\$0.00		\$0.00	0,0	\$0.00
3	Mileage	Mile	100	\$0.70	\$70.00		\$0.00		\$0.00	0.0	\$0.00
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$\Box$											
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$\Box$											
+						Overmon 1.		SUBTOTAL			
				SUBTOTAL PAGE 6 COST	\$261,026.00	SUBTOTAL PAGE 6 PREVIOUS	\$0.00	PAGE 6 THIS APPLICATION	\$0.00	SUBTOTAL PAGE 6 TO DATE	\$0,00
			ow Auger Holes	PROJECT TOTAL COST	\$596,485,00	PROJECT TOTAL PREVIOUS	\$0.00	PROJECT TOTAL THIS APPLICATION	\$0.0	PROJECT TOTAL TO DATE	

TASK	DESCRIPTION			CONTRACT QUANTITY	UNIT BID PRICE	UNIT BID PRICE	PREVIOUS	PREVIOUS BILLED  COST	THIS APPLICATION UNITS	AMOUNT DUE THIS APPLICATION COST	TOTAL BIL	LED TO DATE
		SCHEDULE PER	CONTRA	CT					WURK	COMPLETED		
	N/A						EACH PROJEC	FOTALS HERE COUL F COULD/SHOULD BE C	IN A SEPARATE	SHEET', AND PAGE NUI	) TO SUM ALL P MBERS CORRECTE	ROJECT TOTA D AS NEEDED
Contract Name: Commodity Line:	2023 AML Contract S(4) N/A						THE GRAND	TOTALS HERE COLL	Application No.:	I EDAD LONG LONG CO.	Page >	of X Pages
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urchase	e Order No.: CPO DEPxx*xx							Application No.: 1		1 age 2 00	O Lages
	t Name: 2023 AML Contract S(4)					-					
ommoc	dity Line: 8							WORK	COMPLETED		
roject ľ	Name: Guyan River Refuse							THIS	AMOUNT DUE THIS	TOTAL BILLE	D TO DATE
	SCHEDU	LE PER CONTE	ACT			PREVIOUS	PREVIOUS BILLED	APPLICATION	APPLICATION	TOTAL BILLE	D TO DATE
TASK	DESCRIPTION	UNIT	CONTRACT	UNIT BID PRICE	COST	UNITS	COST	UNITS	COST	UNITS	COST
TT						-					
ASK 1:	: NEPA & ESA					4					
	Agency Coordinations (including Office Work, AMLNET	, etc.)					\$0.00		\$0,00	0.0	\$0.00
11	Project Manager / Senior Engineer	HR	14	\$185.00	\$2,590.00				\$0.00	0.0	\$0.00
2	Engineer / Technical Scientist	HR	15	\$120.00	\$1,800.00		\$0.00		\$0.00	0.0	\$0.00
3	Environmental Technician II	HR	15	\$90.00	\$1,350.00	-	\$0.00	-	\$0.00	0.0	\$0.00
4		HR	10	\$110.00	\$1,100.00	-	\$0.00	-	\$0.00	0.0	\$0.00
5	Per Diem	Day	0	\$50.00	\$0.00		\$0.00		30.00	V.0	
+											
в	Public Involvement (including Legal Ads, Public Hearings	, Documents, Pres	sentations, WVDEP'	s Website, etc.)			40.00		\$0.00	0,0	\$0.00
	Project Manager / Senior Engineer	HR	10	\$185.00	\$1,850.00		\$0.00	-	\$0.00	0,0	\$0,00
2	Engineer / Technical Scientist	HR	0	\$120.00	\$0.00		\$0.00		\$0.00	0.0	\$0.00
3	Environmental Technician II	HR	0	\$90.00	\$0.00		\$0,00		\$0.00	0,0	\$0.00
4	Planning / Technical Specialist	HR	0	\$110.00	\$0.00		\$0.00	-	\$0.00	0,0	\$0,00
5	Per Diem	Day	0	\$50.00	\$0.00		\$0,00		\$0.00	+ · · · · ·	
+								-			
c	Studies, Surveys & Mitigation Plans (as applicable) [Wat	er Sampling (1 rou	ind), Wetland/Stream	n Deliniation & Repo	rt]		** **		\$0.00	0.0	\$0.00
1	Project Manager / Senior Engineer	HR	26	\$185.00	\$4,810.00		\$0.00	-	\$0.00	0.0	\$0.00
2	Engineer / Technical Scientist	HR	47	\$120,00	\$5,640.00		\$0.00	-	\$0.00	0.0	\$0,00
3	Environmental Technician II	HR	27	\$90.00	\$2,430.00		\$0.00		\$0,00		
4	Planning / Technical Specialist	HR	8	\$110.00	\$880.00		** **	-	\$0.00	0.0	\$0.00
5	Mileage	Mile	600	\$0.70	\$420.00		\$0.00	1	\$0.00	0.0	\$0.00
6	Per Diem	Day	2	\$50.00	\$100.00		\$0.00	-	\$0.00	- V	
С	CATEX / EA / FONSI / EIS						****	-	\$0.00	0,0	\$0.00
1	Project Manager / Senior Engineer	HR	12	\$185.00	\$2,220.00		\$0.00		\$0.00	0.0	\$0.00
2	Engineer / Technical Scientist	HR	16	\$120.00	\$1,920.00		\$0.00	-	\$0.00	0.0	\$0.00
3	Environmental Technician II	HR	16	\$90.00	\$1,440.00		\$0.00	-	\$0.00	0.0	\$0.00
4	Planning / Technical Specialist	HR	8	\$110.00	\$880,00		\$0.00		\$0.00	0.0	\$0.00
5	Per Diem	Day	0	\$50.00	\$0.00		\$0.00	-	φυ.υυ	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	4
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				SUBTOTAL PAGE 2 COST	\$29,430,00	SUBTOTAL PAGE 2	\$0.00	SUBTOTAL PAGE 2 THIS APPLICATION	\$0.00	SUBTOTAL PAGE 2 TO DATE	\$0.00

	e Order No.: CPO DEPxx*xx						IFICATE FOR PA				
	t Name: 2023 AML Contract S(4)							Application No.:	1	Page 3	of 6 Pages
	lity Line: 8										
roject l	Name: Guyan River Refuse							WORK	COMPLETED		
	SCHEDUI	E PER CONT	RACT			President		THIS	AMOUNT DUE THIS		
_						PREVIOUS	PREVIOUS BILLED	APPLICATION	APPLICATION	TOTAL BIL	LED TO DATI
TASK	DESCRIPTION	UNIT	CONTRACT QUANTITY	UNIT BID PRICE	COST	UNITS	COST	UNITS	COST	UNITS	COST
										UIII	C031
	: REALTY										
1	Exploratory Rights of Entry (EROE)										
1	Project Manager / Senior Engineer	HR	20	\$190.00	\$3,800,00		\$0,00	-			
2	Realty Agent						30,00		\$0,00	0.0	\$0.00
	a Courthouse Work	HR	10	\$175.00	\$1,750.00		\$0.00				
-	Field Reconnaisance / Landowner Correspondence	HR	20	\$175.00	\$3,500.00		\$0.00		\$0.00	0.0	\$0.00
	c Office Work / AMLNET	HR	6	\$175.00	\$1,050.00		\$0.00		\$0.00	0.0	\$0.00
3	Mileage	Mile	480	\$0.70	\$336,00		\$0.00		\$0.00	0.0	\$0,00
4	Per Diem	Day	1	\$50,00	\$50.00				\$0.00	0.0	\$0,00
$\perp$					******		\$0.00		\$0.00	0,0	\$0.00
1	Construction Rights of Entry (CROE)					_					
1	Project Manager / Senior Engineer	HR	10	\$190.00	\$1,900.00		<b>#0.00</b>				
2	Realty Agent				77,500,00		\$0.00		\$0,00	0.0	\$0.00
	Courthouse Work	HR	6	\$175.00	\$1,050.00		\$0.00				
	Field Reconnaisance / Landowner Correspondence	HR	20	\$175.00	\$3,500.00				\$0.00	0.0	\$0,00
	Office Work / AMLNET	HR	6	\$175.00	\$1,050.00		\$0.00		\$0.00	0.0	\$0.00
3	Mileage	Mile	480	\$0.70	\$336,00		\$0.00		\$0,00	0.0	\$0.00
4	Per Diem	Day	1	\$50,00	\$50,00		\$0.00		\$0.00	0.0	\$0,00
					000.00		\$0.00		\$0.00	0.0	\$0.00
	Pre-Bid Conference										
1	Realty Agent	HR	8	\$175.00	\$1,400.00		<b>#0.00</b>				
2	Mileage	Mile	240	\$0,70	\$168,00		\$0.00		\$0,00	0.0	\$0.00
				1	4100,00		\$0,00		\$0.00	0.0	\$0.00
	Pre-Construction Conference										
1	Realty Agent	HR	8	\$175.00	\$1,400.00						
2	Mileage	Mile	240	\$0.70	\$1,400.00		\$0.00		\$0.00	0.0	\$0.00
				-	\$100,00	+	\$0.00		\$0.00	0.0	\$0.00
Ш				<del>                                     </del>							
						1					
O -74 O	Revised 7/5/2023)			SUBTOTAL PAGE 3 COST	\$21,508.00	SUBTOTAL PAGE 3	\$0.00	SUBTOTAL PAGE 3 THIS	\$0,00	SUBTOTAL	\$0.00

			C	ONTINUATIO	ON SHEET C	F APPLICATION	AND CERT	BANDONED MINE LA	MENT			
rchase	e Or	der No.: CPO DEPxx*xx							Application No.:	1	Page 4 o	f 6 Pages
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roject N	Nam	e: Guyan River Refuse					-		THIS	AMOUNT DUE THIS		
		SCHEDULE F	ER CONTE	RACT			PREVIOUS	PREVIOUS BILLED	APPLICATION	APPLICATION	TOTAL BILLI	ED TO DATE
TASK		DESCRIPTION	UNIT	CONTRACT QUANTITY	UNIT BID PRICE	UNIT BID PRICE	UNITS	COST	UNITS	COST	UNITS	COST
TT							-					
ASK II	II: 3	DESIGN			-							
	- 1	SITE RECONNAISSANCE AND INVESTIGATIONS					-	60.00		\$0.00	0,0	\$0,00
1.		Senior Project Manager	HR	3	\$275.00	\$825.00		\$0.00		\$0.00	0,0	\$0.00
2		Project Manager	HR	30	\$190.00	\$5,700,00		\$0.00		\$0.00	0.0	\$0.00
3		Mileage	Mile	240	\$0.70	\$168,00		\$0.00	-	\$0.00	0.0	\$0.00
4		Per Diem	Day	1	\$50,00	\$50.00		\$0.00		\$0.00	0.0	40,00
$\top$												
В		SURVEYING & MAPPING						to oo		\$0.00	0,0	\$0.00
11		Project Manager / Senior Engineer	HR	20	\$190.00	\$3,800.00		\$0.00		\$0.00	0.0	\$0.00
2		Staff Engineer	HR	20	\$115.00	\$2,300.00		\$0.00		\$0.00	0.0	\$0.00
3		Professional Surveyor / Chief Surveyor	HR	2	\$145.00	\$290,00		\$0.00		\$0.00	0.0	\$0.00
4		Survey Crew	HR	20	\$95.00	\$1,900.00		\$0,00	-	\$0.00	0.0	\$0.00
5		Senior Technician	HR	1	\$110.00	\$110.00		\$0,00		\$0.00	0.0	\$0.00
6		Topographic, Planimetric and Check Surveying	Acre	10	\$250,00	\$2,500.00		\$0.00		\$0,00	0.0	\$0.00
7		Mileage	Mile	240	\$0.70	\$168.00		\$0.00		\$0.00	0.0	\$0.00
8		Per Diem	Day	111	\$50.00	\$50.00		\$0.00		30,00	0.0	\$0.00
									-			
c		GEOTECHNICAL INVESTIGATION						40.00		\$0.00	0,0	\$0.00
1		Project Manager / Senior Engineer	HR	20	\$210.00	\$4,200.00		\$0.00		\$0.00	0,0	\$0,00
2		Geotechnical Engineer/Geologist	HR	14	\$185.00	\$2,590,00	-	\$0.00		\$0.00	0.0	\$0.00
3		Mobilization / Demobilization	LS	1	\$3,500.00	\$3,500.00		\$0.00	-	\$0,00	0.0	\$0.00
4		Soil Augering	LF	400	\$32.00	\$12,800.00	-	\$0.00		\$0,00	0.0	\$0.00
5		Rock Coring	LF	0	\$50.00	\$0,00		\$0.00	_	\$0.00	0.0	\$0.00
6		Heavy Equipment	HR	40	\$190.00	\$7,600.00		\$0.00	-	\$0.00	0.0	\$0,00
7		Piezometer Installation	LF	0	\$0.00	\$0.00		\$0.00		\$0.00	0.0	\$0.00
8		Drill Crew Per Diem	Day	8	\$370.00	\$2,960.00		\$0.00		\$0.00	0.0	\$0.00
9		Reclamation	LS	1	\$4,000.00	54,000.00	_	\$0.00		\$0.00	0.0	\$0.00
10		Geotechnical Investigation Report	LS	0	\$0.00	\$0.00		\$0.00		\$0.00	0.0	\$0.00
11		Mileage	Mile	200	\$0.70	\$140.00	-	\$0.00	-	\$0,00	0.0	\$0.00
12		Per Diem	Day	0	\$50.00	\$0.00	1	\$0.00		\$0,00	0.0	ψ0,00
					SUBTOTAL PAGE 4 COST	\$55,651.00	SUBTOTAL PAGE 4 PREVIOUS	\$0,00	SUBTOTAL PAGE 4 THIS APPLICATION	\$0.00	SUBTOTAL PAGE 4 TO DATE	\$0.00

