

CHANGE ORDER

FORT BEND COUNTY ENGINEERING

- Distribution:
- FBC Engineering
 - FBC Judge
 - FBC Purchasing
 - Contractor
 - Consultant

Address: 301 Jackson Street
Richmond, Texas 77469
Phone: 281-633-7500
Fax: 281-342-7366
Web site: www.FortBendCountyTx.gov

PROJECT:
Various Roads in City of Arcola

CHANGE ORDER NUMBER	1
DATE	3/17/2020
PROJECT NUMBER	17120x
CONTRACT FOR	\$1,464,549.60
CONTRACT DATE	10/08/2019
FBC PURCHASE ORDER NO	183232

CONTRACTOR:
Angel Brothers
3003 Kilgore Pkwy, Bldg. A
Baytown, Texas 77523-0570

The contract is changed as follows:
Add 9,400 SY of Geogrid to strengthen the pavement section and reduce future maintenance.

Not valid until signed by Fort Bend County and Contractor.

The Original (Contract Sum)	\$	1,464,549.60
Net change by previously authorized Change Orders	\$	0.00
The (Contract Sum) Prior to this Change Order was	\$	1,464,549.60
The (Contract Sum) will be <input checked="" type="checkbox"/> increased <i>or</i> <input type="checkbox"/> decreased <i>or</i> <input type="checkbox"/> unchanged by this Change Order in the amount of		
.....	\$	16,450.00
The new (Contract Sum) including this Change Order will be	\$	1,480,999.60

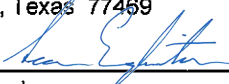
The Contract Time will be increased *or* decreased *or* unchanged by 0 days.
The Date of Substantial Completion as of this Change Order therefore is
 changed *or* unchanged to **5/29/2020**.

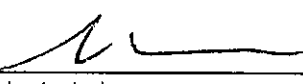
Authorized:

Fort Bend County Engineering
Stacy Slawinski, P.E.
301 Jackson
Richmond, Texas 77469

CONTRACTOR

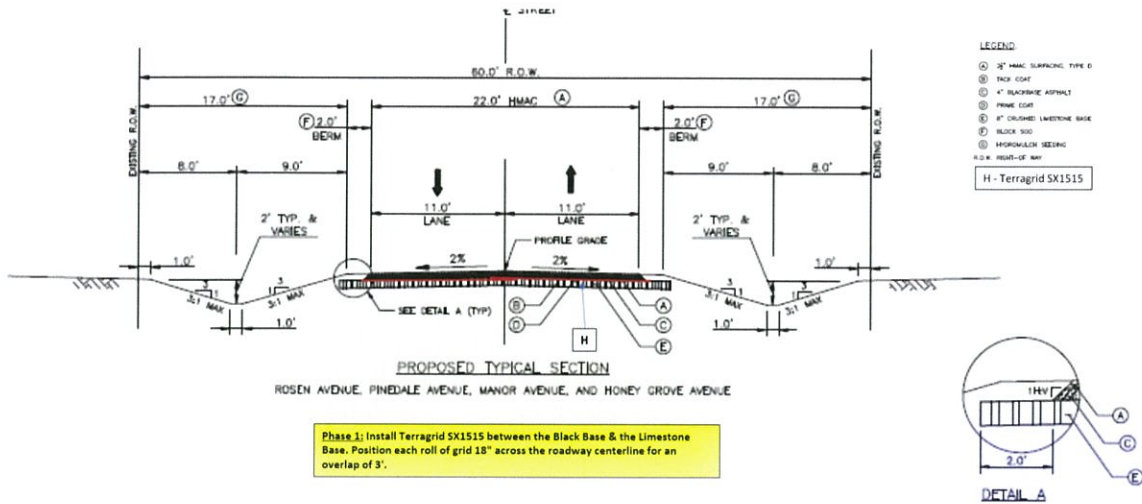
Fort Bend County Judge
Honorable KP George
301 Jackson St., #719
Richmond, Texas 77469

