

February 10, 2017

Fort Bend County Engineering Department Attn: Accounts Payable 301 Jackson St., 4th Floor Richmond, TX 77469

RE: Katy Gaston Road from Westpark Dr. to Summerset Ridge Lane Forth Bend County

Attached is our monthly invoice for the Construction Material Testing on the referenced project.

Estimate or Contract Amount:

\$39,900.00

Change Orders:

\$0.00

Billing to Last Month:

\$35,189.00

Current Month Total:

\$3,643.95

\$38,832.95

Project Total:

Please note that the original budget was only an estimate and is not to be considered a "Not To Exceed" amount. The information provided above is to assist with your internal budgeting

We appreciate your business. If you have any questions about the current invoice or the overall budget please contact me at the earliest possible time.

Sincerely,

QC Laboratories, Inc.

Tel: 713-695-1133

Fax: 713-695-0808

10810 Northwest Freeway Houston, Texas 77092

qclabs@qclabs.com

QC Laboratories, Inc.

10810 Northwest Freeway Houston, TX 77092

Invoice

	DATE	INVOICE #
-	1/31/2017	11-61264

BILL TO

Fort Bend County Engineering Dept. 301 Jackson St., 4th Floor Richmond, TX 77469

		Project #	Terms	Project	Purch	ase Order
		16M13347	Net 30 Days	Katy Gaston Road		
DATE	REPORT#	DESC	RIPTION	QTY	RATE	AMOUNT
		Katy Gaston Road from Summerset Ridge Lane	Westpark Dr. to Fort Bend County			
1/20/2017	83	Staff/Project Engineer		0.1	140.00	14.6
		NICET Level II Techni	cian	0.1	149.00	14.9
		NICET Level II Techni		8	65.00	520.0
	- m 4	Vehicle Charge	Ciair - O1	2 8	97.50	195.0
		Nuclear Density Gauge	Charge		10.00	80.0
	84	Staff/Project Engineer	Charge	8	10.50	84.0
	1	Moisture Density Relati	ionchin Toot (ACTM	0.1	149.00	14.9
		D698)	ionship rest (ASTIVI	11	205.00	205.0
	85	Staff/Project Engineer		0.1	140.00	
		Cement Stabilized Sand	(CSS) Molding and	0.1	149.00	14.9
		Strength	(Coo) Wording and	4	71.00	284.0
/24/2017	86	Staff/Project Engineer				2 002
		NICET Level III Techni	icion	0.1	149.00	14.9
		Vehicle Charge	iciaii	4	75.00	300.0
/26/2017	87	Staff/Project Engineer		4	10.00	40.0
1950-1016 0 -18903	S MADE ON THE SE	NICET Level II Technic	nion	0.1	149.00	14.9
		NICET Level II Technic		8	65.00	520.0
		Vehicle Charge	cian - O1	0.5	97.50	48.7
		Percent Solids in Lime S	Clares.	8	10.00	80.0
	88	Staff/Project Engineer	Siutry		43.00	43.0
/30/2017	89	Staff/Project Engineer		0.1	149.00	14.9
30/2017		NICET Level II Technic	the state of the s	0.1	149.00	14.9
	All and the second second	NICET Level II Technic		8	65.00	520.0
	April 1 a Sign	Vehicle Charge	nan - O1	1	97.50	97.5
/31/2017	90		The state of the s	8	10.00	80.0
3112011	20	Staff/Project Engineer NICET Level II Technic	rus ⁴ ser abdus sas	0.1	149.00	14.9
***************************************	S NAME OF STREET	NICEI Level II Technic	lan	5	65.00	325.0
				Total		
	**************************************	***************************************		Balance D		***************************************

Phone #

(713) 695-1133

QC Laboratories, Inc.

10810 Northwest Freeway Houston, TX 77092

Invoice

DATE	INVOICE#
1/31/2017	11-61264

BILL TO	
Fort Bend County Engineering Dept. 301 Jackson St., 4th Floor Richmond, TX 77469	

Project #	Terms	Project	Purch	ase Order
16M13347	Net 30 Days	Katy Gaston Road		
DESC	CRIPTION	QTY	RATE	AMOUNT
L certify that the amount correct to the best of m	nt invoiced is true and myknowledge.	5 5	10.00	50.00 52.50
		Total		\$3,643.95
	Vehicle Charge Nuclear Density Gauge Lecrtify that the amoun correct to the best of m	DESCRIPTION Vehicle Charge Nuclear Density Gauge Charge Lecrtify that the amount invoiced is true and correct to the best of my knowledge.	DESCRIPTION Vehicle Charge Nuclear Density Gauge Charge I certify that the amount invoiced is true and correct to the best of myknowledge. Fred Madani Date 2 //3 //7	DESCRIPTION QTY RATE Vehicle Charge Nuclear Density Gauge Charge 1 certify that the amount invoiced is true and correct to the best of my knowledge. Fred Madani Date 2 //3 //7

Phone # (713) 695-1133



FDT #83 Precedor#84

Geotechnical & Materials Engineers	U25 # 8	2
PROJECT DAILY ACTIVITY SU	MMARY	
Project: Katy Casten Rd.		
2	Report No.: 124 128	
Client: Fort hand Co.		-
Contractor: Allgood	Date: 1/20/17	
COH WBS No.:	Testing Lab: QC Laboratories,	Inc
	HC Job No.:	-
TIME RECORD		
Time depart office: 8am Time arrive project: 9:15am Time depart project:	-15	
Lunch begin: v 5	5 pm Time arrive office: 630	1
Billable RT hours: & C	A. A.	
Billable RT hours: 2-0 Technician Name:	Chris Hicklen	
	. W.	
ACTIVITIES		**************************************
Proctor Sample P/UConcrete Sample P/L	Asphalt Sample	e P/I I
Fleid Density TestingConcrete Sampling	Asphalt Testing	
Other (Description)		•
SUMMARY OF FIELD ACTIVITIES		***************************************
Detvice techni arrived on location to p	acco I and I am	
A second	1.1	
Donsities continue on 24" RCP strm. swr.	111	*
of New Katy-Gaston Rd These / 6 1	Conternes across S.B. Lan	0.5
due to fiber office lines la Cherals	were stopped last year	-
relocated and are no his laying & flow	ine lable buve been	-
to tia in to exciting 211" 202 (21)	. From Inlyt NE3 (Stor 2	2400)
to tie in to exsiting 24" REP (30'); Inlet " existing 24" REP, & Inlet " NE " 6 (3ta 3700) 24" RCP.	NE4/sta. 25+00) to tiening	7
2 4" 1200 State & Inlet "NE" 6 (sta 3766) ialso tre-tu to exis	stra
AT ICCT I	*	2
Technials picked up a sample	of 1.5 sk 1.5.5	
returned to Lab for analysis.		- of
Test results today are in acc	ordance -Li	
Harris County Specs.	with	***********
		-

Technician Signature:

Inspector Signature:

Certification Level & Organization:

Inspector Name (print):

10810 Northwest Freeway - Houston, Texas 77092 Tel.: (713) 695-1133 - Fax: (713) 695-0808 www.qclabs.dam Form F102 Oally Activity Summary 12/3/15



Client No:

091316

Proj No: 16M13347

Date Sampled: 01/20/2017

Report Date: 01/23/2017

Sampled By: Aicklen, Christopher

Project:

Katy Gaston Road from Westpark Dr. to Summerset Ridge Lane,

By Order Of: Louis w/Allgood Const

Location:

Fort Bend County

Inlets NE#3, NE#4, & NE#6, 24" RCP Storm Sewer Laterals and

Order Number:

Tie-ins to existing 24" RCP

Client:

Fort Bend County Engineering Department

REPORT:

Report of Field Density Testing

LAB NO:

124128

Test Method:

See Below

TEST RESULTS

Report No:

1-2703-000083

Page 1 of 2

Proctor No

Optimum Maximum Moisture Dry Density (%) (pcf)

Color / Description

120831-1

Date 09/06/2016

Proctor

13.4

107.2

Gray / 1.5 sk Cement Stabilized Sand

Specification

Moisture Band

Specification No.

Compaction, % 95

Minimum

Maximum

Test No.	Gauge Depth	Location	Wet Density (pcf)	Moisture Content %	Dry Density (pcf)	Proctor Number	Spec.	Percent Proctor Density	Pass Fail
1	6	NE#3 - 15' Southwest of Station 22+00 (Bedding)	228.8	118.9	104.5	120831-1	1	97.5	Pass
2	6	NE#4 - 20' Southwest of Station 25+00 (Bedding)	118.3	15.1	102.8	120831-1	1	95.9	Pass
3	6	NE#6 - 15' Southwest of Station 37+00 (Bedding)	117.5	13.6	103.4	120831-1	1	96.5	Pass
4	6	20' Southwest of Inlet NE#3 (2' Below Grade)	117.6	15.1	102.2	120831-1	1	95.3	Pass
5	6	25' Southwest of Inlet NE#4 (2' Below Grade)	118.3	14.0	103.8	120831-1	1	96.8	Pass

Orig: Fort Bend County Engineering Department (Richmond, TX) Attn: Wesley Crawford

(1-cc copy)

1-ec AECOM Attn: Clifford Halvorsen 1-ec AECOM Attn: Amanda Loethen

1-ec AECOM Attn: Huy Ton

1-ec Allgood Construction Co. Inc.