	Order No.: CPO DEPxx*xx						IFICATE FOR PA				
ontract	Name: 2023 AML Contract S(4) ity Line: 8							Application No.:		Page	5 of 6 Pages
roject N											
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TI A CITZ		DULE PER CONT				PREVIOUS	PREVIOUS BILLED	THIS APPLICATION	AMOUNT DUE THIS APPLICATION	TOTAL BIL	LED TO DATE
TASK	DESCRIPTION	UNIT	CONTRACT QUANTITY	UNIT BID PRICE	COST	UNITS	COST	UNITS	COST	UNITS	COST
ASK III	: DESIGN (CONTINUED)										
T	ANALYSIS AND DESIGN									1	
1	Senior Project Manager	YYn									
2	Project Manager	HR	5	\$210.00	\$1,050.00		\$0.00		\$0,00	0,0	\$0.00
3	Enviornmental Specialist	HR	20	\$190.00	\$3,800,00		\$0.00		\$0,00	0.0	\$0.00
4	Staff Engineer	HR	2	\$120.00	\$240.00		\$0.00		\$0.00	0.0	\$0.00
5	CADD Technician	HR	20	\$115.00	\$2,300.00		\$0.00		\$0.00	0.0	
	T ASS. MIROSELL	HR	30	\$115.00	\$3,450.00		\$0.00		\$0.00	0.0	\$0.00
+	PREPARATION OF PLANS, SPECIFICATIONS	A NID ENGINEER								0,0	\$0.00
1	Senior Project Manager										
2	Project Manager	HR	8	\$210.00	\$1,680.00		\$0.00		\$0.00	0.0	#A AA
3	Enviornmental Specialist	HR	40	\$190.00	\$7,600.00		\$0.00		\$0.00	0.0	\$0.00
4	Staff Engineer	HR	2	\$120.00	\$240.00		\$0.00		\$0.00	0.0	\$0.00
5	CADD Technician	HR	80	\$115.00	\$9,200.00		\$0.00		\$0.00	0.0	\$0.00
Ť	O DO TECHNOLIS	FIR	80	\$115.00	\$9,200.00		\$0,00		\$0.00	0,0	\$0.00
1	PERMITTING   NPDES									0.0	\$0,00
1	Project Manager / Senior Engineer										
2	Engineer / Environmental Scientist	HR	15	\$190,00	\$2,850.00		\$0.00		\$0.00	0.0	\$0,00
3	Mileage	HR	30	\$115.00	\$3,450.00		\$0,00		\$0,00	0.0	\$0.00
4	CADD Technician	Mile	0	\$105.00	\$0.00		\$0.00		\$0.00	0.0	\$0.00
$\vdash$		HR	20	\$115.00	\$2,300.00		\$0,00		\$0.00	0,0	\$0.00
$\vdash$	PRE-BID CONFERENCE									,-	30,00
1	Project Manager / Senior Engineer	HR									
2	Mileage	Mile	8	\$190.00	\$1,520.00		\$0.00		\$0.00	0.0	\$0.00
3	Per Diem		240	\$0.70	\$168.00		\$0.00		\$0,00	0.0	\$0.00
		Day	1	\$50.00	\$50,00		\$0.00		\$0.00	0.0	\$0.00
	PRE-CONSTRUCTION CONFERENCE									0.0	30.00
1	Project Manager / Senior Engineer	HR	8	\$190.00	\$1,520.00	+	MO 00				
2	Construction Inspector	HR	8	\$116,00	\$928.00	+	\$0.00		\$0.00	0.0	\$0.00
3	Mileage	Mile	240	\$0,70	\$168.00	+	\$0.00		\$0.00	0.0	\$0.00
					Ψ100,00	+ +	\$0.00		\$0,00	0.0	\$0,00
L-7A (R	evised 7/5/2023)			SUBTOTAL PAGE 5 COST	\$51,714.00	SUBTOTAL PAGE 5 PREVIOUS	\$0.00	SUBTOTAL PAGE 5 THIS APPLICATION	\$0,00	SUBTOTAL PAGE 5 TO DATE	\$0,00

		WEST VIRGINIA	DEPARTMENT	OF ENVIRONMI	ENTAL PROTECTION	OFFICE OF A	BANDONED MINE LAY FICATE FOR PAY	NDS & RECLAMA MENT	ATION		
			UNTINUATIO	JN SHEET U	FAITLICATION	MAD CERTI	TOTAL CALLET	Application No.:		Page 6	of 6 Pages
	Order No.: CPO DEPxx*xx  Name: 2023 AML Contract S(4)										
ontract l											
oject Na	y Extre								COMPLETED		
0,000111		DULE PER CONTR	ACT			PREVIOUS	PREVIOUS BILLED	THIS APPLICATION	AMOUNT DUE THIS APPLICATION	TOTAL BIL	LED TO DATE
TASK	DESCRIPTION	UNIT	CONTRACT QUANTITY	UNIT BID PRICE	COST	UNITS	COST	UNITS	COST	UNITS	COST
TT											
SK IV	CONSTRUCTION OVERSIGHT										
T	Construction Inspection								\$0,00	0.0	\$0.00
1	Project Manager / Senior Engineer	HR	90	\$190.00	\$17,100.00		\$0,00		\$0.00	0,0	
2	Construction Inspector						00.00		\$0,00	0.0	\$0.00
a	Construction Inspection	HR	720	\$116.00	\$83,520.00		\$0.00		\$0.00	0.0	\$0.00
l l	Office Work / AMLNET	HR	90	\$116.00	\$10,440.00		\$0.00		\$0,00	0.0	\$0.00
	Mileage	Mile	480	\$0.70	\$336.00		\$0.00		\$0.00	0.0	\$0,00
0	Per Diem	Day	90	\$175.00	\$15,750.00		\$0,00		30.00	0.0	
$\vdash$											
SK V:	POST-CONSTRUCTION OVERSIGHT										
TT	FIELD VISITS / INSPECTIONS								\$0.00	0.0	\$0,00
11	Project Manager / Senior Engineer	HR	20	\$190,00	\$3,800.00		\$0.00		\$0.00	0.0	\$0.00
2	Construction Inspector	HR	24	\$116.00	\$2,784.00		\$0,00		\$0.00	0.0	\$0.00
3	Mileage	Mile	100	\$0.70	\$70.00		\$0.00		30,00	0.0	\$0,00
11											
П											
$\Box$											
11											
T											
				SUBTOTAL PAGE 6 COST	\$133,800.00	SUBTOTAL PAGE 6 PREVIOUS	\$0.00	SUBTOTAL PAGE 6 THIS APPLICATION	\$0.00	SUBTOTAL PAGE 6 TO DATE	\$0.00
MI -7A I	Revised 7/5/2023)	Guy	an River Refus	PROJECT TOTAL COST	\$292,103.00	PROJECT TOTAL PREVIOUS	\$0.00	PROJECT TOTAL THIS APPLICATION	\$0.00	PROJECT TOTAL TO DATE	

Purchase Order	No.: CPO DEPxx*xx		CONTINUATIO	ON SHEET	OF APPLICATION	N AND CERT	ABANDONED MINE LA	MENT	ATION		
Contract Name:	2023 AML Contract S(4)							Application No.:	1	Page 2	of X Pages
Commodity Line roject Name:						EACH PROJECT	TOTALS HERE COUL T COULD/SHOULD BE O	D BE MADE A S N A SEPARATE "	EPARATE 'SHEET' SO SHEET', AND PAGE NUN	TO SUM ALL P	ROJECT TOTAL
								WORK	COMPLETED		
		SCHEDULE PER CONTI	RACT			PREVIOUS	PREVIOUS BILLED	THIS APPLICATION	AMOUNT DUE THIS APPLICATION	TOTÁL BIL	LED TO DATE
TASK	DESCRIPTION	UNIT	CONTRACT QUANTITY	UNIT BID PRICE	UNIT BID PRICE	UNITS	COST	UNITS	COST	UNITS	COST
ML-7 (Revised 7/	(5/2023)	CONTRACT NAME:	2023 AML Contract S(4)	GRAND TOTAL COST	\$292,103.00	GRAND TOTAL PREVIOUS	\$0.00	GRAND TOTAL THIS APPLICATION	\$0.00	GRAND TOTAL TO DATE	

			UNTINUATI	ON SHEET O	F APPLICATION	AND CERT	IFICATE FOR PAY			Page 2 o	f & Dagge
ırchase	Order No.: CPO DEPxx*xx							Application No.: 1		rage 2 0	I O Fages
ontract											
	ity Line: 9  ame: Branchland - Hubball A							WORK	COMPLETED		
aject N	SCHEDULE	PER CONTI	RACT			PREVIOUS	PREVIOUS BILLED	THIS APPLICATION	AMOUNT DUE THIS APPLICATION	TOTAL BILLE	ED TO DATE
TASK	DESCRIPTION	UNIT	CONTRACT	UNIT BID PRICE	COST	UNITS	COST	UNITS	COST	UNITS	COST
TT											
ASK I:	NEPA & ESA										
TT	Agency Coordinations (including Office Work, AMLNET, etc.	.)									
11	Project Manager / Senior Engineer	HR	14	\$185.00	\$2,590,00		\$0.00		\$0.00	0,0	\$0.00
2	Engineer / Technical Scientist	HR	14	\$120.00	\$1,680.00		\$0.00		\$0.00	0,0	\$0.00
3	Environmental Technician II	HR	14	\$90.00	\$1,260.00		\$0.00		\$0.00	0.0	\$0.00
4	Planning / Technical Specialist	HR	10	\$110.00	\$1,100.00		\$0.00		\$0,00	0.0	\$0.00
5	Per Diem	Day	0	\$50.00	\$0.00		\$0.00		\$0.00	0.0	\$0.00
+	Public Involvement (including Legal Ads, Public Hearings, Do	cuments, Pre	sentations, WVDEP	s Website, etc.)							
11	Project Manager / Senior Engineer	HR	8	\$185.00	\$1,480.00		\$0.00		\$0.00	0.0	\$0,00
2	Engineer / Technical Scientist	HR	0	\$120.00	\$0.00		\$0.00		\$0.00	0.0	\$0.00
3	Environmental Technician II	HR	0	\$90.00	\$0.00		\$0.00		\$0.00	0.0	\$0,00
4	Planning / Technical Specialist	HR	0	\$110.00	\$0.00		\$0.00		\$0.00	0.0	\$0.00
5	Per Diem	Day	0	\$50.00	\$0.00		\$0.00		\$0.00	0.0	\$0.00
+	Studies, Surveys & Mitigation Plans (as applicable) [Bat Hab	tate Survey. V	Vater Sampling (1 ro	und), Wetland/Stre	am Deliniation & Report]						
	Project Manager / Senior Engineer	HR	30	\$185.00	\$5,550.00		\$0.00		\$0.00	0,0	\$0.00
2	Engineer / Technical Scientist	HR	58	\$120,00	\$6,960.00		\$0.00		\$0.00	0.0	\$0.00
3	Environmental Technician II	HR	47	\$90.00	\$4,230.00		\$0.00		\$0.00	0,0	\$0.00
4	Planning / Technical Specialist	HR	14	\$110.00	\$1,540.00						
5	Mileage	Mile	650	\$0.70	\$455.00		\$0.00		\$0.00	0.0	\$0.00
6	Per Diem	Day	2	\$50.00	\$100,00		\$0.00		\$0.00	0,0	\$0.00
	CATEX / EA / FONSI / EIS										
1	Project Manager / Senior Engineer	HR	16	\$185.00	\$2,960.00		\$0.00		\$0.00	0.0	\$0.00
2	Engineer / Technical Scientist	HR	25	\$120.00	\$3,000.00		\$0.00		\$0.00	0.0	\$0.00
3	Environmental Technician II	HR	25	\$90,00	\$2,250.00		\$0.00		\$0.00	0.0	\$0.00
4	Planning / Technical Specialist	HR	8	\$110.00	\$880.00		\$0.00		\$0.00	0.0	\$0.00
. 5	Per Diem	Day	0	\$50,00	\$0.00		\$0.00		\$0.00	0.0	\$0.00
				SUBTOTAL PAGE 2 COST	\$36,035.00	SUBTOTAL PAGE 2 PREVIOUS	\$0.00	SUBTOTAL PAGE 2 THIS APPLICATION	\$0.00	SUBTOTAL PAGE 2 TO DATE	\$0.00