By: 
(signature)
DATE: 3/20/2020

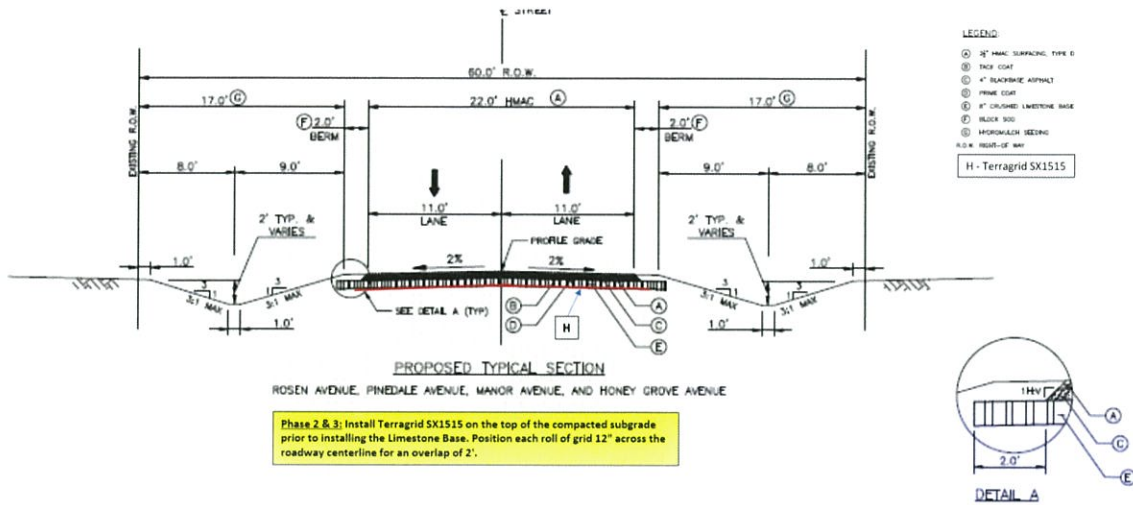
By: 
(signature)
DATE: 3/18/20

By: _____
(signature)
DATE: _____

Project No. 17120x - Various Roads in Arcola
 Change Order #1 - Add Terragrid SX1515
 Phase 1



Project No. 17120x - Various Roads in Arcola
 Change Order #1 - Add Terragrid SX1515
 Phase 2 & 3



Angel Brothers Holdings Corp.

3003 Kilgore Pkwy. Bldg. A
P.O. Box 570
Baytown, Texas 77523-0570
Phone 281.421.5721
Fax 281.421.5796
www.angelbrothers.com



March 2, 2020

Bob Baker
Othon, Inc.
11111 Wilcrest Green Dr
Suite 128
Houston, TX 77042

Project: 17120x - Construction of Various Roads in the City of Arcola

RE: RFP 2 Add Geogrid to Pavement Section

Dear Mr. Baker,

Please see pricing below for installing Geogrid between the flex base and asphalt stabilized base on the subject project:

Terragrid SX1515 – \$ **1.75** / SY
Terragrid SX 2020 - \$ **2.05** / SY

The estimate quantity of install is 9,400 SY.

We are proposing to install the fabric directly in advanced of paving operations; installing two 13' rolls side-by-side with a 2' overlap at the joint. The Geotextile fabric layer will have an effective width of 24', leaving approximately 1' beyond the black base at each pavement edge.

Installing geotextile fabric in the proposed sequencing is not common practice, and Angel Brothers has not encountered this type of application before. We have concerns about the geotextile fabric's ability to maintain its integrity under the high-temperature application of the black base and the bonding ability between the black base and geotextile fabric. Therefore, we cannot guarantee the effectiveness of the geogrid.

Please let me know if you have any questions or need additional information.

