

Public Contract Application for Contractual Changes

Engineering and Construction Department

485 N. Poplar, Broken Arrow, OK. 74012 Fax: 918-259-8453 - Office: 918-259-7000

Contract Change Order # 1

Truesday, February 12, 2019 Contractor: Crossland Heavy Contractors Summary of Change in Scope of Work The following scope of work consisting of work location, work discription, established quantities, and timeline for completion has been review and agreed upon by the contractor, the origin funding department, and the Engineering and Construction Department. Change of Work Items Included in this Change Order: During construction of the East Nashville Street project, the contractor found that the existing site conditions has a limestone rock shell approximately? feet below existing surface elevations. The plans or geotechnical report did not show or disclose encountering rock due site investigations nor had specifications notifying the contractor found that the existing site conditions has a limestone rock shell approximately? feet below existing surface elevations. The plans or geotechnical report did not show or disclose encountering rock due site investigations nor had specifications notifying the contractor found that the existing site conditions has a limestone rock shell approximately? feet below existing surface elevations. The plans or geotechnical report did not show or disclose encountering rock due site investigations nor had specifications notifying the contractor or cavavated the rock through a feet to everage the contractor requised reimbursement request for said rock excavations for payment. Thus, the expenses for rock excavation of payment. Thus, the expenses for rock excavation of payment. Thus, the expenses of blassing operations localized in the new storm sewer trench excavations along with the storm sewer outfall channel at the creek. The below cost summarize the contractor excavated the rock through the late of the least Nashville Project. Change in Contractual Project Time: 1) Additional Documents Attached: Yes Note Order Quantities Verk Order Quantities Verk Order Quantities Verk Order Quantities Verk Order Quantities Total Previous Change Orders: Summary of Project Costs To	Project Name:	East Na	shville S	treet			Project	Number:	EI	D1701
Summary of Change in Scope of Work The following scope of work consisting of work location, work description, established quantities, and timeline for completion has been review and agreed upon by the contractor, the origin funding department, and the Engineering and Construction Department. Change of Work Items Included in this Change Order: During construction of the East Nashville Street project, the contractor found that the existing site conditions has a limestone rock she approximately 7 feet below existing surface elevations. The plans or geotechnical report did not show or disclose encountering rock du site investigations nor had specifications notifying the contractor of rock excavations for payment. Thus, the expenses for rock excavation operations localized in the new storm sever trench exeavations along with the storm sever outfall channel at the creek. The below cost summarize the contractor requested reimbursement request for said rock excavation required to install the storm sewer system as part of the East Nashville Project. Change in Contractual Project Time: 1) Additional time on this project will be addressed on a later change order. Plan Sheets or Additional Documents Attached: Yes	Project Location: E.	E. Nashville on Lynn Lane between 81st and 91st					Date of Application: Tue		Гuesday, Fe	bruary 12, 2019
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Change of Work Items Included in this Change Order: During construction of the East Nashville Street project, the contractor found that the existing site conditions has a limestone rock she approximately 7 feet below existing surface elevations. The plans or geotechnical report did not show or disclose encountering rock due site investigations nor had specifications norificate elevations. The plans or geotechnical report did not show or disclose encountering rock due site investigations nor had specifications norificate elevations. The plans or geotechnical report did not show or disclose encountering rock due site investigations nor had specifications norificate elevations. The plans or geotechnical report did not show or disclose encountering rock due site investigations nor had specifications notifying the contractor of reversal to the expenses for rock excavation operations localized in the new storm sewer trench excavations along with the storm sever outfall channel at the creek. The below cost summarize the contractor requested reimbursement request for said rock excavation required to install the storm sewer system as part of the East Nashville Project. Change in Contractual Project Time: 1) Additional time on this project will be addressed on a latter change order: 2) Yes			Sumi	mary of	f Change i	n Scope	of Work			
