



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: 02-16-2023

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 DEP2300000006 3	Procurement Folder:	1014779
Document Name:	EOI - Sullivan Refuse and Clogged Stream	Reason for Modification:	CO #2 Increase
Document Description:	AML/Sullivan Refuse and Clogged Stream CO #2 Increase		
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	Effective Start Date:	2022-09-16
Free on Board:	FOB Dest, Freight Prepaid	Effective End Date:	2025-09-14

VENDOR		DEPARTMENT CONTACT		
Vendor Customer Code:	000000204787	Requestor Name:	Jessica S Chambers	
THE THRASHER GROUP INC 600 WHITE OAKS BLVD		Requestor Phone:	304-926-0499	
BRIDGEPORT WV 26330 US		Requestor Email:	jessica.s.chambers@wv.gov	
Vendor Contact Phone:	304-343-7601	<div style="font-size: 48pt; font-weight: bold;">23</div> <div style="font-size: 18pt; font-weight: bold;">FILE LOCATION _____</div>		
Extension:				
Discount Details:				
Discount Allowed	Discount Percentage			Discount Days
#1 No	0.0000			0
#2	Not Entered			
#3	Not Entered			
#4	Not Entered			

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

2-17-23 BAT

Total Order Amount:	\$138,665.58
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Purchasing Division's File Copy

ENTERED

JA 2-17-2023

PURCHASING DIVISION AUTHORIZATION DATE: <i>M. K. [Signature]</i> 2/17/2023 ELECTRONIC SIGNATURE ON FILE	ATTORNEY GENERAL APPROVAL AS TO FORM DATE: <i>John S. [Signature]</i> ELECTRONIC SIGNATURE ON FILE	ENCUMBRANCE CERTIFICATION DATE: <i>Beverly Toler</i> 2-24-23 ELECTRONIC SIGNATURE ON FILE
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2/24/2023

Extended Description:

Change Order

Change Order No. 2 issued to increase the contract according to all terms, conditions and specifications contained in the contract including all authorized change orders.

Original Contract Sum: \$124,011.08
Change Order #2 Increase: \$14,654.50

New Contract Total: \$138,665.58

Effective Date: February 20, 2023

All provisions of the of the original contract and the subsequent change orders not modified herein shall remain in full force and effect. No other changes.

Line	Commodity Code	Quantity	Unit	Unit Price	Total Price
1	81100000	0.00000		0.000000	138665.58
Service From	Service To	Manufacturer	Model No		

Commodity Line Description: EOI Engineering Design Services

Extended Description:

EOI Engineering Design Services



APPROVED
2/17/23

west virginia department of environmental protection

Division of Land Restoration
Office of Abandoned Mine Lands
1159 Nick Rahall Greenway
Fayetteville, WV 25840
Phone: 304-574-4465

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

January 24, 2023

The Thrasher Group, Inc.
Attn: Brian Knight
155 Blue Angel Lane
Beaver, WV 25813

Re: Change Order No. + 2 ~~AK~~
Sullivan Refuse and Clogged Stream
~~0122*06~~ CPO: DEP23*06 ~~AK~~

The exact location of the coal seams/voids was unknown and unable to be located during the initial drilling attempts. To acquire the necessary design data, additional drill footage was required. Change Order No. 2, ^{kjd} in the amount of \$14,654.50, reflects the additional drill footage needed, and the associated administrative costs. The project completion date will remain the same.

Change Order Approved by WVDEP:

Name	Title	Signature	Date
Mark R. Proctor	WWDEP-AML		01-24-23

Completion of this change order approval process requires your signature below and a current copy of your insurance certificate. WVDEP must be listed as additional insured and the contract number must be listed in the extended description.

I agree with the changes as outlined in this letter and Attachment A.

Name	Title	Signature	Date
Brian Knight	Project Manager		01-25-2023

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

Change Order No. ~~1~~ 2 kjd
Attachment A

Purchase Order Number: DEP23*06
Change Order Number: ~~1~~ 2 kjd
Project Name: Sullivan Refuse and Clogged Stream
Vendor/Contractor: The Thrasher Group, Inc.