	Order No.: CPO DEPxx*xx						IFICATE FOR PAY				
	Name: 2023 AML Contract S(4)							Application No.:	1	Page 3	of 6 Pages
roject l	lity Line: 9  Vame: Branchland - Hubball A										
roject i	Maine: Branchiand - Hubball A							WORK	COMPLETED		
	SCHEDUI	E PER CONT	RACT			PREVIOUS	DESTRUCTION OF THE PROPERTY OF	THIS	AMOUNT DUE THIS		
TO A COTA						PREVIOUS	PREVIOUS BILLED	APPLICATION	APPLICATION	TOTAL BIL	ED TO DATE
TASK	DESCRIPTION	UNIT	CONTRACT QUANTITY	UNIT BID PRICE	COST	UNITS	COST	UNITS	COST	UNITS	COST
ASK II	: REALTY										
T	Exploratory Rights of Entry (EROE)										
1	Project Manager / Senior Engineer										
2	Realty Agent	HR	5	\$190.00	\$950,00		\$0.00		\$0.00	0,0	PO 00
+	a Courthouse Work				\$0.00				40,00	0.0	\$0.00
	b Field Reconnaisance / Landowner Correspondence	HR	8	\$175.00	\$1,400,00		\$0.00		\$0.00	0.0	00.00
+	c Office Work / AMLNET	HR	10	\$175.00	\$1,750.00		\$0.00		\$0.00	0.0	\$0.00
3	Mileage 3 trips - possible difficult land owner	HR	4	\$175.00	\$700,00		\$0.00		\$0,00	0.0	\$0.00
4	Per Diem	Mile	470	\$0.70	\$329.00		\$0,00		\$0.00		\$0.00
++	T et Dietit	Day	0		\$0.00		\$0,00		\$0.00	0,0	\$0.00
+	Construction Bills Construction								30,00	0.0	\$0.00
1	Construction Rights of Entry (CROE)										
+++	Project Manager / Senior Engineer	HR	5	\$190.00	\$950.00		\$0.00		<b>\$0.00</b>		
2	Realty Agent								\$0.00	0,0	\$0.00
1 3		HR	4	\$175.00	\$700.00		\$0.00		do ao		
	Field Reconnaisance / Landowner Correspondence	HR	3	\$175.00	\$525.00		\$0.00		\$0.00	0,0	\$0.00
0		HR	2	\$175.00	\$350,00		\$0.00		\$0.00	0.0	\$0.00
3	Mileage	Mile	470	\$0.70	\$329.00		\$0.00		\$0.00	0.0	\$0.00
4	Per Diem	Day	1	\$50.00	\$50,00		\$0.00		\$0.00	0.0	\$0.00
-							30,00		\$0.00	0.0	\$0.00
	Pre-Bid Conference										
1	Realty Agent	HR	6	\$175.00	\$1,050.00		\$0.00				
2	Mileage	Mile	230	\$0.70	\$161.00		\$0.00		\$0,00	0.0	\$0.00
-							ΦV.VV		\$0.00	0.0	\$0.00
	Pre-Construction Conference										
1	Realty Agent	HR	6	\$175.00	\$1,050.00	1	\$0.00	-			
2	Mileage	Mile	230	\$0.70	\$161,00		\$0.00		\$0.00	0.0	\$0.00
1							30.00		\$0.00	0.0	\$0.00
1 -7 A (R	evised 7/5/2023)	•		SUBTOTAL PAGE 3 COST	\$10,455.00	SUBTOTAL PAGE 3	\$0,00	SUBTOTAL		SUBTOTAL	

	•			SUBTOTAL PAGE 4 COST	\$7,497.00	PAGE 4 PREVIOUS	\$0.00	PAGE 4 THIS APPLICATION	\$0.00	SUBTOTAL PAGE 4 TO DATE	\$0.00
$\forall$						SUBTOTAL		SUBTOTAL			
+	GEOTECHNICAL INVESTIGATION	No	t Required for this p	roject							
8	Per Diem	Duy									
7	Mileage Per Diem	Day	1	\$50.00	\$50.00		\$0,00		\$0,00	0.0	\$0.00
6		Mile	470	\$0.70	\$329 00		\$0,00		\$0.00	0.0	\$0,00
5	Topographic, Planimetric and Check Surveying	Acre	0	\$0.00	\$0.00		\$0.00		\$0.00	0,0	\$0.00
4	Survey Crew Senior Technician	HR	0	\$110.00	\$0.00		\$0.00		\$0.00	0,0	\$0.00
3	Professional Surveyor / Chief Surveyor	HR	10	\$95.00	\$950.00		\$0.00		\$0.00	0.0	\$0.00
2	Staff Engineer	HR	2	\$145.00	\$290.00		\$0.00		\$0.00	0.0	\$0.00
1	Project Manager / Senior Engineer	HR	0	\$115,00	\$0.00		\$0.00		\$0.00	0.0	\$0,00
$\vdash$	SURVEYING & MAPPING	HR	R	\$190.00	\$1,520,00		\$0.00		\$0.00	0.0	\$0.00
				+							
4	Per Diem	Day	1	\$50,00	9,50,00						
3	Mileage	Mile	240	\$50.00	\$50.00		\$0.00		\$0.00	0.0	\$0.00
2	Project Manager / Senior Engineer	HR	16	\$190.00 \$0.70	\$168.00		\$0.00		\$0.00	0,0	\$0.00
ı	Senior Project Manager	HR	4	\$275.00	\$3.040.00		\$0.00		\$0.00	0,0	\$0.00
	SITE RECONNAISSANCE AND INVESTIGATIONS	-		2275.00	\$1,100.00		\$0.00		\$0,00	0.0	\$0.00
SK II	I: DESIGN										
						-					
ASK	DESCRIPTION	UNIT	CONTRACT	UNIT BID PRICE	UNIT BID PRICE	UNITS	COST	UNITS	COST	UNITS	COST
	SCHEDULE F	ER CONTR	ACT			PREVIOUS	PREVIOUS BILLED	THIS APPLICATION	APPLICATION	TOTAL BILLE	
ject N									AMOUNT DUE THIS		
	ity Line: 9							WORK	COMPLETED		
	Order No.:         CPO DEPxx*xx           Name:         2023 AML Contract S(4)										
			ONTINUATI	OI GIIDEI C	F APPLICATION			Application No.:	1	Page 4 of	6 Pages

Pu	urchase Order No.: CPO DEPxx*xx		CONTINUA	TION SHEE	L OE V DDI IO	TION / OFFICE OF	ABANDONED MINE L	ANDS & RECT AN	(ATION)		
Co	ontract Name: 2023 AML Contract S(4)			- ZON BILLE	OF APPLICAT	ION AND CER	ABANDONED MINE L	YMENT	TATION		
	ommodity Line: 9							Application No.:			
Pro	oject Name: Branchland - Hubball A							pparention (40.:	1	Pag	ge 5 of 6 Pages
	SC	HEDULE PER CONT	RACT					WORK	COMPLETED		
T	TASK DESCRIPTION					PREVIOUS	PREVIOUS BILLED	THIS	AMOUNT DUE THE	·c	
	DESCRIPTION	UNIT	CONTRACT QUANTITY	- TAL DID	COST			APPLICATION	APPLICATION	TOTAL E	BILLED TO DATE
FAS	SK III: DESIGN (CONTINUED)		QUANTITY	PRICE	COST	UNITS	COST	UNITS	COST		
D	ANALYGIS AND								COST	UNITS	COST
-	AUALISIS AND DESIGN										
-	- Schlot Project Manager	HR	4	-							
-	Jean vermitailet	HR	2.5	\$210.00	\$840,00		\$0,00				
-	Enviorantental Specialist	HR		\$190.00	\$4,750.00		\$0.00		\$0.00	0.0	\$0.00
-	4 Staff Engineer	HR	20	\$120.00	\$480.00		\$0.00		\$0.00	0.0	\$0.00
+	5 CADD Technician	HR		\$115.00	\$2,300.00				\$0.00	0.0	\$0.00
+			20	\$115.00	\$2,300.00		\$0.00		\$0.00	0,0	\$0.00
	PREPARATION OF PLANS, SPECIFICATIONS  Senior Project Manager	S AND ENCERTERS					\$0.00		\$0.00	0,0	\$0.00
1	,									0,0	\$0.00
+-	2 Project Manager	HR	5	\$210,00	\$1,050,00						
3	3 Enviornmental Specialist	HR	40	\$190.00	\$7,600.00	-	\$0.00		\$0.00		
4	4 Staff Engineer	HR	0	\$120.00	\$0.00		\$0.00		\$0.00	0.0	\$0.00
5		HR	60	\$115.00	\$6,900.00		\$0.00		\$0.00	0.0	\$0.00
T		HR	50	\$115.00			\$0.00			0.0	\$0.00
T	PERMITTING [NPDES]				\$5,750.00		\$0.00		\$0.00	0.0	\$0.00
I	Project Manager / Senior Engineer								\$0.00	0.0	\$0.00
2	Engineer / Environmental Scientist	HR	8	\$190.00							
3	Mileage Scientist	HR	35	\$115.00	\$1,520.00		\$0,00				
4		Mile	0	\$0.70	\$4,025.00		\$0.00		\$0.00	0.0	\$0.00
	CADD Technician	HR	25	\$115.00	\$0.00		\$0.00		\$0.00	0.0	\$0.00
	PRE DID COMPANY			5115,00	\$2,875.00		\$0.00		\$0.00	0.0	\$0.00
1	PRE-BID CONFERENCE								\$0.00	0.0	\$0,00
2	Project Manager / Senior Engineer Mileage	HR	8	Floo on							40,00
3	1. Meage	Mile	460	\$190.00	\$1,520.00		\$0.00				
,	Per Diem	Day	1	\$0.70	\$322.00		\$0.00		\$0.00	0.0	\$0.00
-		2.0		\$50.00	\$50.00		\$0.00		\$0.00	0.0	
+	PRE-CONSTRUCTION CONFERENCE						40.00		\$0,00	0,0	\$0.00
4	Project Manager / Senior Engineer	HR									\$0,00
2	Construction Inspector	HR	8	\$190.00	\$1,520.00		00.00				
3	Mileage		- 8	\$116.00	\$928.00		\$0.00		\$0.00	00	
1		Mile	460	\$0.70	\$322.00		\$0.00		\$0.00	0.0	\$0.00
			- 1				\$0.00		\$0.00	0.0	\$0.00
-7A	(Revised 7/5/2023)			SUBTOTAL		SUBTOTAL			40.00	0.0	\$0.00
			[:	PAGE 5 COST	\$45,052,00	PAGE 5 PREVIOUS	20'00 I	SUBTOTAL PAGE 5 THIS PPLICATION	\$0,00	SUBTOTAL	

					NE DATE OF THE PARTY OF THE PAR	TAL PROTECTION /	OFFICE OF AE	BANDONED MINE LAN	NDS & RECLAMA	ATION		
	_	WE	ST VIRGINIA	DEPARTMENT (	OF ENVIRONMEN	APPLICATION A	ND CERTI	FICATE FOR PAY	MENT		Page 6 of 6	Pages
			C	JNTINUATIC	N SHEET OF				Application No.:			
rchas	e Ord	er No.: CPO DEPxx*xx										
	t Nan	ne: 2023 AML Contract S(4)							WORK	COMPLETED		
	dity L								THIS	AMOUNT DUE THIS	TOTAL BILLED	TO DATE
oject	Name		LE PER CONTR	ACT			PREVIOUS	PREVIOUS BILLED	APPLICATION	APPLICATION		COST
		SCHEDO	LE PER CONTIN		VALUE DID		***************************************	COST	UNITS	COST	UNITS	COST
	-	DESCRIPTION	UNIT	CONTRACT QUANTITY	UNIT BID PRICE	COST	UNITS					
TAS	Κ.	DESCRIPTION		QUANTITI								
T												
SK	IV: C	CONSTRUCTION OVERSIGHT						\$0.00		\$0.00	0.0	\$0.00
T		Construction Inspection	HR	30	\$190.00	\$5,700,00		\$0.00				mo 00
1		Project Manager / Senior Engineer	111/					\$0,00		\$0.00	0.0	\$0.00
2		Construction Inspector	HR	320	\$116.00	\$37,120.00		\$0.00		\$0.00	0,0	\$0.00
	a	Construction Inspection	HR	40	\$116,00	\$4,640.00		\$0.00		\$0.00	0.0	\$0.00
1	b	Office Work / AMLNET	Mile	2530	\$0.70	\$1,771.00		\$0.00		\$0.00	0.0	\$0,00
	c	Mileage	Day	40	\$50,00	\$2,000.00		\$0,00				
$\top$	d	Per Diem	Day									
_					-							
FASI	V: F	POST-CONSTRUCTION OVERSIGHT						\$0,00		\$0.00	0.0	\$0.00
A	10.0	FIELD VISITS / INSPECTIONS	HR	20	\$190.00	\$3,800,00		\$0,00		\$0.00	0.0	\$0.00
		Project Manager / Senior Engineer	HR	24	\$116.00	\$2,784.00	V	\$0,00		\$0.00	0,0	\$0.00
1	2	Construction Inspector	Mile	100	\$0.70	\$70.00		\$0,00	-			
1	3	Mileage	Ivine									
$\top$												
$\neg$									-			
1								-	-			
$\Box$				1					_			
$\Box$									_			
$\Box$	1			1					+			
	1			+					_			
				-					SUBTOTAL		SUBTOTAL	\$0.00
					SUBTOTAL		SUBTOTAL PAGE 6	\$0.00	PAGE 6 THIS		PAGE 6 TO DATE	
					PAGE 6 COST	\$57,885.00	PREVIOUS		APPLICATIO	N I		
							I BROTECT	1	PROJECT		PROJECT	_
					PROJECT		PROJECT TOTAL		TOTAL THE	\$0.	TOTAL TO DATE	\$
				chland - Hubbal		\$156,924.0		\$0	APPLICATIO			