Sincerely,



Stephen Mackie
Project Manager



ANGEL BROTHERS ENTERPRISES, LTD
CHANGE ORDER PRICING BREAKDOWN

Owner: Fort Bend Count	Date: 5-Mar-20
Project: Various Rds in the City of Arcola	Project No.: 17120X
	Proposal No.: 1973-01

Subject: Geogrid SX1515 9,400.00 - SY

Production Rate =	
Hours per Day-->	

A. LABOR

Description	Hours	Quantity	Rate	Totals
Loader Operator	40	1	\$19.00	\$760.00
Common Laborer	160	4	\$15.50	\$2,480.00
Base Labor Costs =				\$3,240.00
<i>Profit & Compensation</i> (Base Labor "Only")				25.00% \$810.00
<i>Labor Burden</i> (Base Labor "Only")				55.00% \$1,782.00
Total Labor Costs =				\$5,832.00

B. EQUIPMENT

Description	Hours	Quantity	Rate	Totals
CAT 930 Loader	40	1	\$50.49	\$2,019.60
Subtotal =				\$2,019.60
<i>Profit & Compensation</i>				15.00% \$302.94
Total Equipment Costs =				\$2,322.54

C. MATERIALS

Description	Quantity	Units	Unit Price	Totals
TERRAGRID SX1515	23.00	ROLLS	\$284.40	\$6,541.20
Subtotal =				\$6,541.20
Tax				0.00% EXEMPT
<i>Profit & Compensation</i>				25.00% \$1,635.30
Total Material Costs =				\$8,176.50

D. SUBCONTRACTOR/OTHER

Description	Quantity	Units	Rate	Totals
Subtotal =				\$0.00
<i>Profit & Compensation</i>				5.00% \$0.00
Total Subcontractor/Other Costs =				\$0.00

E. SUMMARY

Subtotal of all Costs		=	\$16,331.04
Bond Costs	1.00%	=	\$163.31
Total Proposal Amount =			\$16,494.35
Cost Per Unit =			\$1.75 / SY



ANGEL BROTHERS ENTERPRISES, LTD
CHANGE ORDER PRICING BREAKDOWN

Owner: Fort Bend Count	Date: 5-Mar-20
Project: Various Rds in the City of Arcola	Project No.: 17120X
	Proposal No.: 1973-01

Subject: Geogrid SX2020 **9,400.00 - SY**

Production Rate =	
Hours per Day-->	

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Loader Operator	40	1	\$19.00	\$760.00
Common Laborer	160	4	\$15.50	\$2,480.00
Base Labor Costs =				\$3,240.00
<i>Profit & Compensation</i> (Base Labor "Only")				25.00% \$810.00
<i>Labor Burden</i> (Base Labor "Only")				55.00% \$1,782.00
Total Labor Costs =				\$5,832.00

B. EQUIPMENT

Description	Hours	Quantity	Rate	Totals
CAT 930 Loader	40	1	\$50.49	\$2,019.60
Subtotal =				\$2,019.60
<i>Profit & Compensation</i>				15.00% \$302.94
Total Equipment Costs =				\$2,322.54

C. MATERIALS

Description	Quantity	Units	Unit Price	Totals
TERRAGRID SX2020	46.00	ROLLS	\$190.00	\$8,740.00
Subtotal =				\$8,740.00
Tax				0.00% EXEMPT
<i>Profit & Compensation</i>				25.00% \$2,185.00
Total Material Costs =				\$10,925.00

D. SUBCONTRACTOR/OTHER

Description	Quantity	Units	Rate	Totals
Subtotal =				\$0.00
<i>Profit & Compensation</i>				5.00% \$0.00
Total Subcontractor/Other Costs =				\$0.00

E. SUMMARY

Subtotal of all Costs		=	\$19,079.54
Bond Costs	1.00%	=	\$190.80
Total Proposal Amount =			\$19,270.34
Cost Per Unit =			\$2.05 / SY



www.equipmentwatch.com

All prices shown in US dollars (\$)

Rental Rate Blue Book®

February 26, 2020

Caterpillar 930G (disc. 2008)
4-Wd Articulated Wheel Loaders

Size Class:
135 - 149 HP
Weight:
29170 lbs



Configuration for 930G (disc. 2008)