The following changes will be implemented as part of this contract change order:

	DESCRIPTION	UNITS	UNIT PRICE	LINE-ITEM TOTAL	CHANGE ORDER UNIT INCREASE	CHANGE ORDER TOTAL	CHANGE ORDER LINE ITEM INCREASE
TASK II: Field Surveying							
B. Professional Services:							
I. Professional Staff:							
106	Survey Manager	4.00 Hrs.	\$130.00	\$520.00	6.00 Hrs.	\$780.00	\$260.00
107	1 Person Crew	20.00 Hrs.	\$95.00	\$1,900.00	30.00 Hrs.	\$2,850.00	\$950.00
104	Staff Engineer	10.00 Hrs.	\$105.00	\$1,050.00	20.00 Hrs.	\$2,100.00	\$1,050.00
105	CAD Tech II	4.00 Hrs.	\$100.00	\$400.00	12.00 Hrs.	\$1,200.00	\$800.00
TASK II: Field Surveying Change Order Increase Amount:							\$3,060.00
TASK III: Drilling Services							
A. Professional Services:							
I. Professional Staff:							
103	Project Manager	4.00 Hrs.	\$165.00	\$660.00	8.00 Hrs.	\$1,320.00	\$660.00
309	Supervision and Boring Log Preparation	20.00 Hrs.	\$150.00	\$3,000.00	28.00 Hrs.	\$4,200.00	\$1,200.00
C. Field Services:							
I. General Drilling/Subsurface Exploration Services							
302	Soil Drilling	270.00 Ft.	\$35.00	\$9,450.00	300.00 Ft.	\$10,500.00	\$1,050.00
303	Rock Coring	300.00 Ft.	\$60.00	\$18,000.00	378.70 Ft.	\$22,722.00	\$4,722.00
304	Water Hauling/Pumping	35.00 Hrs.	\$85.00	\$2,975.00	40.00 Hrs.	\$3,400.00	\$425.00
305	Temporary Piezometer Installation	132.00 Ft.	\$25.00	\$3,300.00	143.00 Ft.	\$3,575.00	\$275.00
307	Dozer/Excavator Site Work	4.00 Day	\$2,175.00	\$8,700.00	5.50 Day	\$11,962.50	\$3,262.50
TASK III: Drilling Services Change Order Increase Amount:							\$11,594.50

Original contract sum:	\$124,011.08
Net change by previous change orders:	\$0
Contract sum prior to this change order:	\$124,011.08
Contract sum will be increased by this change order:	\$14,654.50
New contract sum including this change order:	\$138,665.58
Contract time (days) will be unchanged:	0
The date of completion will be unchanged:	September 14, 2025



ARCHITECTURE
ENGINEERING
FIELD SERVICES

WVDEP - Division of Land Restoration
Office of Abandoned Mine Lands and Reclamation
1159 Nick Rahall Greenway
Fayetteville, WV 25840

RE: DEP23*06 Sullivan Refuse & Clogged Stream Drilling Services Change Order Request

Mr. Proctor,

We are requesting a change order for the drilling, surveying and professional services associated with the piezometer installation and subsurface investigation through borehole drilling at the above-mentioned project site.

ITEM #	DESCRIPTION	UNITS	UNIT PRICE	LINE-ITEM TOTAL	CHANGE ORDER UNIT INCREASE	CHANGE ORDER TOTAL INCREASE	CHANGE ORDER LINE ITEM INCREASE
TASK II: Field Surveying							
B. Professional Services:							
I. Professional Staff:							
106	Survey Manager	4.00 Hrs.	\$130.00	\$520.00	6.00 Hrs.	\$780.00	\$260.00
107	1 Person Crew	20.00 Hrs.	\$95.00	\$1,900.00	30.00 Hrs.	\$2,850.00	\$950.00
104	Staff Engineer	10.00 Hrs.	\$105.00	\$1,050.00	20.00 Hrs.	\$2,100.00	\$1,050.00
105	CAD Tech II	4.00 Hrs.	\$100.00	\$400.00	12.00 Hrs.	\$1,200.00	\$800.00
TASK II: Field Surveying Change Order Increase Amount:							\$3,060.00
TASK III: Drilling Services							
A. Professional Services:							
I. Professional Staff:							
103	Project Manager	4.00 Hrs.	\$165.00	\$660.00	8.00 Hrs.	\$1,320.00	\$660.00
309	Supervision and Boring Log Preparation	20.00 Hrs.	\$150.00	\$3,000.00	28.00 Hrs.	\$4,200.00	\$1,200.00
C. Field Services:							
I. General Drilling/Subsurface Exploration Services							
302	Soil Drilling	270.00 Ft.	\$35.00	\$9,450.00	300.00 Ft.	\$10,500.00	\$1,050.00
303	Rock Coring	300.00 Ft.	\$60.00	\$18,000.00	378.70 Ft.	\$22,722.00	\$4,722.00
304	Water Hauling/Pumping	35.00 Hrs.	\$85.00	\$2,975.00	40.00 Hrs.	\$3,400.00	\$425.00
305	Temporary Piezometer Installation	132.00 Ft.	\$25.00	\$3,300.00	143.00 Ft.	\$3,575.00	\$275.00
307	Dozer/Excavator Site Work	4.00 Days	\$2,175.00	\$8,700.00	5.50 Days	\$11,962.50	\$3,262.50
TASK III: Drilling Services Change Order Increase Amount:							\$11,594.50