D	Cho and		CONTINUATI	ON SHEET	OF APPLICATION	N AND CERT	ABANDONED MINE LA	MENT			
Contract Name: 2023 AML Contract S(4)  Commodity Line: N/A  Project Name: N/A  SCHEDULE PER CONTRACT  TASK DESCRIPTION UNIT CONTRACT UNIT BID UNIT						THE GRAND	FOTALS HERE COUL	Application No.:  D BE MADE A S	1 EPARATE 'SHEET' SC SHEET', AND PAGE NUN	TO SUM ALL P	K of X Pages ROJECT TOTAL
roject Name:	NA							WORK	COMPLETED	IDDIG CORRECT	ED AS NEEDED
		SCHEDULE PER CONTI	RACT			PREVIOUS	PREVIOUS BILLED	THIS APPLICATION	AMOUNT DUE THIS APPLICATION	TOTAL BIL	LED TO DATE
TASK	DESCRIPTION	UNIT	098	UNIT BID PRICE	UNIT BID PRICE	UNITS	COST	UNITS	COST	UNITS	COST
AML-7 (Revised 7/5	7/2023)	CONTRACT NAME:	2023 AML Contract S(4)		\$156,924.00	GRAND TOTAL PREVIOUS	\$0.00	GRAND TOTAL THIS APPLICATION	\$0.00	GRAND TOTAL TO DATE	\$0

			ONTHUATI	ON DILECT O	T (till Ellering	1	FICATE FOR PAY	Application No.:	1	Page 2 of	6 Pages
	Order No.: CPO DEPxx*xx					+					
ontract	Name: 2023 AML Contract S(4) ity Line: 10										
roject N	The state of the s							WORK	COMPLETED		
ojeter		E PER CONTI	ACT			PREVIOUS	PREVIOUS BILLED	THIS APPLICATION	AMOUNT DUE THIS APPLICATION	TOTAL BILLE	D TO DATE
TASK	DESCRIPTION	UNIT	CONTRACT	UNIT BID PRICE	COST	UNITS	COST	UNITS	COST	UNITS	COST
T								-			
ASK I:	NEPA & ESA					-					
	Agency Coordinations (including Office Work, AMLNET, a						#0.22		\$0.00	0.0	\$0.00
1	Project Manager / Senior Engineer	HR	24	\$185.00	\$4,440.00		\$0.00		\$0.00	0.0	\$0.00
2	Engineer / Technical Scientist	HR	18	\$120.00	\$2,160.00		\$0.00	-		0.0	\$0.00
3	Environmental Technician II	HR	18	\$90.00	\$1,620.00		\$0.00		\$0.00	0.0	\$0.00
4	Planning / Technical Specialist	HR	10	\$110,00	\$1,100.00		\$0.00		\$0.00	0.0	\$0.00
5	Per Diem	Day	0	\$50,00	\$0.00		\$0.00		\$0.00	0.0	\$0,00
3	Public Involvement (including Legal Ads. Public Hearings. I	Documents, Pres	sentations, WVDEP's	s Website, etc.)							
	Project Manager / Senior Engineer	HR	10	\$185.00	\$1,850.00		\$0.00		\$0.00	0.0	\$0.00
2	Engineer / Technical Scientist	HR	0	\$120.00	\$0.00		\$0.00		\$0.00	0.0	\$0.00
3	Environmental Technician II	HR	0	\$90.00	\$0,00		\$0.00		\$0.00	0.0	\$0.00
4	Planning / Technical Specialist	HR	0	\$110.00	\$0.00		\$0,00		\$0.00	0,0	\$0.00
5	Per Diem	Day	0	\$50.00	\$0.00		\$0.00		\$0,00	0,0	\$0.00
	Studies, Surveys & Mitigation Plans (as applicable) [Water	Sampling (1 rou	nd). Wetland/Strean	Deliniation & Repo	ort]						
	Project Manager / Senior Engineer	HR	30	\$185.00	\$5,550.00		\$0.00		\$0.00	0.0	\$0.00
2	Engineer / Technical Scientist	HR	60	\$120,00	\$7,200.00		\$0.00		\$0.00	0.0	\$0.00
3	Environmental Technician II	HR	40	\$90,00	\$3,600.00		\$0.00		\$0.00	0.0	\$0.00
14	Planning / Technical Specialist	HR	10	\$110 00	\$1,100.00						
5	Mileage	Mile	450	\$0.70	\$315.00		\$0.00		\$0.00	0.0	\$0,00
6	Per Diem	Day	2	\$50.00	\$100.00		\$0.00		\$0.00	0.0	\$0.00
+	CATEX / EA / FONSI / EIS										
1	Project Manager / Senior Engineer	HR	16	\$185.00	\$2,960.00		\$0.00		\$0.00	0.0	\$0.00
2	Engineer / Technical Scientist	HR	18	\$120.00	\$2,160.00		\$0.00		\$0.00	0.0	\$0.00
3	Environmental Technician II	HR	18	\$90.00	\$1,620.00		\$0.00		\$0.00	0.0	\$0.00
4	Planning / Technical Specialist	Mile	8	\$110.00	\$880.00		\$0.00		\$0.00	0.0	\$0.00
5	Per Diem	Day	0	\$50.00	\$0.00		\$0.00		\$0.00	0.0	\$0.00
						SUBTOTAL		SUBTOTAL		SUBTOTAL	
М1 -7 4	(Revised 7/5/2023)			SUBTOTAL PAGE 2 COST	\$36,655.00	PAGE 2 PREVIOUS	\$0.00	PAGE 2 THIS APPLICATION	\$0,00	PAGE 2 TO DATE	\$0.00

	se Order No.: CPO DEPxx*xx					The Chart	IFICATE FOR PA				
	t Name: 2023 AML Contract S(4)							Application No.:	1	Page 3	of 6 Pages
roject	dity Line: 10										
rojett.	Name: Harmonds Creek Portals Phase II							WORK	COMPLETED		
	SCHEDU	LE PER CONT	RACT			PREVIOUS	PREVIOUS BILLED	THIS APPLICATION	AMOUNT DUE THIS APPLICATION	TOTAL BIL	LED TO DATE
TASK	DESCRIPTION	UNIT	CONTRACT QUANTITY	UNIT BID PRICE	COST	UNITS	COST	UNITS	COST	UNITS	COST
ASK I	I: REALTY										
T	Exploratory Rights of Entry (EROE)										
11	Project Manager / Senior Engineer										
2	Realty Agent	HR	10	\$190.00	\$1,900.00		\$0.00		\$0.00	0,0	60.00
$\rightarrow$	a Courthouse Work	TIP								0,0	\$0.00
	b Field Reconnaisance / Landowner Correspondence	HR HR	8	\$175.00	\$1,400.00		\$0.00		\$0.00	0.0	\$0.00
	c Office Work / AMLNET		10	\$175.00	\$1,750,00		\$0.00		\$0,00	0.0	\$0.00
3	Mileage	HR Mile	8	\$175.00	\$1,400,00		\$0.00		\$0.00	0.0	\$0.00
4	Per Diem		330	\$0.70	\$231.00		\$0,00		\$0.00	0.0	\$0.00
$\pm$		Day	1	\$50.00	\$50.00		\$0.00		\$0.00	0.0	\$0.00
	Construction Rights of Entry (CROE)	_		-						V.0	30.00
1	Project Manager / Senior Engineer	HR	10								
2	Realty Agent	- IIK	10	\$190.00	\$1,900.00		\$0.00		\$0.00	0.0	\$0.00
11	a Courthouse Work	HR	4	1							90.00
	b Field Reconnaisance / Landowner Correspondence	HR		\$175.00	\$700.00		\$0.00		\$0,00	0.0	\$0.00
	c Office Work / AMLNET	HR	10	\$175,00	\$1,750.00		\$0.00		\$0.00	0.0	\$0.00
3	Mileage	Mile	2	\$175.00	\$350,00		\$0.00		\$0.00	0.0	\$0.00
4	Per Diem	Day	330	\$0.70	\$231.00		\$0.00		\$0.00	0.0	\$0.00
		Day	1	\$50.00	\$50.00		\$0.00		\$0,00	0,0	\$0,00
	Pre-Bid Conference										30.00
1	Realty Agent	HR	5	\$175.00							
2	Mileage	Mile	160	\$175.00	\$875.00		\$0.00		\$0.00	0.0	\$0.00
		142113	100	\$0.70	\$112.00		\$0.00		\$0.00	0.0	\$0.00
	Pre-Construction Conference			<del>                                     </del>		-					
1	Realty Agent	HR	5	\$175,00	6975.00						
2	Mileage	Mile	160	\$0.70	\$875,00	-	\$0,00		\$0,00	0.0	\$0,00
			100	\$0.70	\$112.00	-	\$0.00		\$0.00	0.0	\$0.00
IL-7A (	Revised 7/5/2023)			SUBTOTAL PAGE 3 COST	\$13,686.00	SUBTOTAL PAGE 3 PREVIOUS	\$0.00	SUBTOTAL PAGE 3 THIS	\$0.00	SUBTOTAL PAGE 3 TO DATE	\$0,00

		C	ONTINUATIO	ON SHEET C	F APPLICATION	AND CERT	BANDONED MINE LA	MENT			D
rchase	Order No.: CPO DEPxx*xx							Application No.:	1	Page 4 of	6 Pages
	Name: 2023 AML Contract S(4)										
ommod	ity Line: 10							WORK	COMPLETED		
roject N	iame: Harmonds Creek Portals Phase II					<del></del>		THIS	AMOUNT DUE THIS		DATE
	SCHEDULE	PER CONTI	RACT			PREVIOUS	PREVIOUS BILLED	APPLICATION	APPLICATION	TOTAL BILLE	D TO DATE
TASK	DESCRIPTION	UNIT	CONTRACT QUANTITY	UNIT BID PRICE	UNIT BID PRICE	UNITS	COST	UNITS	COST	UNITS	COST
ASK II	I: DESIGN										
	SITE RECONNAISSANCE AND INVESTIGATIONS				****	-	\$0.00		\$0,00	0.0	\$0,00
1	Senior Project Manager	HR	3	\$275,00	\$825.00		\$0,00		\$0.00	0.0	\$0.00
2	Project Manager	HR	6	\$190 00	\$1,140.00		\$0.00		\$0.00	0.0	\$0.00
3	Mileage	Mile	160	\$0.70	\$112.00	-	\$0.00		\$0.00	0.0	\$0.00
4	Per Diem	Day	1	\$50.00	\$50.00		\$0,00		30.00	0,0	
3	SURVEYING & MAPPING								20.00	0.0	\$0.00
11	Project Manager / Senior Engineer	HR	30	\$190.00	\$5,700.00		\$0.00		\$0.00		\$0.00
2	Staff Engineer	HR	20	\$115.00	\$2,300.00		\$0,00		\$0.00	0.0	
3	Professional Surveyor / Chief Surveyor	HR	4	\$145.00	\$580.00		\$0.00		\$0.00	0,0	\$0.00
4	Survey Crew	HR	12	\$95.00	\$1,140.00		\$0.00		\$0.00	0,0	\$0.00
5	Senior Technician	HR	0	\$110.00	\$0.00		\$0,00		\$0.00	0.0	\$0.00
6	Topographic, Planimetric and Check Surveying	Acre	13	\$250.00	\$3,250.00		\$0.00		\$0.00	0,0	\$0.00
7	Mileage	Mile	160	\$0.70	\$112.00		\$0.00		\$0.00	0.0	\$0.00
8	Per Diem	Day	11	\$50.00	\$50.00		\$0.00		\$0.00	0.0	\$0.00
				1		<del>                                     </del>					
c	GEOTECHNICAL INVESTIGATION			0210.00	\$2,100,00	-	\$0.00		\$0,00	0,0	\$0.00
1	Project Manager / Senior Engineer	HR	10	\$210.00 \$185.00	\$7,400,00	1	\$0.00		\$0.00	0.0	\$0.00
2	Geotechnical Engineer/Geologist	HR	40		\$4,500,00	-	\$0.00		\$0,00	0.0	\$0.00
3	Mobilization / Demobilization	LS	1	\$4,500.00	\$25,920,00	-	\$0.00		\$0.00	0.0	\$0,00
4	Soil Augering	LF	810	\$32.00	\$105,000.00		\$0.00		\$0.00	0.0	\$0.00
5	Rock Coring	LF	1500	\$70.00	\$19,000.00	-	\$0.00		\$0.00	0.0	\$0,00
6	Heavy Equipment	HR	100	\$190.00	\$15,625.00		\$0.00	1	\$0,00	0.0	\$0.00
7	Piezometer Installation	LF	625	\$25.00	\$20,350.00		\$0.00		\$0.00	0.0	\$0.00
8	Drill Crew Per Diem	Day	55	\$370.00	\$8,000.00		\$0.00		\$0.00	0.0	\$0.00
9	Reclamation	LS	1	\$8,000.00	\$0,00		\$0.00		\$0.00	0.0	\$0.00
10	Geotechnical Investigation Report	LS	0	\$0.00	\$140.00	+	\$0.00		\$0.00	0.0	\$0.00
11	Mileage	Mile	200	\$0.70			\$0.00		\$0.00	0.0	\$0.00
12	Per Diem	Day	1	\$50,00	\$50.00	-	90.00				
				SUBTOTAL PAGE 4 COST	\$223,344.00	SUBTOTAL PAGE 4 PREVIOUS	\$0.00	SUBTOTAL PAGE 4 THIS APPLICATION	\$0.00	SUBTOTAL PAGE 4 TO DATE	\$0.00

	e Order No.: CPO DEPxx*xx  Name: 2023 AML Contract S(4)						TIFICATE FOR PA				
	Name: 2023 AML Contract S(4)							Application No.:	1	Page !	5 of 6 Pages
roject N											
								WORK	COMPLETED		
	SCHE	DULE PER CONT	RACT			PREVIOUS	PREVIOUS BILLED	THIS	AMOUNT DUE THIS		
TASK	DESCRIPTION		CONTRACT	STATEM NAME		11000	FREVIOUS BILLED	APPLICATION	APPLICATION	TOTAL BIL	LED TO DATE
T T	DESCRIPTION	UNIT	QUANTITY	UNIT BID PRICE	COST	UNITS	COST	UNITS	COCH		
SEV III	I. DEGLOVI (CO.)			1		_		ONTIS	COST	UNITS	COST
ASK III	I: DESIGN (CONTINUED)										
11	ANALYSIS AND DESIGN										
2	Senior Project Manager	HR	- 4	\$210,00	\$840.00		00.00				
3	Project Manager	HR	20	\$190.00	\$3,800,00		\$0.00		\$0,00	0.0	\$0.00
4	Enviornmental Specialist	HR	2	\$120.00	\$240.00	_	\$0.00		\$0.00	0.0	\$0.00
5	Staff Engineer	HR	20	\$115.00	\$2,300.00	-	\$0.00		\$0.00	0.0	\$0.00
13	CADD Technician	HR	15	\$115,00	\$1,725,00		\$0.00		\$0.00	0.0	\$0,00
$\vdash$					V1,725,00		\$0.00		\$0.00	0.0	\$0,00
1.1	PREPARATION OF PLANS, SPECIFICATIONS	AND ENGINEERS	ESTIMATE								
1	Senior Project Manager	HR	4	\$210.00	\$840.00						
2	Project Manager	HR	80	\$190,00	\$15,200,00		\$0.00		\$0.00	0.0	\$0.00
3	Enviornmental Specialist	HR	2	\$120,00	\$240.00	+	\$0.00		\$0.00	0,0	\$0.00
4	Staff Engineer	HR	60	\$115.00	\$6,900,00		\$0.00		\$0.00	0.0	\$0.00
5	CADD Technician	HR	100	\$115,00	\$11,500.00		\$0.00		\$0.00	0,0	\$0.00
				5715.00	311,300.00	-	\$0.00		\$0.00	0,0	\$0.00
	PERMITTING [NPDES, USACE]			-							\$0.00
1	Project Manager / Senior Engineer	HR	20	\$190.00							
2	Engineer / Environmental Scientist	HR	60		\$3,800,00		\$0.00		\$0,00	0,0	****
3	Mileage	Mile	0	\$115.00	\$6,900.00		\$0.00		\$0.00	0.0	\$0.00
4	CADD Technician	HR	30	\$105.00	\$0,00		\$0.00		\$0.00	0.0	\$0,00
		7IK	30	\$115.00	\$3,450.00		\$0,00		\$0,00	0,0	\$0,00
	PRE-BID CONFERENCE								00.00	0.0	\$0.00
1	Project Manager / Senior Engineer	HR									
2	Mileage	Mile	5	\$190,00	\$950.00		\$0.00		\$0.00	-	
3	Per Diem		160	\$0.70	\$112.00		\$0.00		\$0.00	0.0	\$0.00
		Day	1	\$50.00	\$50.00		\$0.00		\$0.00	0.0	\$0.00
	PRE-CONSTRUCTION CONFERENCE								30.00	0.0	\$0.00
	Project Manager / Senior Engineer	- Im									
	Construction Inspector	HR	5	\$190.00	\$950,00		\$0.00		£0.00		
	Mileage	HR	5	\$116.00	\$580.00		\$0,00		\$0.00	0.0	\$0.00
		Mile	160	\$0.70	\$112.00		\$0,00		\$0.00	0.0	\$0.00
									\$0,00	0.0	\$0.00
~7A (Rc	ivised 7/5/2023)			SUBTOTAL PAGE 5 COST	\$60,489.00	SUBTOTAL PAGE 5 PREVIOUS	\$0,00	SUBTOTAL PAGE 5 THIS APPLICATION	\$0.00	SUBTOTAL PAGE 5 TO DATE	\$0.00

		C	ONTINUATIO	ON SHEET OF	APPLICATION	IND CERT	FICATE FOR PAYN	pplication No.:		Page 6 o	f 6 Pages
	Order No.: CPO DEPxx*xx										
ontract											
	ity Line: 10 ame: Harmonds Creek Portals Phase II							WORK	COMPLETED		
roject N		ULE PER CONTR	ACT			PREVIOUS	PREVIOUS BILLED	THIS APPLICATION	AMOUNT DUE THIS APPLICATION	TOTAL BILL	ED TO DATE
TASK	DESCRIPTION	UNIT	CONTRACT	UNIT BID PRICE	COST	UNITS	COST	UNITS	COST	UNITS	COST
A CIT' II	: CONSTRUCTION OVERSIGHT										
									#0.00	0.0	\$0.00
1	Construction Inspection Project Manager / Senior Engineer	HR	60	\$190,00	\$11,400.00		\$0.00		\$0.00	0.0	00.00
11									ma no	0.0	\$0.00
2	Construction Inspector	HR	640	\$116.00	\$74,240.00		\$0.00		\$0.00		\$0.00
$\rightarrow$	a Construction Inspection	HR	80	\$116.00	\$9,280.00		\$0,00		\$0.00	0.0	\$0.00
11	b Office Work / AMLNET	Mile	13120	\$0.70	\$9,184.00		\$0.00		\$0.00	0,0	
$\rightarrow$	c Mileage		80	\$50.00	\$4,000.00		\$0,00		\$0.00	0.0	\$0.00
	d Per Diem	Day	80	\$30.00							
TASK V	: POST-CONSTRUCTION OVERSIGHT										
A	FIELD VISITS / INSPECTIONS				02.000.00		\$0.00		\$0.00	0.0	\$0.00
1	Project Manager / Senior Engineer	HR	20	\$190.00	\$3,800.00		\$0.00		\$0.00	0.0	\$0.00
2	Construction Inspector	HR	24	\$116.00	\$2,784.00		\$0.00		\$0.00	0.0	\$0.00
3	Mileage	Mile	100	\$0,70	\$70.00		\$0.00				
11											
+											
+											
-											
+											
-								SUBTOTAL			
				SUBTOTAL PAGE 6 COST	\$114,758.00	SUBTOTAL PAGE 6 PREVIOUS	\$0.00	PAGE 6 THIS APPLICATION	\$0.00	SUBTOTAL PAGE 6 TO DATE	\$0.00
			Portals Phase	PROJECT TOTAL COST	\$448,932.00	PROJECT TOTAL PREVIOUS	en 00	PROJECT TOTAL THIS APPLICATION	\$0,00	PROJECT TOTAL TO DATE	

Purchaen Onder No.	CDO DED +		CONTINUAT	ON SHEET	OF APPLICATION	N AND CERT	IFICATE FOR PA	VMFNT	IATION		
Project Name: N/A  EACH PROJECT COULD/SHOULD BE MADE A SEPARATE 'SHEET' SO TO SUM ALL PRO  EACH PROJECT COULD/SHOULD BE ON A SEPARATE 'SHEET', AND PAGE NUMBERS CORRECTED.  WORK COMPLETED  SCHEDULE PER CONTRACT  PREVIOUS		X of X Pages PROJECT TOTA									
								WORK	COMPLETED	IBERS CORRECT	ED AS NEEDED
		SCHEDULE PER CON				PREVIOUS	PREVIOUS BILLED			TOTAL BI	LLED TO DATE
Contract Name: Commodity Line: Project Name:  TASK	DESCRIPTION	UNI	100		UNIT BID PRICE	UNITS	COST			UNITS	COST
										51415	
ML-7 (Revised 7/5/202	23)	CONTRACT NAME								CPAND TOTAL	
	,	CONTRACT NAM	: Contract S(4)	TOTAL COST	\$448,932.00	PREVIOUS	\$0.00		\$0.00		

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		C	ONTINUATIO	ON SHEET OF	APPLICATIO	N AND CERT	BANDONED MINE LA FICATE FOR PAY	MENI		Page 2 of	6 Dagge
ırchase	se Order No.: CPO DEPxx*xx							Application No.:		Page 2 01	o rages
	ct Name: 2023 AML Contract S(4)					-					
ommod	dity Line: 11							WORK	COMPLETED		
roject i	Name: West Columbia - B Phase II							THIS	AMOUNT DUE THIS	TOTAL BILLE	D TO DATE
	SCHE	ULE PER CONTE	RACT			PREVIOUS	PREVIOUS BILLED	APPLICATION	APPLICATION	TOTAL BILLE	DIODAIL
			CONTRACT	UNIT BID		UNITS	COST	UNITS	COST	UNITS	COST
TASK	K DESCRIPTION	UNIT	QUANTITY	PRICE	COST	UNIIS	COST	UNITS			
Т						1					
ASK I	I: NEPA & ESA										
T	Agency Coordinations (including Office Work, AMLNI	ET, etc.)							40.00	0.0	\$0.00
+	Project Manager / Senior Engineer	HR	18	\$185.00	\$3,330,00		\$0.00		\$0.00		\$0.00
2	The state of the s	HR	20	\$120.00	\$2,400,00		\$0.00		\$0.00	0.0	\$0.00
3	Environmental Technician II	HR	20	\$90.00	\$1,800.00		\$0.00		\$0.00		\$0.00
4		HR	12	\$110.00	\$1,320.00		\$0.00		\$0.00	0.0	\$0.00
5	Per Diem	Day	0	\$50.00	\$0.00		\$0.00		\$0.00	0.0	30.00
13	I of Dien										
в	Public Involvement (including Legal Ads, Public Hearing	igs, Documents, Pre	sentations, WVDEP	s Website, etc.)						0.0	\$0.00
1	Project Manager / Senior Engineer	HIR	10	\$185.00	\$1,850.00		\$0.00		\$0.00	0.0	\$0.00
2	Engineer / Technical Scientist	HR	0	\$120.00	\$0.00		<b>\$0</b> .00		\$0.00	0.0	\$0.00
3	Environmental Technician II	HR	0	\$90.00	\$0.00		\$0.00		\$0.00	0.0	\$0.00
4	Planning / Technical Specialist	HR	0	\$110.00	\$0.00		\$0.00		\$0.00	0.0	\$0.00
5	Per Diem	Day	0	\$50.00	\$0.00		\$0.00		\$0.00	0.0	30,00
+1											
c	Studies, Surveys & Mitigation Plans (as applicable) [W	ater Sampling (1 rou	ind), Wetland/Stream	n Deliniation & Repo	rt]				****	0.0	\$0.00
7	Project Manager / Senior Engineer	HR	30	\$185.00	\$5,550.00		\$0.00		\$0.00	0.0	\$0.00
2	Engineer / Technical Scientist	HR	47	\$120.00	\$5,640.00		\$0.00	-	\$0.00	0.0	\$0.00
3	Environmental Technician II	HR	27	\$90.00	\$2,430.00		\$0.00	-	\$0.00	0.0	50.00
4	Planning / Technical Specialist	HR	10	\$110,00	\$1,100.00		\$0.00		00.00	0,0	\$0.00
5	Mileage	Mile	500	\$0.70	\$350.00		\$0.00		\$0.00	0.0	\$0.00
6	Per Diem	Day	2	\$50.00	\$100.00		\$0.00	1	\$0.00	0.0	ψ0,00
1											
С	CATEX / EA / FONSI / EIS							-	60.00	0,0	\$0,00
1	Project Manager / Senior Engineer	HIR	14	\$185.00	\$2,590.00		\$0.00		\$0.00	0,0	\$0.00
2		HR	16	\$120.00	\$1,920.00		\$0.00		\$0.00	0.0	\$0.00
3		HR	16	\$90,00	\$1,440.00		\$0.00		\$0.00	0.0	\$0.00
4	Planning / Technical Specialist	HR	8	\$110.00	\$880.00		\$0.00		\$0.00	0.0	\$0.00
5		Day	0	\$50.00	\$0.00		\$0.00		\$0.00	0.0	\$0,00
Ť								SUBTOTAL			
				SUBTOTAL PAGE 2 COST	\$32,700.00	SUBTOTAL PAGE 2 PREVIOUS	\$0.00	PAGE 2 THIS APPLICATION	00.02	SUBTOTAL PAGE 2 TO DATE	\$0.00