Attn: Michael Boenig



10810 Northwest Freeway Houston, TX 77092-7304 Tel: 713-695-1133

TBPE Firm No. F-3601

Client No:

091316

Proj No: 16M13347

Date Sampled: 01/20/2017

Report Date: 01/23/2017

Sampled By: Aicklen, Christopher

Project:

Katy Gaston Road from Westpark Dr. to Summerset Ridge Lane,

By Order Of: Louis w/Allgood Const

Fort Bend County

Location:

Inlets NE#3, NE#4, & NE#6, 24" RCP Storm Sewer Laterals and Tie-ins to existing 24" RCP

Order Number:

Fort Bend County Engineering Department

Client: REPORT:

Report of Field Density Testing

LAB NO:

124128

Test Method:

See Below

TEST RESULTS

Report No:

1-2703-000083

Page 2 of 2

Material: Inlet NE#3, NE#4, & NE#6, 24" RCP Storm & Tie-ins

Test No.	Gauge Depth	Location	Wet Density (pcf)	Moisture Content %	Dry Density (pcf)	Proctor Number	Spec.	Percent Proctor Density	Pass Fail
6	6	10' Southwest of Inlet NE#6 (2' Below Grade)	121.9	14.9	106.1	120831-1	1	99.0	Pass
7	6	10' Southwest of Inlet NE#3 (1' Below Grade)	122.3	14.8	106.5	120831-1	1	99.3	Pass
8	6	15' Southwest of Inlet NE#4 (1' Below Grade)	120.3	15.0	104.6	120831-1	1	97.6	Pass
9	6	15' Southwest of Inlet NE#6 (1' Below Grade)	118.6	14.3	103.8	120831-1	1	96.8	Pass
10 11 12	6 6	20' Southwest of Inlet NE#3 (Grade) 10' Southwest of Inlet NE#4 (Grade) 15' Southwest of Inlet NE#6 (Grade)	121.6 121.6 118.9	14.1 14.3 14.1	106.6 106.4 104.2	120831-1 120831-1 120831-1	1 1	99.4 99.3 97.2	Pass Pass Pass

Gauge No .:

61994

Daily Standard Counts: 01/20/2017 DS: 1904

MS: 690

Test Methods:

ASTM D6938

Orig: Fort Bend County Engineering Department

(Richmond, TX) Attn: Wesley Crawford

(1-cc copy)

1-ec AECOM Attn: Clifford Halvorsen

1-ec AECOM Attn: Amanda Loethen

1-ec AECOM Attn: Huy Ton

1-ec Allgood Construction Co. Inc.

Attn: Michael Boenig

QC Laboratories, Inc.

Hulugundi Dwarakanath, P.E., Senior Project Engineer



Client No:

091316

Proj No: 16M13347

Date Sampled: 01/20/2017

Report Date: 01/23/2017

Sampled By: Aicklen, Christopher

Project:

Katy Gaston Road from Westpark Dr. to Summerset Ridge Lane,

Fort Bend County

By Order Of: Louis w/Allgood Const

Location:

Storm Sewer Line at Sta 30+96

Order Number:

Client:

Fort Bend County Engineering Department

REPORT:

Moisture Density Relationship

LAB NO:

124128-1

Material:

1.5sk Cement Stabilized Sand - Cherry Plant #2

Test Method:

See Below

TEST RESULTS

Report No: Page 1 of 1 1-2703-000084

21
<i>Y</i>
~
7
4
4
7
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		-		
% Moisture	Dry	Density Lbs	s./Cu.Ft.	
11.4		108.0		
13.1		110.7		
14.8		110.0		
17.4		106.1		
13.2	Optimum	110.7	Maximum	
			Color: Brown	
		Desc	ription: 1.5sk Ce Sand	ement Stabilized

Liquid Limit: NP Plastic Limit: NP Plasticity Index: NP Group Symbol: AASHTO:

Desc of Rammer: Mechanical Preparation Method:Moist

Remarks:

Test Method (As Applicable): ASTM D-558 Method-A

Orig: Fort Bend County Engineering Department (Richmond, TX) Attn: Wesley Crawford

(1-cc copy)

1-ec AECOM Attn: Clifford Halvorsen

1-ec AECOM Attn: Amanda Loethen

1-ec AECOM Attn: Huy Ton

1-ec Allgood Construction Co. Inc.

Attn: Michael Boenig

QC Laboratories, Inc.

Hulugundi Dwarakanath, P.E., Senior Project Engineer



Client No:

091316

Proj No: 16M13347

Date Sampled: 01/20/2017

Report Date: 01/27/2017

Sampled By: Aicklen, Christopher

Project:

Katy Gaston Road from Westpark Dr. to Summerset Ridge Lane, Fort Bend County

By Order Of: Louis w/Allgood Const

Location:

Sanitary Sewer Line at Sta 30+96

Order Number:

Client:

Fort Bend County Engineering Department

REPORT:

Compressive Strength of Cement Stabilized Sand

LAB NO:

124128-2

TEST RESULTS

Report No:

1-2703-000085

Page 1 of 1

Sample Data

Date Sampled: 1/20/17

Time Sampled: 11:00 AM

Strength Specification:

100 psi@ 48 Hours

Sample Location: Storm Sewer Line at Station 30+96

Moisture Content (%): 15.5

Supplier: Cherry Crushed Concrete

Plant: #2

Time Batched: 10:30 AM

Material Description: 1.5 SK Cement Stabilized Sand

Time Molded: 12:00 PM

Age When Molded:

1 Hr

30 Min

Test Results

Date Tested	Test Age (days)	Specimen Size		Area (in²)	Total Load (lbs)	Compressive Strength (psi)
		Diameter (in.)	Height (in.)			o
1/22/17	2	4.0	4.54	12.57	1406	110
1/22/17	2	4.0	4.54	12.57	1357	110
1/27/17	7	4.0	4.54	12.57	1991	160
1/27/17	7	4.0	4.54	12.57	1995	160

Notes

1. Deviations from Standard Test Methods: Samples cured at ambient laboratory temperature in plastic bags.

2. The above test results comply with project specification requirements with the exception of those marked with an asterisk (*).

Test Methods: ASTM D1633

Orig: Fort Bend County Engineering Department (Richmond, TX) Attn: Wesley Crawford

(1-cc copy)

1-ec AECOM Attn: Clifford Halvorsen

1-ec AECOM Attn: Amanda Loethen

1-ec AECOM Attn: Huy Ton

1-ec Allgood Construction Co. Inc.

Attn: Michael Boenig

QC Laboratories, Inc.

Hulugundi Dwarakanath, P.E., Senior Project Engineer



MISC # 86

LABORATORIES, INC.

Project: KATY GASTON R SUMMERSETRY	0-WEST PARICON TO	Project No.:	16M1334	7
Client: Fort Boub co	out in	Report No.:	124217	
Contractor:	ENGG. PERANTMENT		1-24-17	à,
		Testing Lab:	QC Laborator	ies, Inc
COH WBS No.:		HC Job No.:		
			,	
7.5.24	TIME RECORD			
Time depart office: 2:00 PM Ime arrive project	t: 3: vv Rvv Time depart project:	5:0 PM	Time arrive office: 6	10 pm
Lunch End	•			1° 4.
Billable RT hours: 4. 6 Billable OT hours	Technician Name:	MARIO	TAGAVILLA	7.7 9.
	ACTIVITIES			
Proctor Sample P/U	Concrete Sample P/U		A1	
Field Density Testing	Concrete Sampling	•		t Sample P/U
Other (Description) PROF	-ROLL INSPECTION	•	Asphal	t Testing
		- Merchanic		<u> </u>
	SUMMARY OF FIELD ACTIVITIES			
				4
1.) plan ppu INPAUTION	BY OBSEWING A 16	-717 W. T.	Pottor	
Truck on THE	COMPACTED SUBCURAN	= 10	N LOADED DU	mp Durin
KATY CLASTON ROAD	FUSTA SUCCOMP	o, sum	4 Bumb LAN	7 (LSI
	2011/1 1 2 2	1		
SW	32+16		1	
12-1 pm	3		MOCTI.	
TODAY STA	39 176 1/12		· ·	À.
	1			- 6
STA	26+20			
STA	23+80			
TORONAL DAY		EMERICA	AUTES KING	
		1		
ST4	42+00 per			
V STD 2	21+40 - MEDIAN	- 500	ANN DES PONI	
ST				15
chnician Signature:	n- / /			
		th.	VICET III	
	Certification Level & C	Organization:V	LICET [II	
pector Signature: Plumba with		riguinauoi),		21
The state of the s	Inspector N	lame (print):	Dhenska 1	W.
The state of the s		lame (print):	Dhenska 1	128/17



Client No:

091316

Proj No: 16M13347

Date Sampled: 01/24/2017

Report Date: 02/02/2017

Sampled By:

Mario Tagavilla

Project:

Domingo w/Allgood Const

Katy Gaston Road from Westpark Dr. to Summerset Ridge Lane,

By Order Of:

Location:

Fort Bend County

Order Number:

Client:

Fort Bend County Engineering Department

REPORT:

Daily Field Activity

LAB NO:

124217

TEST RESULTS

Report No:

1-2703-000086

Page 1 of 1

As requested, a representative of QC Laboratories, Inc., went to the project site at the scheduled time, i.e., 3:00 PM to witness the proofrolling operations. However, at the time of our visit, the contractor had no tandem axle dump truck available to perform proofrolling operations. Hence, our engineer talked to the contractor's representative in the field and it was agreed that the contractor would reschedule for proofrolling operations at a later date in the proposed areas.