Task II: Field Surveying will change from a total of \$3,870.00 to \$6,930.00 which represents a total increase of \$3,060.00. The following is a line-item summary for the Task II changes.

- Task II, Line Item 106, Survey Manager – We are requesting an additional 2 hours of Survey Manager time to allow for additional survey work, coordination, scheduling, and data review associated with the increase in exploratory drilling and piezometer locations. This line item will change from \$520.00 to \$780.00, representing an increase of \$260.00.
- Task II, Line Item 107, 1 Person Crew – We are requesting an additional 10 hours of 1 Person Crew time to allow for additional survey field data collection, staking additional bore and

piezometer locations and associated topographical survey date. This line item will change from \$1,900.00 to \$2,850.00, representing an increase of \$950.00.

- Task II, Line Item 104, Staff Engineer – We are requesting an additional 20 hours of Staff Engineer time to allow for additional research for abandoned mine mapping information to be used to identify locations for exploratory drilling, process and verify collected field data associated with additional areas and mine portals identified for exploratory drilling and piezometers. This line item will change from \$1,050.00 to \$2,100.00, representing an increase of \$1,050.00.
- Task II, Line Item 105, CAD Tech II – We are requesting an additional 8 hours of CAD Tech II time to allow for additional drafting and map generation associated with the increase in exploratory drilling and piezometer locations. This line item will change from \$400.00 to \$1,200.00, representing an increase of \$800.00.

Task III: Drilling Services will change from a total of \$51,599.00 to \$63,193.50 which represents a total increase of \$11,594.50. The following is a line-item summary for the Task II changes.

- Task III, Line Item 103, Project Manager – We are requesting an additional 4 hours of Project Manager time to allow for project oversight and management of survey team and drilling crew. This line item will change from \$660.00 to \$1,320.00, representing an increase of \$660.00.
- Task III, Line Item 309, Supervision and Boring Log Preparation – We are requesting an additional 8 hours of Supervision and Boring Log Preparation time to allow for onsite supervision and boring log preparation associated with the increase in exploratory drilling and piezometer locations. This line item will change from \$3,000.00 to \$4,200.00, representing an increase of \$1,200.00.
- Task III, Line Item 302, Soil Drilling – We are requesting an additional 30 linear feet of Soil Drilling associated with increased exploratory drilling and piezometer locations. This line item will change from \$9,450.00 to \$10,500.00, representing an increase of \$1,050.00.
- Task III, Line Item 303, Rock Coring – We are requesting an additional 78.70 linear feet of Rock Coring associated with increased exploratory drilling and piezometer locations. This line item will change from \$18,000.00 to \$22,722.00, representing an increase of \$4,722.00.
- Task III, Line Item 304, Water Hauling/Pumping – We are requesting an additional 5 hours of Water Hauling/Pumping associated with increased exploratory drilling and piezometer locations. This line item will change from \$2,975.00 to \$3,400.00, representing an increase of \$425.00.
- Task III, Line Item 305, Temporary Piezometer Installation – We are requesting an additional 11 linear feet of Temporary Piezometer Installation associated with increased exploratory drilling and piezometer locations. This line item will change from \$3,300.00 to \$3,575.00, representing an increase of \$275.00.
- Task III, Line Item 307, Dozer/Excavator Site Work – We are requesting an additional 1.5 days of Dozer/Excavator Site Work associated with increased exploratory drilling and piezometer

locations. This line item will change from \$8,700.00 to \$11,962.50, representing an increase of \$3,262.50.

In summary, we are requesting a change order in the amount of \$14,654.50 to account for the increases as described above. The current contract amount of \$124,011.08 will change to a new amount of \$138,665.58 representing a net increase of \$14,654.50.

Should you have any questions or would like to discuss, feel free to contact me at 304-431-7800 or bknight@thethrashergroup.com.

Thank you,

A handwritten signature in black ink, appearing to read 'B. Knight', is positioned above the typed name.

Brian Knight
Project Manager
The Thrasher Group, Inc.