	e Order No.: CPO DEPxx*xx					Oli III O CISICI	IFICATE FOR PA				
	t Name: 2023 AML Contract S(4)							Application No.:	1	Page 3	of 6 Pages
roject	dity Line; 11										
roject .	Name: West Columbia - B Phase II							Work	00151		
	SCHEDU	LE PER CONT	RACT						COMPLETED		
-						PREVIOUS	PREVIOUS BILLED	THIS APPLICATION	AMOUNT DUE THIS APPLICATION	TOTAL BIL	LED TO DAT
TASK	DESCRIPTION	UNIT	CONTRACT QUANTITY	UNIT BID PRICE	COST	UNITS	COST	UNITS	COST	UNITS	
ASK II	I: REALTY									UNITS	COST
+++	Exploratory Rights of Entry (EROE)							-			
2	Project Manager / Senior Engineer	HR	10	\$190.00	\$1,900.00		\$0.00				
	Realty Agent						30.00		\$0.00	0.0	\$0.00
	a Courthouse Work	HR	10	\$175.00	\$1,750.00		\$0.00				
+	b Field Reconnaisance / Landowner Correspondence	HR	20	\$175,00	\$3,500,00		\$0.00		\$0.00	0,0	\$0.00
_	c Office Work / AMLNET	HR	4	\$175,00	\$700,00		\$0.00		\$0,00	0,0	\$0.00
3	Mileage	Mile	564	\$0,70	\$394.80	_			\$0.00	0.0	\$0.00
4	Per Diem	Day	1	\$50.00	\$50,00		\$0,00		\$0.00	0.0	\$0.00
+					650.00		\$0,00		\$0,00	0.0	\$0.00
11	Construction Rights of Entry (CROE)										
1	Project Manager / Senior Engineer	HR	10	\$190.00	\$1,900.00	-					
2	Realty Agent				Ψ1,200,00	-	\$0,00		\$0.00	0.0	\$0.00
1	a Courthouse Work	HR	15	\$175.00	\$2,625.00	-					
	2 Total Recommaisance / Landowner Correspondence	HR	20	\$175.00	\$3,500,00	-	\$0.00		\$0.00	0.0	\$0.00
_	C Office Work / AMLNET	HR	2	\$175,00	\$350.00	-	\$0.00		\$0.00	0.0	\$0.00
3	Mileage	Mile	282	\$0.70	\$197.40		\$0.00		\$0.00	0.0	\$0.00
4	Per Diem	Day	1	\$50,00	\$50,00		\$0.00		\$0.00	0.0	\$0.00
				850,00	\$30.00		\$0.00		\$0,00	0.0	\$0.00
	Pre-Bid Conference										<b>\$0.00</b>
1	Realty Agent	HR	8	\$175,00	#1 100 cc						
2	Mileage	Mile	282	\$0,70	\$1,400.00		\$0.00		\$0.00	0.0	\$0.00
		-	204	\$0.70	\$197.40		\$0.00		\$0.00	0,0	\$0.00
	Pre-Construction Conference										\$0.00
1	Realty Agent	HR	8	£175.00							
2	Mileage	Mile	282	\$175.00	\$1,400.00		\$0.00		\$0,00	0.0	\$0.00
		MIG	202	\$0.70	\$197.40		\$0.00		\$0.00	0.0	\$0.00
										0.0	\$0.00
L-7A (F	Revised 7/5/2023)			SUBTOTAL PAGE 3 COST	\$20,112.00	SUBTOTAL PAGE 3 PREVIOUS	\$0.00	SUBTOTAL PAGE 3 THIS APPLICATION	\$0.00	SUBTOTAL PAGE 3 TO DATE	\$0.00

		C	ONTINUATIO	ON SHEET C	F APPLICATION	AND CERT	IFICATE FOR PAY	Application No. 1		Page 4 of	6 Pages
rchase	Order No.: CPO DEPxx*xx							Application No.: 1		Tage 4 of	V I iiget
ontract						-					
mmodi	ity Line: 11							WORK	COMPLETED		
oject N	ame: West Columbia - B Phase II							THIS	AMOUNT DUE THIS	TOTAL BILLE	D TO DATE
	SCHEDULE I	ER CONTE	ACT			PREVIOUS	PREVIOUS BILLED	APPLICATION	APPLICATION	TOTAL BILL	
TASK	DESCRIPTION	UNIT	CONTRACT	UNIT BID PRICE	UNIT BID PRICE	UNITS	COST	UNITS	COST	UNITS	COST
T											
ASK II	: DESIGN							-			
T	SITE RECONNAISSANCE AND INVESTIGATIONS								\$0,00	0.0	\$0.00
	Project Manager / Senior Engineer	HR	4	\$275.00	\$1,100,00		\$0.00		\$0.00	0.0	\$0,00
2	Staff Engineer	HR	18	\$190.00	\$3,420,00		\$0.00		\$0.00	0.0	\$0.00
3	Mileage	Mile	290	\$0.70	\$203,00		\$0.00		\$0.00	0.0	\$0.00
4	Per Diem	Day	1	\$50.00	\$50.00		\$0.00		30.00	0,0	40.00
++											
8	SURVEYING & MAPPING							-	\$0,00	0,0	\$0.00
11	Project Manager / Senior Engineer	HR	8	\$190.00	\$1,520.00		\$0.00		\$0,00	0.0	\$0.00
2	Staff Engineer	HR	2	\$115.00	\$230.00		\$0.00	-	\$0.00	0.0	\$0.00
3	Professional Surveyor / Chief Surveyor	HR	1	\$145.00	\$145.00		\$0.00	-	\$0.00	0.0	\$0.00
4	Survey Crew	HR	12	\$95.00	\$1,140.00		\$0.00	-	\$0.00	0.0	\$0.00
5	Senior Technician	HR	2	\$110.00	\$220.00		\$0.00	-	\$0.00	0.0	\$0.00
6	Topographic, Planimetric and Check Surveying	Acre	4	\$250.00	\$1,000.00		\$0.00		\$0.00	0.0	\$0.00
7	Mileage	Mile	290	\$0.70	\$203.00		\$0.00	-	\$0.00	0,0	\$0,00
8	Per Diem	Day	1	\$50.00	\$50.00		\$0.00		\$0.00		
								-			
c	GEOTECHNICAL INVESTIGATION						\$0.00	1	\$0,00	0,0	\$0,00
11	Project Manager / Senior Engineer	HR	22	\$210.00	\$4,620.00		\$0,00		\$0.00	0.0	\$0.00
2	Geotechnical Engineer/Geologist	HR	20	\$185.00	\$3,700.00		\$0.00		\$0.00	0,0	\$0.00
3	Mobilization / Demobilization	LS	1	\$3,500.00	\$3,500.00	-	\$0.00		\$0.00	0.0	\$0.00
4	Soil Augering	LF	360	\$32.00	\$11,520.00		\$0.00	+	\$0.00	0.0	\$0.00
5	Rock Coring	LF	540	\$70.00	\$37,800.00		\$0,00		\$0.00	0.0	\$0.00
6	Heavy Equipment	HR	40	\$190,00	\$7,600.00		\$0.00		\$0.00	0.0	\$0.00
7	Piezometer Installation	LF	230	\$25.00	\$5,750,00		\$0.00		\$0.00	0,0	\$0.00
8	Drill Crew Per Diem	Day	14	\$370.00	\$5,180.00		\$0.00	-	\$0.00	0,0	\$0.00
9	Reclamation	LS	1	\$5,000,00	\$5,000.00		\$0.00		\$0.00	0,0	\$0.00
10	Geotechnical Investigation Report	LS	0	\$10,500.00	\$0.00	-	\$0.00		\$0.00	0,0	\$0.00
11	Mileage	Mile	300	\$0.70	\$210,00		\$0.00	-	\$0.00	0.0	\$0.00
12	Per Diem	Day	0	\$50.00	\$0.00	-	30.00				
				SUBTOTAL PAGE 4 COST	\$94,161.00	SUBTOTAL PAGE 4 PREVIOUS	\$0.00	SUBTOTAL PAGE 4 THIS APPLICATION	\$0,00	SUBTOTAL PAGE 4 TO DATE	\$0.00

	e Order No.: CPO DEPxx*xx  Name: 2023 AML Contract S(4)						TIFICATE FOR PA				
	lity Line: 11							Application No.:	1	Page :	5 of 6 Pages
roject N											
								WORK	COMPLETED		
	SCHE	DULE PER CONTI	RACT			PREVIOUS	DE EL POYER	THIS	AMOUNT DUE THIS		
TASK	DESCRIPTION	UNIT	CONTRACT	UNIT BID	COST		PREVIOUS BILLED	APPLICATION	APPLICATION	TOTAL BIL	LED TO DAT
			QUANTITY	PRICE	COST	UNITS	COST	UNITS	COST	UNITS	COST
ASK III	I: DESIGN (CONTINUED)			-							
	ANALYSIS AND DESIGN										
1	Senior Project Manager	HR		-							
2	Project Manager		4	\$190.00	\$760.00		\$0.00		\$0.00	-	
3	Enviornmental Specialist	HR	20	\$185.00	\$3,700.00		\$0.00		\$0.00	0.0	\$0.00
4	Staff Engineer	HR	2	\$120.00	\$240.00		\$0.00			0,0	\$0.00
5	CADD Technician	HR	20	\$115.00	\$2,300.00		\$0.00		\$0.00	0.0	\$0.00
		HR	10	\$115.00	\$1,150.00		\$0.00		\$0.00	0.0	\$0.00
	PREPARATION OF PLANS, SPECIFICATIONS A	IND PROPERTY.					******		\$0.00	0.0	\$0.00
11	Senior Project Manager										
2	Project Manager	HR	4	\$190,00	\$760.00		\$0.00				
3	Environmental Specialist	HR	40	\$185.00	\$7,400,00		\$0.00		\$0.00	0.0	\$0.00
4	Staff Engineer	HR	0	\$120.00	\$0.00		\$0.00		\$0.00	0.0	\$0.00
5	CADD Technician	HR	80	\$115.00	\$9,200.00		\$0.00		\$0.00	0.0	\$0.00
H	CADD Technician	HR	90	\$115.00	\$10,350.00		\$0.00		\$0.00	0.0	\$0.00
	DEDMITTING DINNERS AND						40,00		\$0,00	0.0	\$0.00
+,+	PERMITTING [NPDES, USACE]										
2	Project Manager / Senior Engineer	HR	15	\$190.00	\$2,850.00		\$0.00				
3	Staff Engineer Mileage	HR	35	\$115.00	\$4,025.00		\$0.00		\$0.00	0,0	\$0.00
4		Mile	0	\$105,00	\$0.00				\$0.00	0.0	\$0.00
	CADD Technician	HR	30	\$115.00	\$3,450,00		\$0.00		\$0.00	0.0	\$0.00
$\vdash$	DRE DVD COLUMN						\$0.00		\$0.00	0.0	\$0.00
	PRE-BID CONFERENCE					1					
_	Project Manager / Senior Engineer	HR	8	\$190.00	\$1,520.00		00.55				
2	Mileage	Mile	290	\$0.70	\$203.00	1	\$0.00		\$0,00	0.0	\$0.00
3	Per Diem	Day	1	\$50,00	\$50.00	1	\$0.00		\$0.00	0.0	\$0.00
					<b>\$20.00</b>		\$0.00		\$0.00	0.0	\$0.00
	PRE-CONSTRUCTION CONFERENCE										20.00
	Project Manager / Senior Engineer	HR	8	\$190.00	\$1,520.00	-					
	Construction Inspector	HR	8	\$116,00	\$928.00		\$0.00		\$0.00	0.0	\$0.00
3	Mileage	Mile	290	\$0.70	\$203,00		\$0.00		\$0.00	0.0	\$0.00
				30.70	3203,00		\$0.00		\$0.00	0.0	\$0.00
						CYIPTOTAL					30.00
-7A (Re	vised 7/5/2023)			SUBTOTAL, PAGE 5 COST	\$50,609.00	SUBTOTAL PAGE 5 PREVIOUS	\$0,00	SUBTOTAL PAGE 5 THIS APPLICATION	\$0.00	SUBTOTAL PAGE 5 TO DATE	\$0.00