Bucket Capacity - Heaped	3.25 cu yd	Net Horsepower	149.0 hp
Operator Protection	EROPS	Power Mode	Diesel

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs Hourly	FHWA Rate** Hourly
	Monthly	Weekly	Daily	Hourly		
Published Rates	USD \$4,115.00	USD \$1,155.00	USD \$290.00	USD \$44.00	USD \$29.70	USD \$53.08
Adjustments						
Region (Texas: 88.9%)	(USD \$456.77)	(USD \$128.21)	(USD \$32.19)	(USD \$4.88)		
Model Year (2008: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$3,658.24	USD \$1,026.80	USD \$257.81	USD \$39.12	USD \$29.70	USD \$50.49

Non-Active Use Rates

	Hourly
Standby Rate	USD \$13.09
Idling Rate	USD \$35.47

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	41%	USD \$1,687.15/mo
Overhaul (ownership)	37%	USD \$1,522.55/mo
CFC (ownership)	12%	USD \$493.80/mo
Indirect (ownership)	10%	USD \$411.50/mo
Fuel (operating) @ USD 3.07	49%	USD \$14.68/hr

Revised Date: 1st half 2020

These are the most accurate rates for the selected Revision Date(s). However, due to more frequent online updates, these rates may not match Rental Rate Blue Book Print. Visit the Cost Recovery Product Guide on our Help page for more information.

The equipment represented in this report has been exclusively prepared for KEVIN GUY (keving@angelbrothers.com)



Hanes Geo Components Project Quote
www.hanesgeo.com

Quote ID:	QUO-22395-F2R2	Rev:	0
Bid Date:	2/28/2020	Hanes Project:	PRJ-0014973
REPLY TO:			
Contact:	Tyler Williams		
Title:	Technical Sales Rep		
Phone:	832.418.5996		
Fax:			
E-mail:	tyler.williams@hanescompanies.com		

Heavy Civil & Erosion Control Contractors choose Hanes Geo Components as their trusted partner to provide first quality stabilization fabrics, geogrids and stormwater compliance products at a honest price.

Project Name:	Various Roads in City of Arcola. Honey Grove, Rosen, Pinedale, and Manjor	Project Id:	
Company:	Angel Brothers Enterprises, Inc.		
Attn:		Phone:	
E-mail:		Fax:	

"The following estimated quantities are provided for informational purposes only; the contractor is responsible for determination of the material quantities used in preparation of the bid"
CONFIDENTIAL MATERIAL QUOTATION - 30 DAY PRICE GUARANTEE

Product	Product Description	Comment	Quantity	Unit Price	UOM	Unit Total
32162	TERRAGRID SX1515 13'X328' 474 SY		0	\$284.4000	RL	\$0.00
32163	TERRAGRID SX2020 13'X164' 237 SY		34	\$190.0000	RL	\$6,460.00

Subtotal	\$6,460.00
+ Estimated Freight	\$0.00
Estimated Project Total	\$6,460.00

Footnotes:

Terms of Sale

Prices are FOB origin unless stated otherwise. Unloading by others. Payments are net 30 days from date of invoice, subject to credit approval. Sales tax is not included: ADD when applicable. Prices quoted apply only to the project specified herein. The prices quoted herein shall remain in effect for 30 days from the date of this quotation. Seller reserves the right to adjust the prices after 30 days from the date of quotation. Buyer must notify seller in writing of any special provisions required for each job such as material needed to meet any ARRA or buy American requirements. Prior to quotation of pricing and delivery. Failure to do so will result in the assumption that no special provisions apply. For shipments that are less than a full truck load and less than \$750 dollars, additional delivery charges will apply and pricing is based on one delivery. THE TERMS OF THIS SALE ARE SUBJECT TO LEGGETT & PLATT, INCORPORATED'S STANDARD TERMS AND CONDITIONS WHICH ARE LOCATED AT www.leggett.com/important-links.htm.

Accepted:

Subject to being awarded the contract we hereby order the material described above at the prices specified subject to all terms and conditions appearing on this quotation.

By:	Title:
Ship to Address:	Date: