

PO# 144404

BH

REC 401981

4/25/17

Reviewed
04/20/2017



LABORATORIES, INC.
Geotechnical & Materials Engineers

April 6, 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:	\$14,900.00 ✓	
Billing to Last Month:	\$44,737.00 ✓	
Current Month Total:	\$5,599.36 ✓	
Project Total:	\$50,336.36 ✓	92%

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.

4-6-17

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 #
3/31/2017	11-61734

BILL TO
Fort Bend County Engineering Dept. Precinct 3 301 Jackson St., 4th Floor Richmond, TX 77469

		Project #	Terms	Project	Purchase Order		
		16M13347	Net 30 Days	Katy Gaston Road			
DATE	REPORT #	DESCRIPTION	QTY	RATE	AMOUNT		
3/2/2017	104	Katy Gaston Road from Westpark Dr. to Summerset Ridge Lane, Fort Bend County					
		Staff/Project Engineer	0.1	183.00	18.30 ✓		
		ACI Level 1 Technician	8	51.00	408.00 ✓		
		Vehicle Charge	8	10.00	80.00 ✓		
	105	Staff/Project Engineer	0.1	183.00	18.30 ✓		
		Concrete Cylinder Compressive Test (ASTM C39)	12	17.00	204.00 ✓		
		3/3/2017	106	Staff/Project Engineer	0.1	183.00	18.30 ✓
				NICET Level II Technician	8	65.00	520.00 ✓
NICET Level II Technician - OT	2			97.50	195.00 ✓		
Vehicle Charge	8			10.00	80.00 ✓		
	107	Staff/Project Engineer	0.1	183.00	18.30 ✓		
		Concrete Cylinder Compressive Test (ASTM C39)	36	17.00	612.00 ✓		
		3/4/2017	108	Technician - OT	2.25	64.50	145.13 ✓
				Vehicle Charge	2.25	10.00	22.50 ✓
3/15/2017	109			Staff/Project Engineer	0.1	183.00	18.30 ✓
				ACI Level 1 Technician	7.5	51.00	382.50 ✓
		Vehicle Charge	7.5	10.00	75.00 ✓		
			110	Staff/Project Engineer	0.1	183.00	18.30 ✓
Concrete Cylinder Compressive Test (ASTM C39)	6			17.00	102.00 ✓		
3/16/2017	111			Staff/Project Engineer	0.1	183.00	18.30 ✓
				NICET Level III Technician	8	75.00	600.00 ✓
		NICET Level II Technician - OT	1.5	97.50	146.25 ✓		
		Vehicle Charge	8	10.00	80.00 ✓		
		Nuclear Density Gauge Charge	8	10.50	84.00 ✓		
			Total				
			Balance Due				

Phone #
(713) 695-1133

QC Laboratories, Inc.

10810 Northwest Freeway

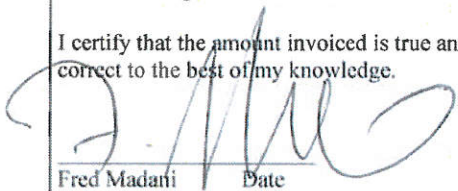
Houston, TX 77092

Invoice

DATE	INVOICE #
3/31/2017	11-61734

BILL TO

Fort Bend County Engineering Dept.
Precinct 3
301 Jackson St., 4th Floor
Richmond, TX 77469

		Project #	Terms	Project	Purchase Order
		16M13347	Net 30 Days	Katy Gaston Road	
DATE	REPORT #	DESCRIPTION	QTY	RATE	AMOUNT
3/17/2017	112	Staff/Project Engineer	0.1	183.00	18.30
		NICET Level III Technician	6.25	75.00	468.75
		Vehicle Charge	6.25	10.00	62.50
	113	Staff/Project Engineer	0.1	183.00	18.30
		Concrete Cylinder Compressive Test (ASTM C39)	6	17.00	102.00
		Staff/Project Engineer	0.1	183.00	18.30
3/18/2017	114	Nuclear Density Gauge Charge	6.25	10.50	65.63
		NICET Level II Technician - OT	4	97.50	390.00
		Vehicle Charge	3	10.00	30.00
3/21/2017	116	Staff/Project Engineer	0.1	183.00	18.30
		NICET Level II Technician	4	65.00	260.00
		Vehicle Charge	3	10.00	30.00
	117	Staff/Project Engineer	0.1	183.00	18.30
		Concrete Cylinder Compressive Test (ASTM C39)	6	17.00	102.00
		Technician	2.5	43.00	107.50
3/22/2017	118	Vehicle Charge	2.5	10.00	25.00
		I certify that the amount invoiced is true and correct to the best of my knowledge.			
		 Fred Madani Date			
		4-6-17			
Total					\$5,599.36
Balance Due					\$5,599.36

Phone #

(713) 695-1133

OK, JSS
04/21/17



LABORATORIES, INC.
Geotechnical & Materials Engineers

FIC #104
(12) cyl #105

PROJECT DAILY ACTIVITY SUMMARY

Project: Katy Gaston Rd.

Project No.: 16M13347

Client: Fort Bend County Engineering Dept.

Report No.: 125,207

Contractor: Allgood Const.

Date: 3.2.17

COH WBS No.: _____

Testing Lab: QC Laboratories, Inc

HC Job No.: _____

TIME RECORD

Time depart office: 11:30am Time arrive project: 12:30pm Time depart project: 6:30pm Time arrive office: 7:30pm

Lunch begin: 12:00 Lunch End: 12:30

Billable RT hours: 8.0 Billable OT hours: - Technician Name: David M. Ramsel

ACTIVITIES

<input type="checkbox"/> Proctor Sample P/U	<input checked="" type="checkbox"/> Concrete Sample P/U	<input type="checkbox"/> Asphalt Sample P/U
<input type="checkbox"/> Field Density Testing	<input checked="" type="checkbox"/> Concrete Sampling	<input type="checkbox"/> Asphalt Testing
<input type="checkbox"/> Other (Description) _____		

SUMMARY OF FIELD ACTIVITIES

A QC laboratories representative arrived on site, as requested by contractor, and performed concrete testing while casting 2 sets of 6 concrete cylinders. *All field tests met project specifications.

Technician Signature: [Signature]

Certification Level & Organization: ACI

Inspector Signature: _____

Inspector Name (print): _____

Client No: 091316 Proj No: 16M13347 Date Sampled: 03/02/2017
Report Date: 03/08/2017 Sampled By: Ramsel, David
Project: Katy Gaston Road from Westpark Dr. to Summerset Ridge Lane, Fort Bend County By Order Of: Domingo w/Allgood Const
Location: Katy Gaston Road North Bound Stations 17+80 to 21+24 Order Number:

Client: Fort Bend County Engineering Department

REPORT: Report of Field Inspection of Concrete

LAB NO: 125207

TEST RESULTS

Report No: 1-2703-000104

Page 1 of 1

On 03/02/2017, a representative of QC Laboratories, Inc. was at the above referenced project in order to perform a field inspection of concrete. The area where the concrete was placed can be described as Paving on Katy Gaston Road North Bound - Stations 17+80 to 21+24.

A total of 280 cubic yards of concrete was placed while the technician was on-site. The concrete delivered was a 7 sacks, 1.5" aggregate mix, design no. 537004, and a 5.5 sacks paving mix, design no. 22135506, supplied by Allied. 2 sets of 4 cylinders were cast for this placement.

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: 03/02/2017
Report Date: 03/31/2017 Previously Reported: 03/08/2017 Sampled By: Ramsel, David
Project: Katy Gaston Road from Westpark Dr. to Summerset Ridge Lane, Fort Bend County By Order Of: Domingo w/Allgood Const
Location: Katy Gaston Road North Bound, Stations 17+80 to 21+24 Order Number:

Client: Fort Bend County Engineering Department

REPORT: REPORT OF CONCRETE COMPRESSIVE STRENGTH TEST LAB NO: 125207-1
Test Method: See Below

TEST RESULTS

Report No: 1-2703-000105
Page 1 of 4

Set: 1 of 2

Sample Location: Katy Gaston Road Station 18+40

MEETS REFERENCE VALUE

Specifications: 3500 psi @ 28 days / 3500 psi @ 28 days

Date Sampled: 3/2/17 Source/Sampled At: Allied / Onsite

of Specimens: 6 Plant: 07

Time Batched: 12:48 pm Description: 7 sack, 15" Aggr.