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Plan Sheets or Additional Documents Attached:	During construction approximately 7 fee site investigations in 1) on the project shall operations localized summarize the confidence in Contractual Project.	n of the East Nashvet below existing su nor had specification be paid out separal in the new storm ractor requested re Project.	ille Stree irface ele ins notify: tely and t sewer trei imbursen	vations. The control of the control	The plans or ontractor of a hange order. vations along est for said r	geotechn rock exca The con g with the ock exca	ical report did vations for par tractor excavat s storm sewer o	not show or di yment. Thus, the ed the rock throutfall channel	sclose encore the expenses ough means at the creek	untering rock during for rock excavation of blasting. The below costs
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Total Change Cost: \$ 54,770	1 1	•				•			•	
Total Previous Change Orders: \$ - Original Contract Amount: \$ 1,507,000.00 Current Change Order: \$ 54,770.40 Amended Contract Amount: \$ 1,507,000.00 \$ 1,561,770.40 Amended Contract Amount: \$ 1,507,000.00 \$ 1,561,770.40 Amended Contract Amount: \$ 1,561,770.40 Amount Am							Total	Change Cost:	\$	54,770.4
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Total Cost of Change Orders: \$54,770.40 Percent Change in Contract: 3.65% Total Cost Applicable to CBA: \$54,770.40 Percent Change Applicable to CBA: 3.63% Change Order Authorization				5.1	770.40					
Total Cost Applicable to CBA: \$ 54,770.40 Percent Change Applicable to CBA: 3.63% Change Order Authorization Change Order # 1 in the sum of: \$ 54,770.40 has been reviewed by all parties and is recommended for approval by all parties and is recommended for ap										
Contractor Submitting Change Order: Name Signature Date										
Contractor Submitting Change Order: Name Signature Date				Chana	o Ordor Au	thorizoti	on			
Name Signature Date Construction Division Manager: Timothy S Robins, PE Name Signature Date Director of Engineering & Construction: Alex Mills, PE Name Signature Date Assistant City Manager - Operations: Kenneth D Schwab, PE Name Signature Date City Manager: Michael Spurgeon	Change Order #1	in the sum of:	\$					parties and is a	ecommende	ed for approval by:
Name Signature Date Construction Division Manager: Timothy S Robins, PE Name Signature Date Director of Engineering & Construction: Alex Mills, PE Name Signature Date Assistant City Manager - Operations: Kenneth D Schwab, PE Name Signature Date City Manager: Michael Spurgeon	Contractor Submitting Char	ge Order								
Name Signature Date Director of Engineering & Construction: Alex Mills, PE Name Signature Date Date Assistant City Manager - Operations: Kenneth D Schwab, PE Name Signature Date City Manager: Michael Spurgeon	Contractor Submitting Chan	ge Order.		Name			Signature			Date
Director of Engineering & Construction: Alex Mills, PE Name Signature Date Assistant City Manager - Operations: Kenneth D Schwab, PE Name Signature Date City Manager: Michael Spurgeon	Construction Division Mana	iger:	Timothy	y S Robii	ns, PE					
Name Signature Date Assistant City Manager - Operations: Kenneth D Schwab, PE Name Signature Date City Manager: Michael Spurgeon				Name			Signature			Date
Assistant City Manager - Operations: Kenneth D Schwab, PE Name Signature Date City Manager: Michael Spurgeon	Director of Engineering & C	Construction:	Ale		PE					D :
Name Signature Date City Manager: Michael Spurgeon							Signature			Date
City Manager: Michael Spurgeon	Assistant City Manager - Op	erations:	Kenneth		ab, PE		Signature			Date
	City Managary		Mial		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Signature			
	ny manager:	-	IVIICN	1 0	geon		Signature			Date
This Change is Executed Through:				This (hange is Evecu	ted Throng	h•			
	This change to the con	tract documents was a			or			Wednesday, Feb.		