			C	ONTINUATIO	N SHEET OF	APPLICATION	AND CERTI	FICATE FOR PAYN	pplication No.: 1		Page 6	f 6 Pages
rcha	se Or	rder No.: CPO DEPxx*xx										
ntra	ct Na	me: 2023 AML Contract S(4)										
		Line: 11							WORK	COMPLETED		
oject	Nam		DULE PER CONTR	ACT			PREVIOUS	PREVIOUS BILLED	THIS APPLICATION	AMOUNT DUE THIS APPLICATION	TOTAL BILL	ED TO DATE
TASI	к	DESCRIPTION	UNIT	CONTRACT	UNIT BID PRICE	COST	UNITS	COST	UNITS	COST	UNITS	COST
_	$\vdash$											
CTT	D/	CONSTRUCTION OVERSIGHT										
SK	-										0.0	\$0.00
1	-	Construction Inspection	HR	50	\$190.00	\$9,500,00		\$0,00		\$0.00	0.0	30.00
1	-	Project Manager / Senior Engineer									0.0	\$0.00
2	-	Construction Inspector	HR	480	\$116.00	\$55,680.00		\$0.00		\$0.00	0.0	\$0.00
1	-	Construction Inspection	HR	60	\$116.00	\$6,960.00		\$0.00		\$0.00	0.0	\$0.00
	-	Office Work / AMLNET	Mile	560	\$0.70	\$392.00		\$0.00		\$0.00	0.0	
1	-	Mileage		60	\$175.00	\$10,500.00		\$0.00		\$0.00	0,0	\$0.00
	d	Per Diem	Day	00	\$175.00							
ASK		POST-CONSTRUCTION OVERSIGHT										
I		FIELD VISITS / INSPECTIONS			6100.00	\$3,800.00		\$0.00		\$0.00	0.0	\$0.00
1		Project Manager / Senior Engineer	HR	20	\$190.00	\$2,784.00		\$0.00		\$0.00	0.0	\$0,00
2	T	Construction Inspector	HR	24	\$116.00	\$70,00		\$0,00		\$0.00	0.0	\$0.00
3		Mileage	Mile	100	\$0.70	\$70,00						
T					++							
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					SUBTOTAL PAGE 6 COST	\$89,686.00	SUBTOTAL PAGE 6	\$0.00	SUBTOTAL PAGE 6 THIS APPLICATION	\$0,00	SUBTOTAL PAGE 6 TO DATE	\$0.00
							PREVIOUS		PROJECT		PROJECT	
				mbia - B Phase	PROJECT TOTAL COST	\$287,268.00	TOTAL PREVIOUS	en no	TOTAL THIS APPLICATION	\$0.00	TOTAL TO DATE	

Purchase Order No.:	: CPO DEPxx*xx		CONTINUATI	ON SHEET	OF APPLICATIO	N AND CERT	ABANDONED MINE LA	ANDS & RECLAM VMENT	IATION		
Contract Name: Commodity Line: Project Name:	2023 AML Contract S(4) N/A N/A					THE GRAND		Application No.: D BE MADE A S DN A SEPARATE '	EPARATE 'SHEET' SO SHEET', AND PAGE NUN		X of X Pages PROJECT TOTA ED AS NEEDED
		SCHEDULE PER CONT	RACT			PREVIOUS	PREVIOUS BILLED	THIS	AMOUNT DUE THIS		
TASK	DESCRIPTION	UNIT	CONTRACT QUANTITY	UNIT BID PRICE	UNIT BID PRICE	UNITS	COST	APPLICATION UNITS	APPLICATION	UNITS	LLED TO DATE
			2000 4141								
ML-7 (Revised 7/5/202	23)	CONTRACT NAME:	2023 AML Contract S(4)		\$287,268.00	GRAND TOTAL PREVIOUS		GRAND TOTAL THIS APPLICATION	\$0.00	GRAND TOTAL TO DATE	

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		C	ONTINUATIO	ON SHEET OF	APPLICATIO	AND CERT	FICATE FOR PAY	Application No.:	1	Page 2 of	f 6 Pages
ash o co	Order No.: CPO DEPxx*xx							Application 110			
ntract	210					-					
	ity Line: 12							WORK	COMPLETED		
oject N								THIS	AMOUNT DUE THIS	TOTAL BILLS	D TO DATE
	SCHEDULE P	ER CONTE	ACT			PREVIOUS	PREVIOUS BILLED	APPLICATION	APPLICATION		
TASK	DESCRIPTION	UNIT	CONTRACT QUANTITY	UNIT BID PRICE	COST	UNITS	COST	UNITS	COST	UNITS	COST
$\Pi$											
ASK I:	NEPA & ESA										
	Agency Coordinations (including Office Work, AMLNET, etc.		26	\$185.00	\$4.810.00		\$0.00		\$0.00	0,0	\$0.00
1	Project Manager / Senior Engineer	HR	26	\$183.00	\$2,280.00		\$0,00		\$0.00	0.0	\$0.00
2	Engineer / Technical Scientist	HR	19	\$90.00	\$1,710.00		\$0.00		\$0.00	0.0	\$0.00
3	Environmental Technician II	HR	19	\$110,00	\$1,320.00		\$0.00		\$0.00	0.0	\$0.00
4	Planning / Technical Specialist	HR	12		\$0.00	1	\$0.00		\$0.00	0.0	\$0,00
5	Per Diem	Day	0	\$50.00	φυ.υυ	-					
				77.7							
3	Public Involvement (including Legal Ads. Public Hearings, Do-	uments, Pre	sentations, WVDEP	s Website, etc.)	\$1,850.00	+	\$0.00		\$0.00	0.0	\$0.00
1	Project Manager / Senior Engineer	HR	10	\$185.00	\$0.00		\$0.00		\$0.00	0.0	\$0.00
2	Engineer / Technical Scientist	HR	0	\$120.00	\$0.00	_	\$0.00		\$0.00	0.0	\$0.00
3	Environmental Technician II	HR	0	\$90.00	\$0.00	-	\$0,00		\$0,00	0.0	\$0.00
4	Planning / Technical Specialist	HR	0	\$110.00	\$0,00		\$0,00		\$0.00	0.0	\$0.00
5	Per Diem	Day	0	\$50.00	30,00						
$\Box$	Studies, Surveys & Mitigation Plans (as applicable) [Water Sa	mpling (1 ro	and) Wetland/Stream	n Deliniation & Repo	rt]				20.00	0,0	\$0.00
c		HR	22	\$185.00	\$4,070.00		\$0.00		\$0.00	0.0	\$0.00
1	Project Manager / Senior Engineer	HR	45	\$120.00	\$5,400.00		\$0.00		\$0.00		\$0.00
2	Engineer / Technical Scientist	HR	25	\$90.00	\$2,250.00		\$0.00		\$0.00	0.0	50,00
3	Environmental Technician II	HR	8	\$110,00	\$880.00		\$0.00			1 00	\$0.00
4	Planning / Technical Specialist	Mile	450	\$0.70	\$315.00		\$0.00		\$0.00	0.0	\$0.00
5	Mileage	Dav	2	\$50.00	\$100.00		\$0.00		\$0.00	0.0	30,00
6	Per Diem	Day								-	
	CATEX / EA / FONSI / EIS						\$0.00	-	\$0,00	0.0	\$0.00
1	Project Manager / Senior Engineer	HR	16	\$185.00	\$2,960.00		\$0.00	+	\$0,00	0.0	\$0.00
7	Engineer / Technical Scientist	HR	20	\$120.00	\$2,400,00			+	\$0.00	0.0	\$0.00
2	Environmental Technician II	HR	20	\$90.00	\$1,800.00		\$0.00	+	\$0,00	0.0	\$0.00
4	Planning / Technical Specialist	HR	- 8	\$110.00	\$880.00		\$0.00	1	\$0.00	0.0	\$0.00
4	Per Diem	Day	0	\$50.00	\$0,00		\$0.00				
3	1 of North			SUBTOTAL PAGE 2 COST	\$33,025.00	SUBTOTAL PAGE 2	\$0.00	SUBTOTAL PAGE 2 THIS APPLICATION	\$0.00	SUBTOTAL PAGE 2 TO DATE	\$0.00

Cont	rchase Order No.: CPO DEPxx*xx ntract Name: 2023 AML Contract S(4)		CONTINUA	TION SHEET	OF APPLICAT	ION AND CERT	ABANDONED MINE I	ANDS & RECLAN	MATION			
	nimodity Line: 12							Application No.:	1			
Proje	ject Name: Lanham (Workman) Portals					Page 3 of 6 Pages						
	COURT											
		DULE PER CONT	RACT			DDW			COMPLETED			
TA	ASK DESCRIPTION	UNIT	CONTRACT	UNIT BID		PREVIOUS	PREVIOUS BILLED	THIS APPLICATION	AMOUNT DUE THIS	3		
T		UNIT	QUANTITY		COST	UNITS	00==	AFFLICATION	APPLICATION	TOTAL	BILLED TO DATE	
ASK	SK II: REALTY					OTTES	COST	UNITS	COST	UNITS COST		
4	Exploratory Rights of Entry (EROE)									Didis	COST	
1	Project Manager / Senior Engineer											
2	2 Realty Agent	HR	10	\$190.00	\$1,900.00					-		
	a Courthouse Work		U		\$0.00		\$0.00	1	\$0,00			
	b Field Reconnaisance / Landowner Correspondence	HR	6	\$175.00	\$1,050.00				\$0,00	0.0	\$0.00	
	c Office Work / AMLNET	HR	10	\$175.00	\$1,750.00		\$0.00		\$0.00			
3		HR	4	\$175.00	\$700.00		\$0.00		\$0.00	0.0	\$0.00	
4	4 Per Diem	Mile	330	\$0.70	\$231,00		\$0.00		\$0.00	0.0	\$0.00	
		Day	1	\$50.00	\$50,00		\$0.00		\$0.00	0,0	\$0.00	
	Construction Rights of Entry (CROE)				\$50,00		\$0.00		\$0,00	0.0	\$0.00	
1	Project Manager / Senior Engineer								30.00	0.0	\$0,00	
2	Realty Agent	HR	10	\$190,00	\$1,900.00							
	a Courthouse Work				Ψ1,200.00		\$0.00		\$0.00			
	b Field Reconnaisance / Landowner Correspondence	HR	4	\$175.00	\$700,00				30.00	0.0	\$0.00	
	c Office Work / AMLNET	HR	10	\$175.00	\$1,750,00		\$0.00		\$0.00			
3	Mileage	HR	2	\$175.00	\$350.00		\$0.00		\$0.00	0.0	\$0.00	
4	Per Diem	Mile	330	\$0.70	\$231.00	-	\$0.00		\$0.00	0.0	\$0.00	
		Day	11	\$50.00	\$50.00		\$0.00		\$0.00	0.0	\$0.00	
	Pre-Bid Conference				\$30.00		\$0.00		\$0.00	0.0	\$0.00	
1	Realty Agent								\$0.00	0.0	\$0.00	
2	Mileage	HR	5	\$175.00	\$875.00							
		Mile	160	\$0.70	\$112.00		\$0.00		\$0.00			
	Pre-Construction Conference				P112,00		\$0.00		\$0.00	0.0	\$0.00	
1	Realty Agent								30.00	0.0	\$0.00	
2	Mileage	HR	5	\$175.00	\$875,00							
		Mile	160	\$0.70	\$112.00		\$0.00		\$0.00			
					9112,00		\$0.00		\$0.00	0,0	\$0.00	
									30.00	0,0	\$0.00	
·7A (R	(Revised 7/5/2023)			SUBTOTAL		CHPTOTAL						
				PAGE 3 COST	\$12,636.00	SUBTOTAL PAGE 3	\$0.00	SUBTOTAL				
								PAGE 3 THIS				