Time Sampled: 1:30 pm Mix Design: 537004

Water Added: 0 Gal Truck No: 0518

Weather: Clear Ticket No: 7081671

Quantity Represented: 10 cu. yds. at 80 cu. yds. placed of a 80 cu. yd. total placement

Placement Location: Katy Gaston Road North Bound, Stations 17+80 to 21+24

TEST RESULTS

CYL ID	Test Date	Test Age (days)	Diameter (in)	Area (in ²)	Type of Break	Maximum Load (lbs)	Compressive Strength (PSI)	Average Strength (PSI)	Comments
A	3/9/17	7.00	6.00	28.274	2. Type 2	125,130	4,430		
B	3/9/17	7.00	6.00	28.274	2. Type 2	125,090	4,420	4,420	
C	3/30/17	28.00	6.00	28.274	5. Type 5	156,850	5,550		
D	3/30/17	28.00	6.00	28.274	3. Type 3	157,010	5,550	5,550	
E	4/27/17	56.00	6.00	28.274					

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: 03/02/2017
Report Date: 03/31/2017 Previously Reported: 03/08/2017 Sampled By: Ramsel, David
Project: Katy Gaston Road from Westpark Dr. to Summerset Ridge Lane, Fort Bend County By Order Of: Domingo w/Allgood Const
Location: Katy Gaston Road North Bound, Stations 17+80 to 21+24 Order Number:

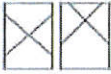
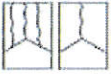
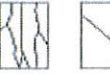
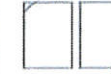


Client: Fort Bend County Engineering Department

REPORT: REPORT OF CONCRETE COMPRESSIVE STRENGTH TEST LAB NO: 125207-1
Test Method: See Below

TEST RESULTS

Report No: 1-2703-000105
Page 2 of 4

TEST RESULTS

CYL ID	Test Date	Test Age (days)	Diameter (in)	Area (in ²)	Type of Break	Maximum Load (lbs)	Compressive Strength (PSI)	Average Strength (PSI)	Comments
F	4/27/17	56.00	6.00	28.274					
									
			Type 1	Type 2	Type 3	Type 4	Type 5	Type 6	

Remarks: As per ASTM C31, initial curing will be by the Standard Curing Method. Specimens will be cured utilizing plastic bags; final curing method will be within our approved moisture room. Initial Cure Temperature, Max.= 63°F and Min.= 60°F.

Test Method: Unless noted, concrete was sampled and tested in accordance with ASTM C31, C39, C172, C143, C231(except 6) or C173, C1064, C1231.

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: 03/02/2017
Report Date: 03/31/2017 Previously Reported: 03/08/2017 Sampled By: Ramsel, David
Project: Katy Gaston Road from Westpark Dr. to Summerset Ridge Lane, Fort Bend County By Order Of: Domingo w/Allgood Const
Location: Katy Gaston Road North Bound, Stations 17+80 to 21+24 Order Number:

Client: Fort Bend County Engineering Department

REPORT: REPORT OF CONCRETE COMPRESSIVE STRENGTH TEST LAB NO: 125207-1
Test Method: See Below

TEST RESULTS

Report No: 1-2703-000105
Page 3 of 4

Set: 2 of 2

Sample Location: Katy Gaston Road Station 20+80

MEETS REFERENCE VALUE

Specifications: 3500 psi @ 28 days / 3500 psi @ 28 days

Date Sampled: 3/2/17 Source/Sampled At: Allied / Onsite

of Specimens: 6 Plant: 4A-side

Time Batched: 3:38 pm Description: 5.5 sacks

Time Sampled: 4:30 pm Mix Design: 22135506

Water Added: 0 Gal Truck No: 0431

Weather: Clear Ticket No: 4508984

Quantity Represented: 10 cu. yds. at 158.5 cu. yds. placed of a 238.5 cu. yd. total placement

Placement Location: Katy Gaston Road North Bound, Stations 17+80 to 21+24

	Measurements	Requirements
Air Temp. (°F):	63	Min. 40
Concrete Temp. (°F):	67	Max. 95
Slump (in.):	5.00	1 - 6
Air Content by Vol. (%):	4.1	2.5 - 4.5
Unit Weight (pcf):		

TEST RESULTS

CYL ID	Test Date	Test Age (days)	Diameter (in)	Area (in ²)	Type of Break	Maximum Load (lbs)	Compressive Strength (PSI)	Average Strength (PSI)	Comments
A	3/9/17	7.00	6.00	28.274	5. Type 5	88,490	3,130		
B	3/9/17	7.00	6.00	28.274	3. Type 3	90,970	3,220	3,170	
C	3/30/17	28.00	6.00	28.274	3. Type 3	119,780	4,240		
D	3/30/17	28.00	6.00	28.274	3. Type 3	119,640	4,230	4,230	
E	4/27/17	56.00	6.00	28.274					

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: 03/02/2017
Report Date: 03/31/2017 Previously Reported: 03/08/2017 Sampled By: Ramsel, David
Project: Katy Gaston Road from Westpark Dr. to Summerset Ridge Lane, Fort Bend County By Order Of: Domingo w/Allgood Const
Location: Katy Gaston Road North Bound, Stations 17+80 to 21+24 Order Number:

Client: Fort Bend County Engineering Department

REPORT: REPORT OF CONCRETE COMPRESSIVE STRENGTH TEST

LAB NO: 125207-1

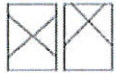
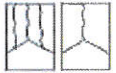

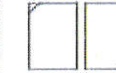


Test Method: See Below

TEST RESULTS

Report No: 1-2703-000105

Page 4 of 4

TEST RESULTS

CYL ID	Test Date	Test Age (days)	Diameter (in)	Area (in ²)	Type of Break	Maximum Load (lbs)	Compressive Strength (PSI)	Average Strength (PSI)	Comments
F	4/27/17	56.00	6.00	28.274					
									
			Type 1	Type 2	Type 3	Type 4	Type 5	Type 6	

Remarks: As per ASTM C31, initial curing will be by the Standard Curing Method. Specimens will be cured utilizing plastic bags final curing method will be within our approved moisture room. Initial Cure Temperature, Max. = 63°F and Min. = 60°F.

Test Method: Unless noted, concrete was sampled and tested in accordance with ASTM C31, C39, C172, C143, C231(except 6) or C173, C1064, C1231.

Orig: Fort Bend County Engineering Department
(Richmond, TX) Attn: Wesley Crawford
(1-cc copy)
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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.
Geotechnical & Materials Engineers

FIC # 106
(36) Cyl # 107

PROJECT DAILY ACTIVITY SUMMARY

Project: KATY GASTON Rd

Project No.: 16M13347

Client: FORT BEND COUNTY

Report No.: 125 243

Contractor: ALLCOOD

Date: 3-3-17

Testing Lab: QC Laboratories, Inc

COH WBS No.: _____

HC Job No.: _____

TIME RECORD

Time depart office: 3:30 AM

Time arrive project: 4:30 AM

Time depart project: 1:30 PM

Time arrive office: 2:00 PM

Lunch begin: 12:00 PM

Lunch End: 1:12 PM

Billable RT hours: 8.0

Billable OT hours: 2.5
2.0

Technician Name: MATT KANZLER

ACTIVITIES

Proctor Sample P/U

☒ Concrete Sample P/U

Asphalt Sample P/U

Field Density Testing

☒ Concrete Sampling

Asphalt Testing

Other (Description) _____

SUMMARY OF FIELD ACTIVITIES

TECH ARRIVED @ SITE @ 4:30 AM. SAMPLED CONCRETE FOR PAVING ON KATY GASTON Rd - W BOUND LNS. PERFORMED ALL APPLICABLE TESTS. MADE 6 SETS 6 CYLINDERS. 5 SETS WERE MADE FOR 5.5 SR MIX AND 1 SET FOR 7 SR MIX (APPROACH). A TOTAL OF 520.00 YDS WAS POURED FOR W BOUND LNS AND 80.00 YDS WAS POURED FOR APPROACH. ALSO P/U 2 SETS 6 CYLINDERS CAST ON 3-2-17.

Technician Signature: _____

Certification Level & Organization: NICET II

Inspector Signature: _____

Inspector Name (print): _____

Client No: 091316 Proj No: 16M13347 Date Sampled: 03/03/2017
Report Date: 03/08/2017 Sampled By: Kanzler, Matthew
Project: Katy Gaston Road from Westpark Dr. to Summerset Ridge Lane, Fort Bend County By Order Of: Domingo w/Allgood Const
Location: Katy Gaston Road North Bound Sations 18+95 to 29+15 and Enchanted Crossing Approach Order Number:

Client: Fort Bend County Engineering Department

REPORT: Report of Field Inspection of Concrete

LAB NO: 125243

TEST RESULTS

Report No: 1-2703-000106

Page 1 of 1

On 03/03/2017, a representative of QC Laboratories, Inc. was at the above referenced project in order to perform a field inspection of concrete. The area where the concrete was placed can be described as Paving on Katy Gaston Road North Bound and Enchanted Crossing Approach.

A total of 520 cubic yards of concrete was placed while the technician was on-site. The concrete delivered was a 5.5 sacks paving mix, design no. 22135506, supplied by Allied. 5 sets of 6 cylinders were cast for this placement.

In addition, a total of 80 cubic yards of concrete was placed while the technician was on-site. The concrete delivered was a 7 sacks, 1.5" aggregate mix, design no. 537004, also supplied by Allied. 1 set of 6 cylinders was cast for this placement.

Orig: Fort Bend County Engineering Department
(Richmond, TX) Attn: Wesley Crawford
(1-cc copy)

1-ec AECOM Attn: Clifford Halvorsen

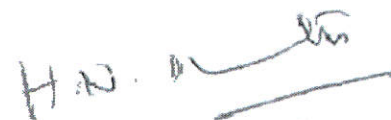
1-ec AECOM Attn: Amanda Loethen

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: 03/03/2017
Report Date: 03/31/2017 Previously Reported: 03/13/2017 Sampled By: Kanzler, Matthew
Project: Katy Gaston Road from Westpark Dr. to Summerset Ridge Lane, Fort Bend County By Order Of: Domingo w/Allgood Const
Location: Katy Gaston Road North Bound Stations 18+95 to 29+15, and Enchanted Crossing Approach Order Number:

Client: Fort Bend County Engineering Department

REPORT: REPORT OF CONCRETE COMPRESSIVE STRENGTH TEST LAB NO: 125243-1
Test Method: See Below

TEST RESULTS

Report No: 1-2703-000107

Page 1 of 12

Set: 1 of 6

Sample Location: Katy Gaston Road North Bound Station 29+15

MEETS REFERENCE VALUE

Specifications: 3500 psi @ 28 days / 3500 psi @ 28 days

Date Sampled: 3/3/17 Source/Sampled At: Allied / Onsite

of Specimens: 6 Plant: 4A-Side

Time Batched: 4:04 am Description: 5.5 sacks

Time Sampled: 4:38 am Mix Design: 22135506

Water Added: 10 Gal Truck No: 0364

Weather: Partly Cloudy/C Ticket No: 4509003

Quantity Represented: 10 cu. yds. at 98.5 cu. yds. placed of a 520 cu. yd. total placement

Placement Location: Katy Gaston Road North Bound Stations 18+95 to 29+15

Measurements Requirements

Air Temp. (°F): 45 Min. 40

Concrete Temp. (°F): 65 Max. 95

Slump (in.): 6.00 1-6

Air Content by Vol. (%): 2.9 2.5-4.5

Unit Weight (pcf):

TEST RESULTS

CYL	Test Age (days)	Diameter (in)	Area (in²)	Type of Break	Maximum Load (lbs)	Compressive Strength (PSI)	Average Strength (PSI)	Comments
A	7/19/44	9999.99	6.00	28.274				Damaged in field
B	7/19/44	9999.99	6.00	28.274				Damaged in field
C	7/19/44	9999.99	6.00	28.274				Damaged in field
D	7/19/44	9999.99	6.00	28.274				Damaged in field
E	3/31/17	28.00	6.00	28.274	3. Type 3	127,030	4,490	

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: 03/03/2017
Report Date: 03/31/2017 Previously Reported: 03/13/2017 Sampled By: Kanzler, Matthew
Project: Katy Gaston Road from Westpark Dr. to Somerset Ridge Lane, Fort Bend County By Order Of: Domingo w/Allgood Const
Location: Katy Gaston Road North Bound Stations 18+95 to 29+15, and Enchanted Crossing Approach Order Number:

Client: Fort Bend County Engineering Department

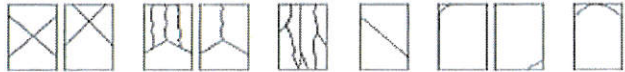
REPORT: REPORT OF CONCRETE COMPRESSIVE STRENGTH TEST LAB NO: 125243-1
Test Method: See Below

TEST RESULTS

Report No: 1-2703-000107

Page 2 of 12

TEST RESULTS

CYL ID	Test Date	Test Age (days)	Diameter (in)	Area (in ²)	Type of Break	Maximum Load (lbs)	Compressive Strength (PSI)	Average Strength (PSI)	Comments
F	3/31/17	28.00	6.00	28.274	5. Type 5	120,810	4,270	4,380	
									
Type 1 Type 2 Type 3 Type 4 Type 5 Type 6									

Remarks: As per ASTM C31, initial curing will be by the Standard Curing Method. Specimens will be cured utilizing plastic bags; final curing method will be within our approved moisture room. Initial Cure Temperature, Max.= 68°F and Min.= 60°F.

Test Method: Unless noted, concrete was sampled and tested in accordance with ASTM C31, C39, C172, C143, C231(except 6) or C173, C1064, C1231.

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: 03/03/2017
Report Date: 03/31/2017 Previously Reported: 03/13/2017 Sampled By: Kanzler, Matthew
Project: Katy Gaston Road from Westpark Dr. to Summerset Ridge Lane, Fort Bend County By Order Of: Domingo w/Allgood Const
Location: Katy Gaston Road North Bound Stations 18+95 to 29+15, and Enchanted Crossing Approach Order Number:

Client: Fort Bend County Engineering Department

REPORT: REPORT OF CONCRETE COMPRESSIVE STRENGTH TEST LAB NO: 125243-1
Test Method: See Below

TEST RESULTS

Report No: 1-2703-000107
Page 3 of 12

Set: 2 of 6

Sample Location: Katy Gaston Road North Bound Station 28+05

MEETS REFERENCE VALUE

Specifications: 3500 psi @ 28 days / 3500 psi @ 28 days			
Date Sampled: 3/3/17	Source/Sampled At: Allied / onsite	Measurements	Requirements
# of Specimens: 6	Plant: 4A-Side	Air Temp. (°F): 46	Min. 40
Time Batched: 4:42 am	Description: 5.5 sacks	Concrete Temp. (°F): 63	Max. 95
Time Sampled: 5:11 am	Mix Design: 22135506	Slump (in.): 6.50	1-6
Water Added: 10 Gal	Truck No: 0490	Air Content by Vol. (%): 3.1	2.5-4.5
Weather: Partly Cloudy/C	Ticket No: 4509012	Unit Weight (pcf):	
Quantity Represented: 9.5 cu. yds. at 187.5 cu. yds. placed of a 520 cu. yd. total placement			
Placement Location: Katy Gaston Road North Bound Stations 18+95 to 29+15			

TEST RESULTS

CYL ID	Test Date	Test Age (days)	Diameter (in)	Area (in ²)	Type of Break	Maximum Load (lbs)	Compressive Strength (PSI)	Average Strength (PSI)	Comments
A	3/6/17	3.00	6.00	28.274	5. Type 5	79,650	2,820		
B	3/6/17	3.00	6.00	28.274	5. Type 5	83,000	2,940	2,880	
C	3/10/17	7.00	6.00	28.274	5. Type 5	93,210	3,300		
D	3/10/17	7.00	6.00	28.293	5. Type 5	93,710	3,310	3,300	
E	3/31/17	28.00	6.00	28.274	5. Type 5	109,490	3,870		

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: 03/03/2017
Report Date: 03/31/2017 Previously Reported: 03/13/2017 Sampled By: Kanzler, Matthew
Project: Katy Gaston Road from Westpark Dr. to Summerset Ridge Lane, Fort Bend County By Order Of: Domingo w/Allgood Const
Location: Katy Gaston Road North Bound Stations 18+95 to 29+15, and Enchanted Crossing Approach Order Number:

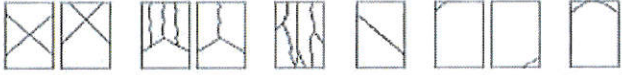
Client: Fort Bend County Engineering Department

REPORT: REPORT OF CONCRETE COMPRESSIVE STRENGTH TEST LAB NO: 125243-1
Test Method: See Below

TEST RESULTS

Report No: 1-2703-000107
Page 4 of 12

TEST RESULTS

CYL ID	Test Date	Test Age (days)	Diameter (in)	Area (in ²)	Type of Break	Maximum Load (lbs)	Compressive Strength (PSI)	Average Strength (PSI)	Comments
F	3/31/17	28.00	6.00	28.274	3. Type 3	115,320	4,080	3,980	
									
Type 1 Type 2 Type 3 Type 4 Type 5 Type 6									

Remarks: As per ASTM C31, initial curing will be by the Standard Curing Method. Specimens will be cured utilizing plastic bags; final curing method will be within our approved moisture room. Initial Cure Temperature, Max.= 68°F and Min.= 60°F.