14149 East Admiral Place

Tulsa, Oklahoma 74116

tel 918.438.2800

fax 918.438.2801

Date: January 18, 2019

Dear Tim Robins,

This letter is to address the additional costs associated with rock encountered during excavation of the storm sewer. Per the Geotechnical Engineering Report prepared by Olsson Associates, seven bores were taken to a depth of 5'-0. The report claims that in this 5'-0, samples of the soil taken consisted of sandy lean clay with various amounts of sand, fat clay, silty clay, and silt. Nowhere in the report does it claim rock was encountered.

I've attached a plan sheet showing where rock was encountered in orange. It also shows existing elevations, elevations that rock was encountered and flowline elevations.

In order to maintain on schedule and not suffer a serious delay, we hired a company to drill and blast the rock. This would allow us to excavate the rock at a faster pace. Without this effort, the job would have fell well behind schedule.

We blasted over 900 LF of storm sewer and over 1,200 CY in the area of the drainage ditch by the culde-sac.

I have attached a cost breakdown showing what we spent on the blasting sub and also the increase in labor, equipment and trucking to remove and haul off the rock.

Should you have any questions or comments please feel free to contact me at (918) 237-6445.

Respectfully,

Brett Rogers Crossland Heavy Contractors, Inc.

COST BREAKDOWN

	Project No. ED 1701	Date			
ect No.:	East Nashville Street				
tractor:	Crossland Heavy Contractors,	Inc.			
cription o	f Work: Storm Sewer Rock Ex	cavation			
	Materials:				
	Items	Units	Cost	Quantity	Amount
				Sub-Total	\$0.00
				Total	\$0.00
			•		
	Labor: Job Title	Rate/Hr.	Total	Hrs	Amount
	Operator	\$25.32	45.0		\$1,139.40
	Laborer	\$22.83	45.0		\$1,027.35
	Foreman	\$35.60	45.0	00	\$1,602.00
				Sub-Total	\$3,768.75
				Total	\$3,768.75
	Payroll Additives:		0/ of l	ahar	Amount
	Incurance		% of L		Amount
	Insurance Bond		8.00 0.00	1	\$301.50 \$0.00
	Social Security		7.65		\$288.3
	Taxes		3.80)%	\$143.2
	Worker's Compensation		22.0		\$829.1
	Employee Fringe Benefits		20.0	Total	\$753.73 \$2,315.9
			'		
	Equipment: Type		Cost/Hr.	Total Hrs.	Amount
	Excavator		\$115.25	45.00	\$5,186.2
	Loader		\$27.13	45.00	\$1,220.8
	Breaker		\$35.17 \$0.00	45.00 0.00	\$1,582.6 \$0.0
			ψ0.00	0.00	\$0.0
				Total	\$7,989.7
	Sub-Contractor Cost -				\$40,696.0
	Maril and On O. 1. C. 1. 1.	00()			\$0.0 \$54,770.4
	Mark-up On Sub-Contractor (1	0%)			
	Mark-up On Sub-Contractor (1 Contractor Cost Contractor Profit	0%)			
	Mark-up On Sub-Contractor (1 Contractor Cost	0%)			\$0.0
	Mark-up On Sub-Contractor (1 Contractor Cost Contractor Profit				\$0.00 \$54,770.40 \$54,770.40
	Mark-up On Sub-Contractor (1 Contractor Cost Contractor Profit Contractor Total	k Described	Total Quar		\$0.0 \$54,770.4

Printed Name:

01/18/19

The PEXCO Company L. L. C. 6731 W 121st St Ste 216 Overland Park, KS 66209



Invoice

Date	Invoice #
8/28/2018	18-1847

Bill To

Crossland Construction Company, Inc P.O. BOX 45 833 S. East Ave. Columbus, KS 66725

Job Location

Crossland Construction Company, Inc

BA East Nashville Street Job No.: 18018RD Contract No.: 012

P.O. No.	Terms	Due Date	Account #	Project
per Contract 012	2% 10 Net 30	9/27/2018		-

Date	Item	Qty	Description	Unit Price	Extension
8/20/2018 8/20/2018	Job Mobilizati Pre-blast Survey	1	Item 001 - Mob & Demob Item 002 - Pre-Blast Survey of buildings and other structures in and around the blasting	3,675.00 4,550.00	3,675.00 4,550.00
8/20/2018	P.V.C.E.	1	area - per local regulations and or request. Item 003 - Bonds & Permits	1,000.00	1,000.00
8/21/2018	Cu. Yds drilled	1,235	Item # 004 - Blast # 175052 - Drill & Blast - charged by the cubic yards drilled	2.96	3,655.60
8/23/2018	Lin. Ft Blasted	800	Item 005 - Blast # 175053 - Drill & Blast - charged by the linear feet of trench blasted	30.50	24,400.00
8/28/2018	Lin. Ft Blasted	112	based on depth Item 005 - Blast # 175055 - Drill & Blast - charged by the linear feet of trench blasted based on depth	30.50	3,416.00
		TI DEVOC	The state of the s		

PLEASE NOTE NEW REMIT TO: The PEXCO Company, LLC.-6731 W 121st St, Ste 216, Overland Park, KS 66209 EIN # 48-1237516 If you have any questions concerning this invoice, call: 913-205-1578 (late payments will incur 1.5% interest per month)

Thank you for your business.

Total

\$40,696.60

Balance Due

\$40,696.60



The PEXCO Company, LLC. 6731 W. 121st Street – Suite # 216 Overland Park, Kansas 66209 Phone (913) 907-5022 Fax (913) 273-0661 E-Mail rpilshaw@pdb-kc.com



BLAST REPORT

ATF&EPermit	t#. 5-KS-045-33-3K-00028	Kansas Us	sers Permit	Oklahoma B		Missouri Users Registration Certificate #7
Customer & Job:	Crawlord Broken Hope	1	Date:	r silim # r -c	8-2	1-18
Blast Location/			Time:		12:3	A.M. P.M.
Type of Material	136.073019 15.1110	<u></u>	Stem	ming	Min. 8	(ft.) Max. 7 (ft.)
No. of Holes	3		Туре	Stem.	1/2	"C
Diameter	Min. 4 (in)			f Rows:	5	
Depth	Min. 10 (ft.) Max. 12 (ft.)		Burde	en	Min. 9_	(ft.)
Subdrilling	3 (ft.)		Spac	ing	Min.	(ft.)
No. Decks/Hole			Maxii	num No. o	f Holes Per	Delay
Deck Separation	Min. (ft.)		Max.	Lbs,/Delay	of 8 ms. or	
Wt./Deck	Min. 70 (lbs.) Max. 14 (lbs	5.)	Powe	ier Facto	53-12	38 (109/voi) O. 6
Explosives	Size Amount (lbs)		Detona	ators/Dęlay	,MS	Amount (qty)
-ANEO / ANEO WI		· .	30'E2	pt 17/	35C)	<u> </u>
Unigel / Whimax	2x16 79= 70	2	Je) E	2769	حير	5
Dyno AP /		(/			
- Cast Primer						
Bulk Emulsion	78/#			ord – fee lt= -		
Other			Non-E	i Shock Tu	be ft 3	TO:
Were Mats Used?	/	7. 7			Scaled Dist	ance
,	17,014/11/11/11/11	E	Distance to			101
Weather kirlin	Temp. 83		Description	-	, ,	House
Wind Direction /	SE Velocity 5-10		Scaled Dist			=/90 Ds = 0/w
Type of initiation	☐ Elec. Non-electric		Seismogra Seismogra		nģ 🗶 Yes PPV =∕?	□ No ○ /ダ DB= /入/
Other Explain Type of Machine/C			Seismogra Seismogra			(Print)
type of machinere	All CON Transfer of the Control of t	Charren			1/2	(Sign)
Shot Results [☐. Good or Comments:		Seismogra	ph 7380	, 1	(-3.)
or comments		_	GPS Locat		36.07799	10-9577114
		۔ م		Company		= (1 3>6) /
Remarks: Produc	tion \$ 6.3 And depth	16.5	<u> </u>	Tid	118 2 1	- (HASTURYER
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Number of Indi	viduals in blasting Crew:	Bla	ster-in-Cha	rge		Krok b (Print)
	·			•		(Sign)
Customer Sign	ı – off for quantity					77
V					Lic,#	1558

Fed. Permit Number <u>5-KS-045-33-3K-00028</u> Permitee The PEXCO Company LLC. Location: 1-14 639885 0, 95778 Date: 8-2/-Time: 2:57 □ a.m. ☑ p.m. Customer & Job: Typical Typical Borehole Borehole Stemming Stemmin Indicate North



The PEXCO Company, LLC. 6731 W. 121st Street – Suite # 216 Overland Park, Kansas 66209 Phone (913) 907-5022 Fax (913) 273-0661 E-Mail rpilshaw@pdb-kc.com



BLAST REPORT

AIF&EPemi	t#. 5-KS-045-	33-3K-00028	Kansas Users Permit # DGEUL006	Oklahoma Blasting Permit # P-082	Missouri Users Registration Certificate # 7	
Customer & Job:	Croslend	Broken Ar	cow Date	· 8	23-18	
Blast Location: La	T+36.039427	Lon-95,7716	66 Time	e:	3:48 □ A.M. X P.M.	
Type of Material	Live 5th		Ster	nming <u>Min</u> .	7 (ft.) Max. 8 (ft.)	
No. of Holes	157		Тур	s Stem.	b"Ch	
Diameter	Min. 4 (in)		No.	of Rows:		
Depth	Min. 10 (ft.)	Max.// (ft.)	Bur		9 (ft.)	
Subdrilling	5 (ft.)		Spa		6 (ft.)	
No. Decks/Hole	11			imum No, of Hole		
Deck Separation	Min. (ft.)					os.)
Wt./Deck	$\frac{\text{Min}}{2}$ (ibs	.) Max 29 (lbs	.) Pow	der Factor \$5%	7,395 (ibs/vol) 2.7	
Explosives	Size	Amount (lbs)	_ Deton	ators/Delay MS	Amount (qty)	
ANFO / ANFO WE	X7		# 30'E	212/17/360	157	
Unigel Unimax	ZN6	151 = 32	2" Joise	27/17/2		
Dyno APT						-
Cast Primer						
Bulk Emulsion		3,521		ord - feet		
Other			Non-E	I Shock Tube ft	300	
00101					000	
	□ Vas 5 7 No					
Were Mats Used?	Yes No	-20001166		Scaled	Distance	
Were Mats Used? GPS of Hole # 1/11	136039927 60		Distance to	Scaled Closest Building	Distance 549	
Were Mats Used? GPS of Hole # ไส Weather Sonn	736039927 Con Temp	£3°	Distance to	Scaled Closest Building of Closest Building	Distance F19 ng House	
Were Mats Used? GPS of Hole # \(\square\) Weather \(\square\) Wind Direction	736039927 lon Temp 5-E Ve	locity 5-16	Distance to Description Scaled Dis	Scaled Closest Building of Closest Building tance	Distance 5/9. ng House 24-109 Ds = 0/w	
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Permitee The PEXCO Company LLC	Fed. Permit Number <u>5-KS-045-33-3K-00028</u>
Time: 3748 🗆 a.m. 🔯 p.m.	Location: Lett 16.63421 Con 96. 716.66 Date: \$5-23-18
Customer & Job:	-C Broken Heren
Indicate North	