	WEST '	VIRGINIA D	EPARTMENT (	JF ENVIRONME	A DDI ICATION	AND CERTI	BANDONED MINE LAI FICATE FOR PAY	MENT		Page 4 of 6	Pages	
		CO	NTINUATIO	N SHEET OF	APPLICATION	THE CHARLE	FICATE FOR PAY	Application No.: 1		× 48-		
	Order No.: CPO DEPxx*xx											
rchase (						WORK COMPLETED						
mmodi	Line: 12							THIS	AMOUNT DUE THIS	TOTAL BILLED TO DATE		
oject Na	me: Lanham (Workman) Portais					PREVIOUS	PREVIOUS BILLED	APPLICATION	APPLICATION			
	SCHEDULE P	ER CONTRA	CT						COST	UNITS	COST	
			CONTRACT	UNIT BID		UNITS	COST	UNITS				
TASK	DESCRIPTION	UNIT	QUANTITY	PRICE								
TAGIC												
				-					\$0,00	0.0	\$0.00	
ASK III	: DESIGN SITE RECONNAISSANCE AND INVESTIGATIONS				\$630.00		\$0.00			0.0	\$0.00	
4		HR	3	\$210,00		1	\$0.00		\$0.00	0.0	\$0.00	
1	Senior Project Manager	HR	10	\$190.00	\$1,900.00		\$0.00		\$0,00	0.0	\$0.00	
2	Project Manager	Mile	160	\$0.70	\$112.00	+	\$0.00		\$0.00	0.0		
3	Mileage	Day	1	\$50.00	\$50.00	-						
4	Per Diem					-					\$0.00	
		+				-	\$0.00		\$0.00	0.0	\$0.00	
В	SURVEYING & MAPPING	HR	8	\$190.00	\$1,520.00		\$0.00		\$0.00	0.0	\$0.00	
1	Project Manager / Senior Engineer	HR	1	\$115.00	\$115.00	-	\$0.00		\$0.00	0.0	\$0.00	
2	Staff Engineer	HR	0	\$145.00	\$0.00		\$0.00		\$0.00	0.0		
3	Professional Surveyor / Chief Surveyor	_	8	\$95.00	\$760.00		\$0.00		\$0.00	0.0	\$0,00	
4	Survey Crew	HR	0	\$110.00	\$0.00			-	\$0.00	0,0	\$0.00	
5	Senior Technician	HR	0	\$250.00	\$0,00		\$0.00		\$0.00	0.0	\$0.00	
6	Topographic, Planimetric and Check Surveying	Acre	160	\$0,70	\$112.00		\$0.00	_	\$0.00	0.0	\$0.00	
7	Mileage	Mile		\$50.00	\$50.00		\$0.00					
8	Per Diem	Day	1	950.00				_				
0	Tot Brown		1						00.02	0.0	\$0.00	
-	GEOTECHNICAL INVESTIGATION			6010.00	\$2,520.00		\$0.00		\$0.00	0.0	\$0.00	
C	Project Manager / Senior Engineer	HR	12	\$210.00	\$1,480.00		\$0.00		\$0.00	0.0	\$0.00	
1	Geotechnical Engineer/Geologist	HR	- 8	\$185.00	\$3,500.00		\$0.00		\$0.00	0.0	\$0.00	
2		LS	1	\$3,500.00	\$1,920.00		\$0.00		\$0.00	0.0	\$0.00	
3	Mobilization / Demobilization	LF	60	\$32.00	\$21,000.00		\$0.00		\$0.00	0.0	\$0.00	
4	Soil Augering	LF	300	\$70.00	\$5,700.00		\$0.00			0.0	\$0.00	
5	Rock Coring	HR	30	\$190.00			\$0.00		\$0.00	0.0	\$0.00	
6	Heavy Equipment	LF	125	\$25.00	\$3,125.00		\$0.00		\$0.00	0.0	\$0.00	
7	Piezometer Installation	Day	6	\$370.00	\$2,220.00		\$0.00		\$0.00	0.0	\$0.00	
8	Drill Crew Per Diem	LS	LL_	\$3,000,00	\$3,000.00		\$0.00		\$0.00	0.0	\$0.00	
5		LS	0	\$0.00	\$0,00		\$0,00		\$0.00	0.0	\$0.00	
1	Geotechnical Investigation Report	Mile	200	\$0.70	\$140.00	_	\$0.00		\$0.00	0,0	20,00	
1	1 Mileage	Day		\$50.00	\$0.00					_		
1	2 Per Diem	249		SUBTOTAL	\$49,854.00	SUBTOTA PAGE 4		SUBTOTAL PAGE 4 THI APPLICATIO	S \$0.00	SUBTOTAL PAGE 4 TO DATE	\$0.00	

AML-7A (Revised 7/5/2023)

-74 M	Sevised 7/5/2023)			SUBTOTAL		SUBTOTAL			\$0.00	0.0	\$0.00
		TATHE	160	\$0.70	\$112.00		\$0,00		\$0.00	0.0	\$0.00
3	Mileage	Mile	5	\$116.00	\$580.00		\$0.00		\$0.00	0.0	\$0.00
2	Construction Inspector	HR	5	\$190.00	\$950,00		\$0.00				
1	Project Manager / Senior Engineer	HR									\$0.00
-	PRE-CONSTRUCTION CONFERENCE						\$0,00		\$0.00	0.0	\$0.00
$\vdash$		Day	1	\$50.00	\$50.00		\$0.00		\$0.00	0.0	\$0.00
5	Per Diem	Day	1	\$0.70	\$112.00		\$0.00		\$0.00	0,0	\$0.00
3	Mileage	Mile	160	\$190.00	\$950.00		\$0.00				
2	Project Manager / Senior Engineer	HR	5	\$100.00							
1,+	PRE-BID CONFERENCE								\$0.00	0.0	\$0.00
+	PDF DID CONTROL			\$115.00	\$1,150.00		\$0.00		\$0.00	0.0	\$0.00
++	CADA Technician	HR	10	\$115.00	\$0.00		\$0.00		\$0.00	0.0	\$0.00
4	CADD Technician	Mile	0	\$105.00	\$2,875.00		\$0.00			0.0	\$0.00
3	Mileage	HR	25	\$115.00			\$0.00		\$0.00		
2	Engineer / Environmental Scientist	HR	20	\$190,00	\$3,800,00						
1	Project Manager / Senior Engineer								90.00	0.0	\$0.00
	PERMITTING [NPDES]				95,450,00	_	\$0.00		\$0.00	0.0	\$0.00
		HR	30	\$115.00	\$3,450,00		\$0.00		\$0.00	0.0	\$0.00
5	CADD Technician	HR	20	\$115.00	\$2,300.00		\$0.00		\$0.00		\$0.00
4	Staff Engineer	HR	2	\$120.00	\$240.00	1	\$0.00		\$0.00	0.0	\$0.00
3	Enviornmental Specialist	HR	40	\$190.00	\$7,600.00		\$0.00		\$0.00	0.0	
2	Project Manager	HR	6	\$210.00	\$1,260.00		20.00				
1	Troject Mittiagei										30,00
E	PREPARATION OF PLANS, SPECIFICATIONS Senior Project Manager	AND ENGINEERS	CTILE				30,00		\$0.00	0.0	\$0.00
-				\$115.00	\$1,725.00		\$0,00		\$0.00	0.0	\$0.00
5	CADD Technician	HR'	15	\$115.00	\$1,150.00		\$0.00		\$0.00	0,0	\$0.00
-	Staff Engineer	HR	10	\$120.00	\$480.00		\$0.00		\$0.00	0.0	\$0.00
4		HR	4		\$4,180.00		\$0.00		\$0.00	0.0	\$0,00
3	- to just Istaining ()	HR	22	\$190.00	\$840.00		\$0,00				
2	Senior Project Manager	HR	4	\$210.00							
1	Senior Project M										
D	ANALYSIS AND DESIGN									UNITS	COST
TASK	III: DESIGN (CONTINUED)			PAICE	5557	UNITS	COST	UNITS	COST	LINITEDO	
1710	DESCRIPTION	UNIT	CONTRACT QUANTITY		COST	YINYINA		APPLICATION	APPLICATION	TOTAL	BILLED TO DATE
TAS		EDULE PER CONTI	RACT			PREVIOUS	PREVIOUS BILLED	THIS	AMOUNT DUE THIS		
Proje	ct Name: Lanham (Workman) Portals							110		Pa	ge 5 of 6 Pages
Comr	modity Line: 12							Application No.:	1		
Conti	hase Order No.: CPO DEPxx*xx ract Name: 2023 AML Contract S(4)				OF AFFLICAT	ION AND CERT	ABANDONED MINE L	YMENT	MITON		
Tall	Mase Under No : CDO DED 4		COLITITION	THE SHEET I	' f ME' A DINT TO A DE	Y-0	THE PARTY IN THE LAND IN THE PARTY IN THE PA	ANDS & RECLAX	A TION		

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-	_		C	ONTINUATION	SHEET OF	APPLICATION	TD CITY		Application No.:		rage o or o	A Highes		
	on O	rder No.: CPO DEPxx*xx												
	ct N						WORK COMPLETED							
		Line: 12							THIS	AMOUNT DUE THIS	TOTAL BILLED	) TO DATE		
oject	Nar	ne: Lanham (Workman) Portals					PREVIOUS	PREVIOUS BILLED	APPLICATION	APPLICATION				
		SCHEL	OULE PER CONTR	ACT					VINTERO.	COST	UNITS	COST		
				COLLEGE	UNIT BID	COST	UNITS	COST	UNITS	(031				
TAS	K	DESCRIPTION	UNIT	QUANTITY	PRICE									
Т	Т													
CE	137	CONSTRUCTION OVERSIGHT								40.00	0.0	\$0.00		
T		Construction Inspection			6100.00	\$3,800,00		\$0.00		\$0.00	0.0			
+	+	Project Manager / Senior Engineer	HR	20	\$190.00	05,0001				40.00	0,0	\$0.00		
+		Construction Inspector			0115.00	\$37,120.00		\$0.00		\$0.00	0.0	\$0.00		
1		Construction Inspection	HR	320	\$116.00	\$3,712.00		\$0,00	-	\$0.00	0.0	\$0.00		
+		Office Work / AMENET	HR	32	\$116.00	\$1,960.00		\$0,00		\$0,00	0.0	\$0.00		
+	_	Mileage	Mile	2800	\$0.70	\$1,000.00		\$0.00		\$0,00	0.0			
+	-	Per Diem	Day	20	\$50,00	\$1,000.00								
+	- a	Per Dient									-			
1 01	7.37	POST-CONSTRUCTION OVERSIGHT									0,0	\$0.00		
_	V:	FIELD VISITS / INSPECTIONS				\$3,800.00		\$0,00		\$0.00	0.0	\$0,00		
A	+	Project Manager / Senior Engineer	HR	20	\$190.00	\$2,784.00		\$0.00		\$0.00	0.0	\$0,00		
+	1	Construction Inspector	HR	24	\$116.00	\$70.00		\$0.00		\$0.00	0.0			
-	2	Mileage	Mile	100	\$0.70	\$70.00					-			
+	3	Mileage												
+	+										+			
4	+													
-	+										-			
4	+										+			
-	+										+			
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	-						SUBTOTAL		SUBTOTAL	\$0,00	SUBTOTAL PAGE 6 TO DATE	\$0.00		
Ш	_				SUBTOTAL	\$54,246.00	PAGE 6	\$0.00	PAGE 6 THIS APPLICATION		PAGE B TO DATE			
					PAGE 6 COST		PREVIOUS			_	T			
							PROJECT		PROJECT TOTAL THIS		PROJECT TOTAL TO DATE	\$		
			PROJECT TOTAL COST		TOTAL PREVIOUS	1 40	.00 APPLICATIO	N \$0.0	JO 10170 10 21110					

Purchase Order N	No.: CPO DEPxx*xx		CONTINUATI	ION SHEET	OF APPLICATIO	N AND CERT	ABANDONED MINE LA	ANDS & RECLAN	IATION		
Contract Name: 2023 AML Contract S(4)  Commodity Line: N/A  Project Name: N/A							TOTALS HERE COID	Application No.:	1 EPARATE 'SHEET' SO SHEET', AND PAGE NUM	Page 1	C of X Pages ROJECT TOT
SCHEDULE PER CONTRACT								WORK COMPLETED		ADERS CORRECT)	D AS NEEDED
TASK	DESCRIPTION	DESCRIPTION UNIT	CONTRACT UNIT BID			PREVIOUS	REVIOUS PREVIOUS BILLED	APPLICATION	AMOUNT DUE THIS APPLICATION	TOTAL BILLED TO DATE	
			QUANTITY	PRICE	UNIT BID PRICE	UNITS	COST	UNITS	COST	UNITS	COST
											C031
								-			