Test Method: Unless noted, concrete was sampled and tested in accordance with ASTM C31, C39, C172, C143, C231(except 6) or C173, C1064, C1231.

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: 03/03/2017
Report Date: 03/31/2017 Previously Reported: 03/13/2017 Sampled By: Kanzler, Matthew
Project: Katy Gaston Road from Westpark Dr. to Summerset Ridge Lane, Fort Bend County By Order Of: Domingo w/Allgood Const
Location: Katy Gaston Road North Bound Stations 18+95 to 29+15, and Enchanted Crossing Approach Order Number:

Client: Fort Bend County Engineering Department

REPORT: REPORT OF CONCRETE COMPRESSIVE STRENGTH TEST LAB NO: 125243-1
Test Method: See Below

TEST RESULTS

Report No: 1-2703-000107
Page 5 of 12

Set: 3 of 6

Sample Location: Katy Gaston Road North Bound Station 22+75

MEETS REFERENCE VALUE

Specifications: 3500 psi @ 28 days / 3500 psi @ 28 days			
Date Sampled: 3/3/17	Source/Sampled At: Allied / Onsite		
# of Specimens: 6	Plant: 4B-Side	Air Temp. (°F): 48	Measurements Requirements
Time Batched: 5:08 am	Description: 5.5 sacks	Concrete Temp. (°F): 64	Min. 40
Time Sampled: 6:20 am	Mix Design: 22135506	Slump (in.): 6.25	Max. 95
Water Added: 10 Gal	Truck No: 0446	Air Content by Vol. (%): 3.2	1-6
Weather: Partly Cloudy/C	Ticket No: 4509019	Unit Weight (pcf):	2.5-4.5
Quantity Represented: 10 cu. yds. at 256.5 cu. yds. placed of a 520.0 cu. yd. total placement			
Placement Location: Katy Gaston Road North Bound Stations 18+95 to 29+15			

TEST RESULTS

CYL ID	Test Date	Test Age (days)	Diameter (in)	Area (in ²)	Type of Break	Maximum Load (lbs)	Compressive Strength (PSI)	Average Strength (PSI)	Comments
A	3/6/17	3.00	6.00	28.274	5. Type 5	91,550	3,240		
B	3/6/17	3.00	6.00	28.274	5. Type 5	95,550	3,380	3,310	
C	3/10/17	7.00	6.00	28.274	5. Type 5	100,600	3,560		
D	3/10/17	7.00	6.00	28.274	5. Type 5	104,870	3,710	3,630	
E	3/31/17	28.00	6.00	28.274	3. Type 3	146,870	5,190		

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: 03/03/2017
Report Date: 03/31/2017 Previously Reported: 03/13/2017 Sampled By: Kanzler, Matthew
Project: Katy Gaston Road from Westpark Dr. to Summerset Ridge Lane, Fort Bend County By Order Of: Domingo w/Allgood Const
Location: Katy Gaston Road North Bound Stations 18+95 to 29+15, and Enchanted Crossing Approach Order Number:


Client: Fort Bend County Engineering Department

REPORT: REPORT OF CONCRETE COMPRESSIVE STRENGTH TEST LAB NO: 125243-1
Test Method: See Below

TEST RESULTS

Report No: 1-2703-000107
Page 6 of 12

TEST RESULTS

CYL ID	Test Date	Test Age (days)	Diameter (In)	Area (in ²)	Type of Break	Maximum Load (lbs)	Compressive Strength (PSI)	Average Strength (PSI)	Comments
F	3/31/17	28.00	6.00	28.274	2. Type 2	139,270	4,930	5,060	
									
Type 1 Type 2 Type 3 Type 4 Type 5 Type 6									

Remarks: As per ASTM C31, initial curing will be by the Standard Curing Method. Specimens will be cured utilizing plastic bags; final curing method will be within our approved moisture room. Initial Cure Temperature, Max.= 68°F and Min.= 60°F.

Test Method: Unless noted, concrete was sampled and tested in accordance with ASTM C31, C39, C172, C143, C231(except 6) or C173, C1064, C1231.

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: 03/03/2017
Report Date: 03/31/2017 Previously Reported: 03/13/2017 Sampled By: Kanzler, Matthew
Project: Katy Gaston Road from Westpark Dr. to Summerset Ridge Lane, Fort Bend County By Order Of: Domingo w/Allgood Const
Location: Katy Gaston Road North Bound Stations 18+95 to 29+15, and Enchanted Crossing Approach Order Number:

Client: Fort Bend County Engineering Department

REPORT: REPORT OF CONCRETE COMPRESSIVE STRENGTH TEST LAB NO: 125243-1
Test Method: See Below

TEST RESULTS

Report No: 1-2703-000107
Page 7 of 12

Set: 4 of 6

Sample Location: Katy Gaston Road North Bound Station 21+00

MEETS REFERENCE VALUE

Specifications: 3500 psi @ 28 days / 3500 psi @ 28 days			
Date Sampled: 3/3/17	Source/Sampled At: Allied / Onsite	Measurements	Requirements
# of Specimens: 6	Plant: 4B-Side	Air Temp. (°F): 48	Min. 40
Time Batched: 6:53 am	Description: 5.5 sacks	Concrete Temp. (°F): 64	Max. 95
Time Sampled: 7:31 am	Mix Design: 22135506	Slump (in.): 4.50	1-6
Water Added: 5 Gal	Truck No: 0446	Air Content by Vol. (%): 3.3	2.5-4.5
Weather: Cloudy/Cool	Ticket No: 4509038	Unit Weight (pcf):	
Quantity Represented: 10 cu. yds. at 326.5 cu. yds. placed of a 520.0 cu. yd. total placement			
Placement Location: Katy Gaston Road North Bound Stations 18+95 to 29+15			

TEST RESULTS

CYL ID	Test Date	Test Age (days)	Diameter (in)	Area (in ²)	Type of Break	Maximum Load (lbs)	Compressive Strength (PSI)	Average Strength (PSI)	Comments
A	3/6/17	3.00	6.00	28.274	2. Type 2	67,760	2,400		
B	3/6/17	3.00	6.00	28.274	5. Type 5	64,810	2,290	2,340	
C	3/10/17	7.00	6.00	28.274	5. Type 5	97,650	3,450		
D	3/10/17	7.00	6.00	28.274	5. Type 5	104,420	3,690	3,570	
E	3/31/17	28.00	6.00	28.274	5. Type 5	111,150	3,930		

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: 03/03/2017
Report Date: 03/31/2017 Previously Reported: 03/13/2017 Sampled By: Kanzler, Matthew
Project: Katy Gaston Road from Westpark Dr. to Summerset Ridge Lane, Fort Bend County By Order Of: Domingo w/Allgood Const
Location: Katy Gaston Road North Bound Stations 18+95 to 29+15, and Enchanted Crossing Approach Order Number:

Client: Fort Bend County Engineering Department

REPORT: REPORT OF CONCRETE COMPRESSIVE STRENGTH TEST LAB NO: 125243-1
Test Method: See Below

TEST RESULTS

Report No: 1-2703-000107

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TEST RESULTS

CYL ID	Test Date	Test Age (days)	Diameter (in)	Area (in ²)	Type of Break	Maximum Load (lbs)	Compressive Strength (PSI)	Average Strength (PSI)	Comments
F	3/31/17	28.00	6.00	28.274	5. Type 5	120,500	4,260	4,100	
Type 1 Type 2 Type 3 Type 4 Type 5 Type 6									

Remarks: As per ASTM C31, initial curing will be by the Standard Curing Method. Specimens will be cured utilizing plastic bags; final curing method will be within our approved moisture room. Initial Cure Temperature, Max.= 68°F and Min.= 60°F.

Test Method: Unless noted, concrete was sampled and tested in accordance with ASTM C31, C39, C172, C143, C231(except 6) or C173, C1064, C1231.