Orig: Fort Bend County Engineering Department (Richmond, TX) Attn: Wesley Crawford

(1-cc copy)

1-ec AECOM Attn: Clifford Halvorsen

1-ec AECOM Attn: Amanda Loethen

1-ec AECOM Attn: Huy Ton

1-ec Allgood Construction Co. Inc.

Attn: Michael Boenig

QC Laboratories, Inc.

Hulugundi Dwarakanath, P.E., Senior Project Engineer



Project: Katy Gaston Road	Project No.: 13347	_
	Report No.: 1/26/17	1
Client: Fort bend County	Date: 124 291	
Contractor: Allgood	Testing Lab: QC Laborat	oning day
COH WBS No.:	HC Job No.:	nies, inc
	110 000 110	
TIN	ME RECORD	manufacture of the first of the
Time depart office: 5 am Time arrive project: 6 am	Time depart project: 1 15	,30
Lunch End: (2:30)	PILL	gm
Billable RT hours: 8. Billable OT hours: 5	Technician Name: Chitis Aickland	
	The STITE CONT	
AC	CTIVITIES	-
Proctor Sample P/U	Concrete Sample D/LL	
Field Density Testing	Constant County	alt Sample P/U
Other (Description) Proof Roll &	Lime Sluron	alt Testing
	June 2007	
SUMMARY OF	F FIELD ACTIVITIES	
Observed on to	ocation to section have	// ×
Observedien & Line Stucces Son	the bound Lanes (2) of new	2 14 1
- Caston Rd. from sta. 20-	+70 -> star 25+60 & star #	Katy
star 37+88. Three line	trucks delivered Shurry	36+18-
and techn, secured sur	uples to measure; test r	1 today
- are in accordance with	and the same test m	esults
proofroll to be in acros	dance w/ Tradot regularion	tound
	TXCOL FEGUERM	uts.
		. 4
		-
		-
1		
Technician Signature:	Certification Level & Organization: ULT N	.1_
	Office of the state of the stat	L
nspector Signature:	Inspector Name (print)	
10810 Northwest Freeway - Houston, Texas 77092 Tel	Inspector Name (print):	***************************************



Attn: Michael Boenig

10810 Northwest Freeway Houston, TX 77092-7304 Tel: 713-695-1133 TBPE Firm No. F-3601

Client No:	091316	Proj No: 16M13347		Date Sampled	1. 01/26/2017	
Report Date:	02/03/2017	2		Sampled By:		ristophor
Project:	Katy Gaston Ro Fort Bend Cour	oad from Westpark Dr. to Summe	rset Ridge Lane,	By Order Of:		
Location:	South Bound La 25+60 and 36+	anes of Katy Gaston Road: Statio 18 to 37+88	ns 20+70 to	Order Number	:	
Client:	Fort Bend Coun	ty Engineering Department				
REPORT:	Report of Soil S	tabilization Application		LAB NO:	124291	
***************************************		TEST F	RESULTS	Report No: Page 1 of 1	1-2703-0000	87
Location:	South Bound	d Lanes of Katy Gaston Road:	Stations 20+70 t	o 25+60 and 3	6+18 to 37	- 8 8
Supplier:	Lhoist Nort			ion: Lime Slur		
1 aterial Typ	e: <u>X</u>	Slurry	Dry Powder	F	Blended Powe	der
T ruck N um ber	Ticket					% Solids
10900009	Number	Sample L Station 25+00 (10.290 Ton)			% Solids	on Ticket
					4 4 . 0	41.1
10900009	115386426	Station 20+99 (9.240 Tons)			44.0	41.1
10900009	115386431	Station 36+95 (8.76,1 Tons)			44.0	41.5
D e j	area Stabilized: pth of Mixing:	13,767 Sq. Ft.		Geotechni QC Labora	cal Report atories Recor	lbs/ft³
		-		bilizing materi	al provided:	28.29
		aterial added did meet the requ	uired amount.			
(Richmond, 1-cc copy) 1-ec AECOM Attn			QC Labor	ratories, Inc.	din.	

Hulugundi Dwarakanath, P.E., Senior Project Engineer



Client No:

091316

Proj No: 16M13347

Date Sampled: 01/26/2017

Report Date: 02/03/2017

Sampled By: Aicklen, Christopher

Katy Gaston Road from Westpark Dr. to Summerset Ridge Lane,

Project:

Fort Bend County

By Order Of: Domingo w/Allgood Const

Location:

South Bound Lanes Stations 20+70 to 25+60 & 36+18 to 37+88

Order Number:

Client:

Fort Bend County Engineering Department

REPORT:

Proof Roll Inspection

LAB NO:

124291-1

TEST RESULTS

Report No:

1-2703-000088

Page 1 of 1

A representative of QC Laboratories, Inc. was present at the above referenced project to perform a proofroll observation to delineate soft, wet, and/or weak areas of the subgrade.