The PEXCO Company, LLC. 6731 W. 1214 Street – State # 216 Overland Park, Kansas 66209 Phone (913) 907-5022 Fax (913) 273-0661 E-Mail milshawa pdb-kc.com



BLAST REPORT

ATF&EPermit#	. 5-KS-045-33-3K-00028	Kansas Users Permit # DGEUL006	Oklahoma Blasting Permit # P-082	Missouri Users Registration Certificate # 7
Customer & Job: /	ros and Broken 1	Date:	8-25	3-18
Blast Location: Lat		66 Time	10113	A.M.□ P.M.
Type of Material	Libra Star	Stem	ming Min. g	(ft.) Max. (ft.)
No. of Holes	21	Туре	Stem	9
Diameter !	Min. 4 (in)	No. o	f Rows:	
···	Min. [0] (ft.) Max. [0] (ft.)	Burde	en <u>Min. 3</u>	(ft.)
Subdrilling	少(ft)	Spac	ing Min. 6	(ft.)
No. Decks/Hole		Maxii	mum No. of Holes Per	
Deck Separation	Min. 💋 (ft.)	Max.	Lbs,/Delay of 8 ms. of	
Wt./Deck	Min. 7,3 (lbs.) Max. 10 (lbs	i.) Powe	der Factor 3) 2.7	190(lbs/vol) 2-3
Explosives	Size Amount (lbs)	Detona	ators/Delay MS	Amount (qty)
ANFO TANEO WRT		- 30'E	212+17/30	21
Unigel / Unimax /	X6 25-6	Z" SUI	2 / ()	3
Dyno AR	-			
Cast Primer				
Bulk Emulsion	270"		ord - feet	
Other		Non-E	Shock Tube ft	w'
			0 1 1011	
Were Mats Used?		// 5545	Scaled Dist	ance 701
GPS of Hole # 1/11		················	Closest Building 3	
Weather Sunw/	Temp.		of Closest Building	- Three
Wind Direction	GE Velocity 5-10		ance <u>5997//0 -</u>	Ds = 0/w
Type of initiation	☐ Elec.	Seismograf Seismograf	oh Monitoring X Yes oh Reading PPV =	No 17 DB= 1/9
☐ Other Explain: Type of Machine/Circu	it nonel		oh Operator K	Y Core (Print)
, ype or madmin or on ou		- x		(Sign)
Shot Results \[\Pi \]	Good or Comments:	Seismograp	on 7380 7	
or comments		GPS Locati	on Latt36.03780	(om-55.72)88
Remarks: Production	= ///2/ston	, treh		7
, williamo.	(10)			
Number of Individu	rals in blasting Crew:	Blaster-in-Char	ge	Kyle 6 (Print)
Customer Sign – o	ff for quantity		•	(Sign)
X	, -		 Lic. #	11558

Permitee The PEXCO Company LLC.	Fed. Permit Numbe	r <u>5-KS-045-33-3K-00028</u>
Time: 10 13 🖎 a.m. 🗌 p.m.	Fed. Permit Numbe Location Att 16 (139/27) for 15.	77166 Date: 8-28-18
Customer & Job: (ras/w)	Brook Drew	
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	Typical Borehole 30 F2	Typical Borehole
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