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: 03/03/2017
Report Date: 03/31/2017 Previously Reported: 03/13/2017 Sampled By: Kanzler, Matthew
Project: Katy Gaston Road from Westpark Dr. to Summerset Ridge Lane, Fort Bend County By Order Of: Domingo w/Allgood Const
Location: Katy Gaston Road North Bound Stations 18+95 to 29+15, and Enchanted Crossing Approach Order Number:

Client: Fort Bend County Engineering Department

REPORT: REPORT OF CONCRETE COMPRESSIVE STRENGTH TEST LAB NO: 125243-1
Test Method: See Below

TEST RESULTS

Report No: 1-2703-000107
Page 9 of 12

Set: 5 of 6

Sample Location: Katy Gaston Road North Bound Station 18+95

MEETS REFERENCE VALUE

Specifications: 3500 psi @ 28 days / 3500 psi @ 28 days			
Date Sampled: 3/3/17	Source/Sampled At: Allied / Onsite		
# of Specimens: 6	Plant: 4B-Side	Air Temp. (°F): 55	Measurements Requirements Min. 40
Time Batched: 8:30 am	Description: 5.5 sacks	Concrete Temp. (°F): 69	Max. 95
Time Sampled: 9:11 am	Mix Design: 22135506	Slump (in.): 5.75	1-6
Water Added: 5 Gal	Truck No: 0437	Air Content by Vol. (%): 3.0	2.5-4.5
Weather: Partly Cloudy/C	Ticket No: 4509060	Unit Weight (pcf):	
Quantity Represented: 10 cu. yds. at 436.5 cu. yds. placed of a 520.0 cu. yd. total placement			
Placement Location: Katy Gaston Road North Bound Stations 18+95 to 29+15			

TEST RESULTS

CYL ID	Test Date	Test Age (days)	Diameter (in)	Area (in ²)	Type of Break	Maximum Load (lbs)	Compressive Strength (PSI)	Average Strength (PSI)	Comments
A	3/6/17	3.00	6.00	28.274	5. Type 5	55,670	1,970		
B	3/6/17	3.00	6.00	28.274	3. Type 3	61,740	2,180	2,080	
C	3/10/17	7.00	6.00	28.274	5. Type 5	93,630	3,310		
D	3/10/17	7.00	6.00	28.274	5. Type 5	93,340	3,300	3,310	
E	3/31/17	28.00	6.00	28.274	5. Type 5	125,710	4,450		

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: 03/03/2017
Report Date: 03/31/2017 Previously Reported: 03/13/2017 Sampled By: Kanzler, Matthew
Project: Katy Gaston Road from Westpark Dr. to Summerset Ridge Lane, Fort Bend County By Order Of: Domingo w/Allgood Const
Location: Katy Gaston Road North Bound Stations 18+95 to 29+15, and Enchanted Crossing Approach Order Number:

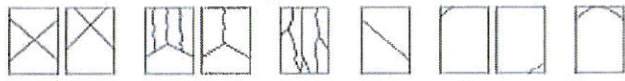
Client: Fort Bend County Engineering Department

REPORT: REPORT OF CONCRETE COMPRESSIVE STRENGTH TEST LAB NO: 125243-1
Test Method: See Below

TEST RESULTS

Report No: 1-2703-000107
Page 10 of 12

TEST RESULTS

CYL ID	Test Date	Test Age (days)	Diameter (in)	Area (in ²)	Type of Break	Maximum Load (lbs)	Compressive Strength (PSI)	Average Strength (PSI)	Comments
F	3/31/17	28.00	6.00	28.274	5. Type 5	118,510	4,190	4,320	
									
Type 1 Type 2 Type 3 Type 4 Type 5 Type 6									

Remarks: As per ASTM C31, initial curing will be by the Standard Curing Method. Specimens will be cured utilizing plastic bags; final curing method will be within our approved moisture room. Initial Cure Temperature, Max.= 68°F and Min.= 60°F.

Test Method: Unless noted, concrete was sampled and tested in accordance with ASTM C31, C39, C172, C143, C231(except 6) or C173, C1064, C1231.

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: 03/03/2017
Report Date: 03/31/2017 Previously Reported: 03/13/2017 Sampled By: Kanzler, Matthew
Project: Katy Gaston Road from Westpark Dr. to Summerset Ridge Lane, Fort Bend County By Order Of: Domingo w/Allgood Const
Location: Katy Gaston Road North Bound Stations 18+95 to 29+15, and Enchanted Crossing Approach Order Number:

Client: Fort Bend County Engineering Department

REPORT: REPORT OF CONCRETE COMPRESSIVE STRENGTH TEST LAB NO: 125243-1
Test Method: See Below

TEST RESULTS

Report No: 1-2703-000107
Page 11 of 12

Set: 6 of 6

Sample Location: Katy Gaston Road North Bound Station 4+50

MEETS REFERENCE VALUE

Specifications: 3500 psi @ 28 days / 3500 psi @ 28 days
Date Sampled: 3/3/17 Source/Sampled At: Allied / Onsite
of Specimens: 6 Plant: 4A-side Air Temp. (°F): 63 Min. 40
Time Batched: 1:00 pm Description: 7 sacks, 1.5" Aggr Concrete Temp. (°F): 69 Max. 95
Time Sampled: 1:36 pm Mix Design: S37004 Slump (in.): 6.75 1-6
Water Added: 15 Gal Truck No: 0472 Air Content by Vol. (%): 3.5 2.5-4.5
Weather: Cloudy/Cool Ticket No: 4509114 Unit Weight (pcf):
Quantity Represented: 9.5 cu. yds. at 9.5 cu. yds. placed of a 80 cu. yd. total placement
Placement Location: Enchanted Crossing Approach

TEST RESULTS

CYL ID	Test Date	Test Age (days)	Diameter (in)	Area (in ²)	Type of Break	Maximum Load (lbs)	Compressive Strength (PSI)	Average Strength (PSI)	Comments
A	3/6/17	3.00	6.00	28.274	5. Type 5	115,690	4,090		
B	3/6/17	3.00	6.00	28.274	5. Type 5	116,900	4,130	4,110	
C	3/10/17	7.00	6.00	28.274	3. Type 3	135,790	4,800		
D	3/10/17	7.00	6.00	28.274	3. Type 3	141,290	5,000	4,900	
E	3/31/17	28.00	6.00	28.274	5. Type 5	164,440	5,820		

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: 03/03/2017
Report Date: 03/31/2017 Previously Reported: 03/13/2017 Sampled By: Kanzler, Matthew
Project: Katy Gaston Road from Westpark Dr. to Summerset Ridge Lane, Fort Bend County By Order Of: Domingo w/Allgood Const
Location: Katy Gaston Road North Bound Stations 18+95 to 29+15, and Enchanted Crossing Approach Order Number:

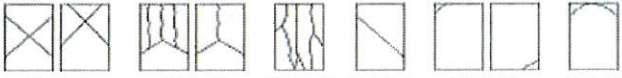
Client: Fort Bend County Engineering Department

REPORT: REPORT OF CONCRETE COMPRESSIVE STRENGTH TEST LAB NO: 125243-1
Test Method: See Below

TEST RESULTS

Report No: 1-2703-000107
Page 12 of 12

TEST RESULTS


CYL ID	Test Date	Test Age (days)	Diameter (in)	Area (in ²)	Type of Break	Maximum Load (lbs)	Compressive Strength (PSI)	Average Strength (PSI)	Comments
F	3/31/17	28.00	6.00	28.274	5. Type 5	164,680	5,820	5,820	
									
Type 1 Type 2 Type 3 Type 4 Type 5 Type 6									

Remarks: As per ASTM C31, initial curing will be by the Standard Curing Method. Specimens will be cured utilizing plastic bags; final curing method will be within our approved moisture room. Initial Cure Temperature, Max.= 68°F and Min.= 60°F.

Test Method: Unless noted, concrete was sampled and tested in accordance with ASTM C31, C39, C172, C143, C231(except 6) or C173, C1064, C1231.

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.
Geotechnical & Materials Engineers

PROJECT DAILY ACTIVITY SUMMARY

Project: Katy Gaston Rd from Westpark Dr to Somerset Ridge Lane

Project No.: 16M13347

Report No.: 125244

Client: Fort Bend County Eng Dept

Date: 03-04-2017

Contractor: Allgood Const

Testing Lab: QC Laboratories, Inc

COH WBS No.: _____

HC Job No.: _____

TIME RECORD

Time depart office: 7:00am Time arrive project: 7:45am Time depart project: 8:15am Time arrive office: 9:15am

Lunch begin: — Lunch End: —

Billable RT hours: — Billable OT hours: 2.25 Technician Name: MARCOS PEREIRA

ACTIVITIES

_____ Proctor Sample P/U	<input checked="" type="checkbox"/> Concrete Sample P/U	_____ Asphalt Sample P/U
_____ Field Density Testing	_____ Concrete Sampling	_____ Asphalt Testing
_____ Other (Description) _____		

SUMMARY OF FIELD ACTIVITIES

picked up 6 sets of 6 cylinders, from which 4 cylinders of Set No 1, were completely destroyed.