The area proof rolled by the contractor and observed by the technician was the subgrade in the area of the South Bound Lanes of Katy Gaston Road, Stations 20+70 to 25+60 and 36+18 to 37+88.

Proof rolling was performed by the contractor utilizing a loaded dump truck.

The proof rolling operation was found to be satisfactory with no weak or soft areas observed.

Orig: Fort Bend County Engineering Department (Richmond, TX) Attn: Wesley Crawford

(1-cc copy)

1-ec AECOM Attn: Clifford Halvorsen

1-ec AECOM Attn: Amanda Loethen

1-ec AECOM Attn: Huy Ton

1-ec Allgood Construction Co. Inc.

Attn: Michael Boenig

QC Laboratories, Inc.

Hulugundi Dwarakanath, P.E., Senior Project Engineer



LABORATORIES, INC.

Cient: Fort Bend Co. Contractor: All good Contractor: All good COHWBS No.: TIME RECORD TIME Gepart office: Base Time arrive project 95 m. Time depart project 45 m. Time arrive office: 50 m. Lunch Begin: Agrae Lunch End: 1230. Billable RT nours: D. D. Billable OT hours: 10 Technician Name: Chris Aicklen ACTIVITIES Protor Sample PU Genorate Sample PU Field Density Testing Other (Description) Croad at 100 s. SUMMARY OF FIELD ACTIVITIES Service techn. arrived on location to perform gradation test for proposed paving sub-grade @ S. B. Lance 20 of Kady Caston Rd. Sta. 20 to 36a 25 to 8 sta. 36t 18 sta. 37 +88, Techn. found test results of gradation test to be in accordance with Harris County Specs. Regularments. Techna also pulced up two Sample of Stalid menterial for each proposed paving areas, and teturned them to lub for analysis. Techn. took a few ghost stalis, however, noisture is as high as 10%, relative to provises stalis, however, prodoction for products. Cartification Level & Organization. W. T. Nicot 100 nothing lighture. Cartification Level & Organization. W. T. Nicot 100 nothing lighture. Cartification Level & Organization. W. T. Nicot 100 nothing lighture. Cartification Level & Organization. W. T. Nicot 100 nothing lighture. Cartification Level & Organization. W. T. Nicot 100 nothing lighture. Cartification Level & Organization. W. T. Nicot 100 nothing lighture. Cartification Level & Organization. W. T. Nicot 100 nothing lighture. Cartification Level & Organization. W. T. Nicot 100 nothing lighture. Cartification Level & Organization. W. T. Nicot 100 nothing lighture. Cartification Level & Organization. W. T. Nicot 100 nothing lighture. Cartification Level & Organization. W. T. Nicot 100 nothing lighture. Cartification Level & Organization. W. T. Nicot 100 nothing lighture.	Project: Katy-Gaston Rd., Westpark	dr. Project No.: 1am 13347	1
Contractor: All good COHWBS No.: Time Appart office: Barry Lunch Englin: Lunch Englis: Lunch Engl	to Dummer set Rrige Ln.	Report No. 104 358	55). 193
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Time depart office: Ban Time arrive project: 95 m. Time depart project: 43 m. Time arrive office: 53 m. Lunch begin: 120 m. Lunch End: 120 m. Technician Name: Chris Aichlan ACTIVITIES ACTIVITIES Proctor Sample PIU Concrete Sample PIU Asphalt Sample PIU Asphalt Sample PIU Goncrete Sampling Other (Description) Cradations SUMMARY OF FIELD ACTIVITIES Service techn. arrived on location to perform gradation test for proposed paving subgrade @ 5.B. Lanes(2) of katy Caston Rd. Sta. 20+ to 31a. 25+ 60 s. sta. 30+ 18 sta. 27+88, Techn. found test results of gradation test to be in accordance with Harris County specs. Regulments. Techna also picked up two Sample of Stillal material from each proposed paving areas, and returned them to Lub for analysis. Techn. tack a few ghost shells, how every moisture is as high as 10%, relative to provious stillal subgraphy proctors for predject. Cartification Level & Organization: IVI. II Nicet Cartification Level & Organization: IVI. II Nicet Inspector Name (print): 10810 Matchineal Frenway - Houston, Texas 77002 Tel: (713) 885-1000 envertibles.			634 1110
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Billable RT hours: B. D. Billable OT hours: I. O. Tachnician Name: Chris Aichlen ACTIVITIES Veroctor Sample PAU Concrete Sample PAU Asphalt Sample PAU Field Density Testing Other (Description) Croud at Long Concrete Sampling Asphalt Testing SUMMARY OF FIELD ACTIVITIES Service techn. arrived on Location to perform gradation test for proposed paving subgrade & S. B. Lanes(2) of Kady Claston Rd. Sta. Fabt 70 - 31a. 25+60 & 3ta. 36+18 - 3ta. 37+88, Techn. Found test results of gradation test to be in accordance with Harris County Specs. Regularments. Technology as a picked up two Sample of Stoled material from each proposed paving areas, and teturned them to Lub for analysis. Techn. task a few ghost shorts, however, moisture is as high as 10%, relative to previous stoled. Subgraphorous for prodject. Certification Level & Organization: IVI. II. Nicot Certification Level & Organization: IVI. II. Nicot Inspector Name (print): 10819 Northwest Freeway - Houston, Towas 77092 Tel: (713) 885-1913 - Fax: (713) 885-1913 -	Lunch begin: 1200 Lunch End: 1200	Time arrive office.	enu
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10810 Northwest Freeway - Houston, Texas 77092 Tel.: (713) 695-1133 - Fax: (713) 695-0808 www.qclabs.com Form F102 Daily Activity Summary 123/15	Ins	spector Name (print):	-
	10810 Northwest Freeway - Houston, Texas 77092 Tel.: (713) 695-1133 - Fr Form F102 Daily Activity Summary 12/3/15	ax: (713) 695-0808 www.qclabs.com (205:0	urion



Client No:

091316

Proj No: 16M13347

Date Sampled: 01/30/2017

Report Date: 02/03/2017

Sampled By: Aicklen, Christopher

Project:

Katy Gaston Road from Westpark Dr. to Summerset Ridge Lane, Fort Bend County

Order Number:

By Order Of: Domingo w/Allgood Const

Location:

South Bound Lanes of Katy Gaston Road: Stations 37+88 to

36+18 and Stations 25+60 to 20+70

Client:

Fort Bend County Engineering Department

LAB NO:

124358

REPORT:

Report of Stabilized Soil Gradation

TEST RESULTS

Report No:

1-2703-000089

Page 1 of 1

Location:

South Bound Lanes of Katy Gaston Road: Stations 37+88-36+18 and 25+60-20+70

Location	% Passing 1 3/4"	Specifications (%)	% Passing 3/4"	Specifications (%)	% Passing #4	Specifications
Station 36+35, Outside Lane	100	100	100	8.5	72.8	60
Station 37+55, Inside Lane	100	100	98.2	85	67.4	60
Station 20+90, Outside Lane	100	100	93.9	8.5	81.9	60
Station 23+30, Outside Lane	100	100	100	8.5	73.5	60
Station 24+30, Inside Lanc	100	100	95.3	8.5	68.5	60
Station 25+35, Inside Lane	100	100	98.7	8.5	68.6	60

he above test results meet project spec						

requirements with the exception of those marked with an asterisk (*)

Orig: Fort Bend County Engineering Department (Richmond, TX) Attn: Wesley Crawford

(1-cc copy)

1-ec AECOM Attn: Amanda Loethen

1-ec AECOM Attn: Clifford Halvorsen

1-ec AECOM Attn: Huy Ton

1-ec Allgood Construction Co. Inc.

Attn: Michael Boenig

QC Laboratories, Inc.

Hulugundi Dwarakanath, P.E., Senior Project Engineer



Project: KATY GASTON Rd.	Project No.: 16 M 133-17	
,	Report No.: 124, 409	
Client: FORT BEND COUNTY	Date: 1-31-17	
Contractor: AllGood Const.	Testing Lab: QC Laboratori	
COH WBS No.:		***************************************
William Control of the Control of th	HC Job No.:	1,1
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Time depart office: 12'00	11	
Time depart office: 12:00 Time arrive project: 1:00 PM Time depart project:	Time arrive office: 500	PH.
Lunch begin: X Lunch End: X		
Billable RT hours: S.O Billable OT hours: Technician Name:	MATT KANZLER	- 12 ¹
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ACTIVITIES		1.
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Certification Level	& Organization: NICET #	-
active the second secon		
ector Signature: ////////////////////////////////////	or Name (print):	
10810 Northwest Freeway - Houston, Texas 77092 Tel.: (713) 695-1133 - Fax: (71	(3) 695-0808 www.qclabs.com	Pin



Client No:

091316

Proj No: 16M13347

Date Sampled: 01/31/2017

Report Date: 02/03/2017

Sampled By:

Kanzler, Matthew

Project:

Katy Gaston Road from Westpark Dr. to Summerset Ridge Lane,

By Order Of:

Domingo w/Allgood Const

Location:

Fort Bend County

South Bound Lanes of Katy Gaston Road: Stations 29+76 to

32+16 and 22+63 to 20+61

Order Number:

Client:

Fort Bend County Engineering Department

REPORT:

Report of Field Density Testing

LAB NO:

124409

Test Method:

See Below

TEST RESULTS

Report No:

1-2703-000090

Page 1 of 2

		Optimum	Maximum	
	Proctor	Moisture	Dry Density	
Proctor No	Date	(%)	(pcf)	Color / Descr

122617-1

11/08/2016

17.7

103.8

ription

Gray / Lime Stabilized Subgrade

Specification

Moisture Band

action, %	Minimum	Maximum
95	0.0	3.0
	95	95 0.0

Material: South Bound of Katy Gaston Road

Test No.	Gauge Depth	Location	Density (pcf)	Moisture Content %	Dry Density (pcf)	Proctor Number	Spec. No.	Percent Proctor Density	Pass Fail
1	6	Station 29+95 - Inside Lane (Grade)	122.2	19.9	101.9	122617-1	1	98.2	Pass
2	6	Station 31+50 - Outside Lane (Grade)	121.5	20.1	101.2	122617-1	1	97.5	Pass
3	6	Station 32+05 - Inside Lane (Grade)	121.5	20.5	100.8	122617-1	1	97.1	Pass
4	6	Station 25+50 - Outside Lane (Grade)	122.0	20.1	101.6	122617-1	1	97.9	Pass
5	6	Station 24+55 - Inside Lane (Grade)	123.8	19.7	103.4	122617-1	1	99.6	Pass
6	6	Station 23+75 - Outside Lane (Grade)	120.6	20.6	100.0	122617-1	1	96.3	Pass
7	6	Station 22+65 - Inside Lane (Grade)	124.0	18.7	104.5	122617-1	1	100.7	Pass
8	6	Station 21+70 - Outside Lane (Grade)	123.8	20.3	102.9	122617-1	1	99.1	Pass

Orig: Fort Bend County Engineering Department (Richmond, TX) Attn: Wesley Crawford

(1-cc copy)

1-ec AECOM Attn: Clifford Halvorsen 1-ec AECOM Attn: Amanda Loethen

1-ec AECOM Attn: Huy Ton

1-ec Allgood Construction Co. Inc.

Attn: Michael Boenig



Client No:

091316

Proj No: 16M13347

Date Sampled: 01/31/2017

Report Date: 02/03/2017

Katy Gaston Road from Westpark Dr. to Summerset Ridge Lane,

Sampled By: Kanzler, Matthew

Project:

By Order Of:

Domingo w/Allgood Const

Fort Bend County

Location:

South Bound Lanes of Katy Gaston Road: Stations 29+76 to

32+16 and 22+63 to 20+61

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124409

Test Method:

See Below

TEST RESULTS

Report No:

1-2703-000090

Page 2 of 2

Material: South Bound of Katy Gaston Road

Gauge Test Depth No. Location 9 6 Station 20+90 - Inside Lane (Grade)

Wet Moisture Density Content % (pcf) 123.4 19.2

Dry Density (pcf) 103.5

Proctor Number 122617-1

Percent Proctor Pass Spec. No. Density

99.7

Fail Pass

Gauge No.:

38109

Daily Standard Counts: 01/31/2017 DS: 2186

MS: 760

Test Methods:

ASTM D6938

Orig: Fort Bend County Engineering Department

(Richmond, TX) Attn: Wesley Crawford

(1-cc copy)

1-ec AECOM Attn: Clifford Halvorsen

1-ec AECOM Attn: Amanda Loethen

1-ec AECOM Attn: Huy Ton

1-ec Allgood Construction Co. Inc.

Attn: Michael Boenig

QC Laboratories, Inc.

Hulugundi Dwarakanath, P.E., Senior Project Engineer

Harris, Britten

From:

Slawinski, Stacy

Sent:

Tuesday, February 21, 2017 8:23 AM

To:

Harris, Britten Peterson, Jillian

Cc: Subject:

FW: Katy Gaston - QC Lab Invoice #5

Attachments:

16M13347 Jan '17 Invoice - Reviewed.pdf

Please process attached invoice.

Thanks,

Stacy Slawinski

stacy.slawinski@fortbendcountytx.gov

281-633-7508 office

From: Ton, Huy [mailto:Huy.Ton@aecom.com]
Sent: Monday, February 20, 2017 10:19 PM

To: Slawinski, Stacy

Cc: Accounts Receivables; Halvorsen, Clifford; Loethen, Amanda

Subject: Katy Gaston - QC Lab Invoice #5

Stacy,

Attached file is QC Lab Invoice #5. It has been reviewed, there is no issues.

Thank You!

Huy Ton, PE

Cell: 617-818-8557

AECOM

19219 Katy Freeway Suite 100 Houston, TX 77094, USA