Technician Signature: [Signature]

Certification Level & Organization: ACI

Inspector Signature: _____

Inspector Name (print): _____



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

Client No: 091316 Proj No: 16M13347 Date Sampled: 03/04/2017
Report Date: 03/08/2017 Sampled By: Pereira, Marcus
Project: Katy Gaston Road from Westpark Dr. to Summerset Ridge Lane, Fort Bend County By Order Of: Domingo w/Allgood Const
Location: Katy Gaston Road North Bound Stations 18+95 to 29+15, and Enchanted Crossing Approach Order Number:

Client: Fort Bend County Engineering Department

REPORT: Report of Concrete Sample Pickup

LAB NO: 125244

TEST RESULTS

Report No: 1-2703-000108

Page 1 of 1

On 03/04/2017, a representative of QC Laboratories, Inc. was at the above referenced project to pick up 6 sets of 6 cylinders which were cast on 03/03/2017. The samples were returned to the laboratory for curing and testing.

Compressive strength test results on the cylinders will be reported separately.

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.


Huijundi Dwarakanath, P.E., Senior Project Engineer



LABORATORIES, INC.
Geotechnical & Materials Engineers

FIC #109
(6) Cyl #110

PROJECT DAILY ACTIVITY SUMMARY

Project: Katy Gaston Rd. Project No.: 16M13347
Client: Fort Bend County Engineering Dept. Report No.: 125,525
Contractor: Allgood Date: 3.15.17
COH WBS No.: _____ Testing Lab: QC Laboratories, Inc
HC Job No.: _____

TIME RECORD

Time depart office: 9:00am Time arrive project: 10:00am Time depart project: 3:30pm Time arrive office: 4:30pm
Lunch begin: — Lunch End: —
Billable RT hours: 7.5 Billable OT hours: — Technician Name: David M. Ransel

ACTIVITIES

<input type="checkbox"/> Proctor Sample P/U	<input checked="" type="checkbox"/> Concrete Sample P/U	<input type="checkbox"/> Asphalt Sample P/U
<input type="checkbox"/> Field Density Testing	<input checked="" type="checkbox"/> Concrete Sampling	<input type="checkbox"/> Asphalt Testing
<input type="checkbox"/> Other (Description) _____		

SUMMARY OF FIELD ACTIVITIES

a QC laboratories representative arrived on site, as requested by contractor, and performed concrete testing. 1 set of 4 concrete cylinders were cast. All field tests met project specifications.

* This sidewalk pour started at 10:45 and last truck arrived at 2:30pm.

Technician Signature: _____

Certification Level & Organization: ACI

Inspector Signature: _____

Inspector Name (print): _____

Client No: 091316 Proj No: 16M13347 Date Sampled: 03/15/2017
Report Date: 03/22/2017 Sampled By: Ramsel, David
Project: Katy Gaston Road from Westpark Dr. to Summerset Ridge Lane, Fort Bend County By Order Of: Domingo w/Allgood Const
Location: Sidewalk along Katy Gaston Road - 0' to 720' North of Enchanted Crossing Order Number:

Client: Fort Bend County Engineering Department

REPORT: Report of Field Inspection of Concrete

LAB NO: 125525

TEST RESULTS

Report No: 1-2703-000109


Page 1 of 1

On 03/15/2017, a representative of QC Laboratories, Inc. was at the above referenced project in order to perform a field inspection of concrete. The area where the concrete was placed can be described as Sidewalk along Katy Gaston Road from Enchanted Crossing to 720' North.

A total of 50 cubic yards of concrete was placed while the technician was on-site. The concrete delivered was a 5.5 sacks, paving mix, design no. 22135506, supplied by Allied. 1 set of 6 cylinders were cast for this placement.

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: 03/15/2017
Report Date: 03/22/2017 Sampled By: Ramsel, David
Project: Katy Gaston Road from Westpark Dr. to Summerset Ridge Lane, Fort Bend County By Order Of: Domingo w/Allgood Const
Location: Katy Gaston Rd. Sidewalk, 140' North of Enchanted Crossing Order Number:
Client: Fort Bend County Engineering Department Number of Specimens: 6
REPORT: REPORT OF CONCRETE COMPRESSIVE STRENGTH TEST LAB NO: 125525-1
Test Method: See Below

TEST RESULTS

Report No: 1-2703-000110
Page 1 of 2

Sample Location: Katy Gaston Rd. Sidewalk, 140' North of Enchanted Crossing

Specifications: 2500 psi @ 28 days / 2500 psi @ 28 days

Date Sampled: 3/15/17 **Source/Sampled At:** Allied / Onsite

of Specimens: 6 **Plant:** 4A-Side

Time Batched: 9:31 am **Description:** 5.5 sk, paving mix

Time Sampled: 11:10 am **Mix Design:** 22135506

Water Added: 8 Gal **Truck No:** 387

Weather: Clear **Ticket No:** 4509748

Quantity Represented: 10 cu. yds. at 20 cu. yds. placed of a 50 cu. yd. total placement

Placement Location: Sidewalk along Katy Gaston Road - 0' to 720' North of Enchanted Crossing

Measurements Requirements

Air Temp. (°F): 59 **Min.** 40

Concrete Temp. (°F): 62 **Max.** 95

Slump (in.): 5.75 **2-4**

Air Content by Vol. (%): 4.1 **2.5-5**

Unit Weight (pcf):

TEST RESULTS

CYL ID	Test Date	Test Age (days)	Diameter (in)	Area (in ²)	Type of Break	Maximum Load (lbs)	Compressive Strength (PSI)	Average Strength (PSI)	Comments
A	3/22/17	7.00	6.00	28.274	5. Type 5	66,110	2,340		
B	3/22/17	7.00	6.00	28.274	5. Type 5	60,830	2,150	2,240	
C	4/12/17	28.00	6.00	28.274					
D	4/12/17	28.00	6.00	28.274					
E	5/10/17	56.00	6.00	28.274					
F	5/10/17	56.00	6.00	28.274					



Type 1



Type 2



Type 3



Type 4



Type 5



Type 6

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:	03/15/2017
Report Date:	03/22/2017			Sampled By:	Ramsel, David
Project:	Katy Gaston Road from Westpark Dr. to Summerset Ridge Lane, Fort Bend County			By Order Of:	Domingo w/Allgood Const
Location:	Katy Gaston Rd. Sidewalk, 140' North of Enchanted Crossing			Order Number:	
Client:	Fort Bend County Engineering Department			Number of Specimens:	6
REPORT:	REPORT OF CONCRETE COMPRESSIVE STRENGTH TEST			LAB NO:	125525-1
				Test Method:	See Below

TEST RESULTS

Report No: 1-2703-000110
Page 2 of 2

Remarks: As per ASTM C31, initial curing will be by the Standard Curing Method. Specimens will be cured utilizing plastic bags; final curing method will be within our approved moisture room. Initial Cure Temperature, Max.= 68°F and Min.= 60°F.

Test Method: Unless noted, concrete was sampled and tested in accordance with ASTM C31, C39, C172, C143, C231(except 6) or C173, C1064, C1231.

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.
Geotechnical & Materials Engineers

PROJECT DAILY ACTIVITY SUMMARY

Project: Katy Gaston Road

Project No.: 16M13347

Client: Fort Bend County Engineering Department

Report No.: 125565

Date: 3-16-2017

Contractor: _____

Testing Lab: QC Laboratories, Inc

COH WBS No.: _____

HC Job No.: _____

TIME RECORD

Time depart office: 9:45a Time arrive project: 10:30a Time depart project: 7:00p Time arrive office: 7:45p

Lunch begin: 12:30pm Lunch End: 1:00pm

Billable RT hours: 8.0 Billable OT hours: 1.5 Technician Name: Allen Allensworth

ACTIVITIES

<u>X</u> Proctor Sample P/U	<u>X</u> Concrete Sample P/U	_____ Asphalt Sample P/U
<u>X</u> Field Density Testing	_____ Concrete Sampling	_____ Asphalt Testing
Other (Description) _____		

SUMMARY OF FIELD ACTIVITIES

Tech arrived job as requested at 10:30a, Contractor crew did not have full crew to accomplish task at hand, the crew showed up at 11:30a, The contractor took lunch at 12:00p. Tech stood by, Contractor excavated at Storm Sewer Manhole to place 18" X 8' RCP and storm sewer additional Box for Drainage. Contractor opened existing storm sewer system for additional drainage boxes. Tech tested CSS for compliance with Jobsite Specifications, one set of six cylinders were picked up and taken back to laboratory

Technician Signature: _____

Certification Level & Organization: _____

NICET II

Inspector Signature: _____

Inspector Name (print): _____

Client No: 091316 Proj No: 16M13347 Date Sampled: 03/16/2017
Report Date: 03/22/2017 Sampled By: Allensworth, Allen
Project: Katy Gaston Road from Westpark Dr. to Summerset Ridge Lane, Fort Bend County By Order Of: Louise w/Allgood Const
Location: Storm Sewer Box Tie-in Stations 17+57 and 18+99 Order Number:

Client: Fort Bend County Engineering Department

REPORT: Report of Field Density Testing

LAB NO: 125565

Test Method: See Below

TEST RESULTS

Report No: 1-2703-000111

Page 1 of 2

Proctor No	Proctor Date	Optimum Moisture (%)	Maximum Dry Density (pcf)	Color / Description
124128-1	01/20/2017	13.2	110.7	Brown / 1.5sk Cement Stabilized Sand

Specification

Specification No.	Compaction, %	Moisture Band	
		Minimum	Maximum
1	95		

Material: Storm Sewer Box Tie-in Station 17+57

Test No.	Gauge Depth	Location	Wet Density (pcf)	Moisture Content %	Dry Density (pcf)	Proctor Number	Spec. No.	Percent Proctor Density	Pass Fail
1	6	Storm Sewer Box Bedding (7' Below Grade)	125.4	13.6	110.4	124128-1	1	99.7	Pass
2	6	12' East of East Edge of Manhole (6' Below Grade)	126.0	14.9	109.7	124128-1	1	99.1	Pass
3	6	6' East of East Edge of Manhole (2' Below Grade)	122.0	10.3	110.6	124128-1	1	99.9	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: 03/16/2017
Report Date: 03/22/2017 Sampled By: Allensworth, Allen
Project: Katy Gaston Road from Westpark Dr. to Summerset Ridge Lane, Fort Bend County By Order Of: Louise w/Allgood Const
Location: Storm Sewer Box Tie-in Stations 17+57 and 18+99 Order Number:

Client: Fort Bend County Engineering Department

REPORT: Report of Field Density Testing

LAB NO: 125565

Test Method: See Below

TEST RESULTS

Report No: 1-2703-000111

Page 2 of 2


Material: Storm Sewer Box Tie-in Station 18+99

Test No.	Gauge Depth	Location	Wet Density (pcf)	Moisture Content %	Dry Density (pcf)	Proctor Number	Spec. No.	Percent Proctor Density	Pass Fail
4	6	Storm Sewer Box Bedding (6' Below Grade)	119.2	10.5	107.9	124128-1	1	97.5	Pass
5	6	2' East of Manhole (2' Below Grade)	121.3	9.9	110.4	124128-1	1	99.7	Pass

Gauge No.: 62769 Daily Standard Counts: 03/16/2017 DS: 2465 MS: 663
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



LABORATORIES, INC.
Geotechnical & Materials Engineers

TTC # 112
(6) W1 # 113
FDT # 114

PROJECT DAILY ACTIVITY SUMMARY

Project: Katy Gaston Road Project No.: 16M13347
Client: Fort Bend County Engineering Dept. Report No.: 125 ~~555~~ 580
Contractor: All Good Date: 3-17-2017
COH WBS No.: _____ Testing Lab: QC Laboratories, Inc
HC Job No.: _____

TIME RECORD

Time depart office: 4:45am Time arrive project: 5:30am Time depart project: 10:15am Time arrive office: 11:00am
Lunch begin: - Lunch End: -
Billable RT hours: 6.25 Billable OT hours: - Technician Name: Allen Allensworth

ACTIVITIES

_____ Proctor Sample P/U	_____ Concrete Sample P/U	_____ Asphalt Sample P/U
_____ Field Density Testing	<u>X</u> Concrete Sampling	_____ Asphalt Testing
_____ Other (Description) _____		

SUMMARY OF FIELD ACTIVITIES

Tech arrived job as requested at 5:30am, Tech made one set of 6 cylinders for compliance with job site specifications, the mix was 7 sack High Early Concrete mix. Tech tested CSS + Site Material for compliance with job site specifications.

Technician Signature: _____

Certification Level & Organization: _____

Inspector Signature: _____

Inspector Name (print): _____



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

Client No: 091316 Proj No: 16M13347 Date Sampled: 03/17/2017
Report Date: 03/22/2017 Sampled By: Allensworth, Allen
Project: Katy Gaston Road from Westpark Dr. to Summerset Ridge Lane, Fort Bend County By Order Of: Domingo w/Allgood Const
Location: Driveway at Station 18+19 Order Number:

Client: Fort Bend County Engineering Department

REPORT: Report of Field Inspection of Concrete

LAB NO: 125580

TEST RESULTS

Report No: 1-2703-000112

Page 1 of 1

On 03/17/2017, a representative of QC Laboratories, Inc. was at the above referenced project in order to perform a field inspection of concrete. The area where the concrete was placed can be described as Paving (Driveway at Station 18+19).

A total of 33 cubic yards of concrete was placed while the technician was on-site. The concrete delivered was a 7 sacks, 1.5" aggregate, HE mix, design no. 24157008, supplied by Allied. 1 sets of 6 cylinders were cast for this placement.

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

THIS REPORT APPLIES ONLY TO THE STANDARDS OR PROCEDURES INDICATED AND TO THE SAMPLE(S) TESTED AND/OR OBSERVED AND ARE NOT NECESSARILY INDICATIVE OF THE QUALITIES OF APPARENTLY IDENTICAL OR SIMILAR PRODUCTS OR PROCEDURES, NOR DO THEY REPRESENT AN ONGOING QUALITY ASSURANCE PROGRAM UNLESS SO NOTED. THESE REPORTS ARE FOR THE EXCLUSIVE USE OF THE ADDRESSED CLIENT AND ARE NOT TO BE REPRODUCED WITHOUT WRITTEN PERMISSION

Client No: 091316 Proj No: 16M13347 Date Sampled: 03/17/2017
Report Date: 03/22/2017 Sampled By: Allensworth, Allen
Project: Katy Gaston Road from Westpark Dr. to Summerset Ridge Lane, Fort Bend County By Order Of: Domingo w/Allgood Const
Location: Driveway at Station 18+19 - 55' East of East Edge of Road Order Number:
Client: Fort Bend County Engineering Department Number of Specimens: 6
REPORT: REPORT OF CONCRETE COMPRESSIVE STRENGTH TEST LAB NO: 125580-1
Test Method: See Below

TEST RESULTS

Report No: 1-2703-000113
Page 1 of 2

Sample Location: Driveway at Station 18+19 - 55' East of East Edge of Road

Specifications: 2500 psi @ 28 days / 2500 psi @ 28 days

Date Sampled: 3/17/17 Source/Sampled At: Allied / Onsite

of Specimens: 6 Plant: Allied

Time Batched: 5:30 am Description: 7 sk, 1.5" Agg, HE

Time Sampled: 6:05 am Mix Design: 24157008

Water Added: 0 Gal Truck No: 451

Weather: Cool Ticket No: 4509451

Quantity Represented: 10 cu. yds. at 10 cu. yds. placed of a 33 cu. yd. total placement

Placement Location: Driveway at Station 18+19

Measurements Requirements

Air Temp. (°F): 61 Min. 40

Concrete Temp. (°F): 69 Max. 95

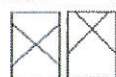
Slump (in.): 5.25 2-4

Air Content by Vol. (%): 3.1 2.5-5

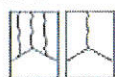
Unit Weight (pcf):

TEST RESULTS

CYL ID	Test Date	Test Age (days)	Diameter (in)	Area (in ²)	Type of Break	Maximum Load (lbs)	Compressive Strength (PSI)	Average Strength (PSI)	Comments
A	3/20/17	3.00	6.00	28.274	3. Type 3	161,900	5,730		
B	3/20/17	3.00	6.00	28.274	2. Type 2	152,580	5,400	5,560	
C	3/24/17	7.00	6.00	28.274	3. Type 3	182,540	6,460		
D	3/24/17	7.00	6.00	28.274	2. Type 2	188,400	6,660	6,560	
E	4/14/17	28.00	6.00	28.274					
F	4/14/17	28.00	6.00	28.274					



Type 1



Type 2



Type 3



Type 4



Type 5



Type 6

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:	03/17/2017
Report Date:	03/22/2017	Sampled By:	Allensworth, Allen	By Order Of:	Domingo w/Allgood Const
Project:	Katy Gaston Road from Westpark Dr. to Summerset Ridge Lane, Fort Bend County			Order Number:	
Location:	Driveway at Station 18+19 - 55' East of East Edge of Road			Number of Specimens:	6
Client:	Fort Bend County Engineering Department			LAB NO:	125580-1
REPORT:	REPORT OF CONCRETE COMPRESSIVE STRENGTH TEST			Test Method:	See Below

TEST RESULTS

Report No: 1-2703-000113
Page 2 of 2

Remarks: As per ASTM C31, initial curing will be by the Standard Curing Method. Specimens will be cured utilizing plastic bags; final curing method will be within our approved moisture room. Initial Cure Temperature, Max.= 80°F and Min.= 61°F.

Test Method: Unless noted, concrete was sampled and tested in accordance with ASTM C31, C39, C172, C143, C231(except 6) or C173, C1064, C1231.

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: 03/17/2017
Report Date: 03/22/2017 Sampled By: Allen Allensworth
Project: Katy Gaston Road from Westpark Dr. to Summerset Ridge Lane, Fort Bend County By Order Of: Domingo w/Allgood Const
Location: Storm Sewer Stations 15+49, 17+57 & 18+99 Order Number:

Client: Fort Bend County Engineering Department

REPORT: Report of Field Density Testing

LAB NO: 125580-2

Test Method: See Below

TEST RESULTS

Report No: 1-2703-000114

Page 1 of 2

Proctor No	Proctor Date	Optimum Moisture (%)	Maximum Dry Density (pcf)	Color / Description
120958-1	09/09/2016	15.6	112.0	Reddish Brown and Gray / Clay
124128-1	01/20/2017	13.2	110.7	Brown / 1.5sk Cement Stabilized Sand

Specification

Specification No.	Compaction, %	Moisture Band	
		Minimum	Maximum
1	95		
2	95		

Material: Storm Sewer Station 15+49

Test No.	Gauge Depth	Location	Wet Density (pcf)	Moisture Content %	Dry Density (pcf)	Proctor Number	Spec. No.	Percent Proctor Density	Pass Fail
1	6	Storm Sewer Box Bedding (7' Below Grade)	126.4	14.1	110.8	124128-1	2	100.1	Pass
2	6	15' East of East Edge of Manhole (6' Below Grade)	124.9	14.8	108.8	124128-1	2	98.3	Pass
3	6	10' East of East Edge of Manhole (2' Below Grade)	123.8	13.4	109.2	124128-1	2	98.6	Pass
4	6	14' East of East Edge of Manhole (Grade)	124.0	15.5	107.4	120958-1	1	95.9	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: 03/17/2017
Report Date: 03/22/2017 Sampled By: Allen Allensworth
Project: Katy Gaston Road from Westpark Dr. to Summerset Ridge Lane, Fort Bend County By Order Of: Domingo w/Allgood Const
Location: Storm Sewer Stations 15+49, 17+57 & 18+99 Order Number:

Client: Fort Bend County Engineering Department

REPORT: Report of Field Density Testing

LAB NO: 125580-2

Test Method: See Below

TEST RESULTS

Report No: 1-2703-000114

Page 2 of 2

Material: Storm Sewer Station 17+57

Test No.	Gauge Depth	Location	Wet Density (pcf)	Moisture Content %	Dry Density (pcf)	Proctor Number	Spec. No.	Percent Proctor Density	Pass Fail
5	6	10' East of East Edge of Manhole (Grade)	127.4	16.1	109.7	120958-1	1	97.9	Pass

Material: Storm Sewer Station 18+99

Test No.	Gauge Depth	Location	Wet Density (pcf)	Moisture Content %	Dry Density (pcf)	Proctor Number	Spec. No.	Percent Proctor Density	Pass Fail
6	6	3' East of East Edge of Manhole (Grade)	124.1	14.9	108.0	120958-1	1	96.4	Pass

Gauge No.: 62769 Daily Standard Counts: 03/17/2017 DS: 2464 MS: 665
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



PROJECT DAILY ACTIVITY SUMMARY

Project: Katy - Gaston Rd

Project No.: 16m13347

Client: Fort bend Co.

Report No.: 125582

Contractor: Allgood

Date: 3/18/17

Testing Lab: QC Laboratories, Inc

COH WBS No.: _____

HC Job No.: _____

TIME RECORD

Time depart office: 8am

Time arrive project: 9am

Time depart project: 1000am

Time arrive office: 11am

Lunch begin: 12:00

Lunch End: 1:00

Billable RT hours: 3.0

Billable OT hours: 3.0

Technician Name: Chris Aicklen

ACTIVITIES

☐ Proctor Sample P/U



☒ Concrete Sample P/U

☐ Asphalt Sample P/U

☐ Field Density Testing

☐ Concrete Sampling

☐ Asphalt Testing

☐ Other (Description) _____

SUMMARY OF FIELD ACTIVITIES

Service techn arrived on location to pick up
a set of six cylinders and returned to shop. Cone
pour cancelled.

Technician Signature: _____

Certification Level & Organization: W. II Direct #113024

Inspector Signature: _____

Inspector Name (print): _____

Client No: 091316 Proj No: 16M13347 Date Sampled: 03/18/2017
Report Date: 03/20/2017 Sampled By: Aicklen, Christopher
Project: Katy Gaston Road from Westpark Dr. to Summerset Ridge Lane, Fort Bend County By Order Of: Louise w/Allgood Const
Location: 6507 Katy Gaston Road, Katy, TX 77494 Order Number:

Client: Fort Bend County Engineering Department

REPORT: Field Construction Daily Report

LAB NO: 125582

TEST RESULTS

Report No: 1-2703-000115

Page 1 of 1

On 03/18/2017, a representative of QC Laboratories, Inc. was present at the above referenced project to perform concrete inspection.

Testing was cancelled by the Contractor and will be rescheduled for a later date. QC Laboratories, Inc. did not receive prior notification of the cancellation.

While on site, the technician picked up 1 set of 6 cylinders which were cast on 03/17/2017. The samples were returned to the laboratory for curing and testing.

Compressive strength test results on the cylinders will be reported separately.

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.
Geotechnical & Materials Engineers

FIC #116
(6) Cyl #117

PROJECT DAILY ACTIVITY SUMMARY

Project: Katy - Gaston Rd.

Project No.: 16m13347

Client: Fortbend Co.

Report No.: 125062

Contractor: Allgood

Date: 3/21/17

COH WBS No.: _____

Testing Lab: QC Laboratories, Inc

HC Job No.: _____

TIME RECORD

Time depart office: 2:30 pm Time arrive project: 1:30 pm Time depart project: 2:30 pm Time arrive office: 3:30 pm

Lunch begin: — Lunch End: —

Billable RT hours: 3.0 Billable OT hours: — Technician Name: Chris Aicklen

ACTIVITIES

_____ Proctor Sample P/U	_____ Concrete Sample P/U	_____ Asphalt Sample P/U
_____ Field Density Testing	_____ Concrete Sampling	_____ Asphalt Testing
_____ Other (Description) _____		

SUMMARY OF FIELD ACTIVITIES

Service techn. arrived on location to perform
concrete testing/sampling for sidewalk @ N.B. side of
Katy - Gaston Rd. Techn. made one set of six cylinders

Technician Signature: 

Certification Level & Organization: W. II Dist #113024

Inspector Signature: _____

Inspector Name (print): _____

Client No: 091316 Proj No: 16M13347 Date Sampled: 03/21/2017
Report Date: 03/22/2017 Sampled By: Aicklen, Christopher
Project: Katy Gaston Road from Westpark Dr. to Summerset Ridge Lane, Fort Bend County By Order Of: Domingo w/Allgood Const
Location: Sidewalk along Katy Gaston Road North Bound Order Number:

Client: Fort Bend County Engineering Department

REPORT: Report of Field Inspection of Concrete

LAB NO: 125662

TEST RESULTS

Report No: 1-2703-000116

Page 1 of 1

On 03/21/2017, a representative of QC Laboratories, Inc. was at the above referenced project in order to perform a field inspection of concrete. The area where the concrete was placed can be described as Sidewalks (Katy Gaston Road North Bound).

A total of 27.5 cubic yards of concrete was placed while the technician was on-site. The concrete delivered was a 5.5 sacks, paving mix, design no. 22135506, supplied by Allied. 1 set of 6 cylinders were cast for this placement.

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: 03/21/2017
Report Date: 03/29/2017 Previously Reported: 03/24/2017 Sampled By: Aicklen, Christopher
Project: Katy Gaston Road from Westpark Dr. to Summerset Ridge Lane, Fort Bend County By Order Of: Domingo w/Allgood Const
Location: Sidewalk Station 18+45, North Bound of Katy Gaston Rd Order Number:
Client: Fort Bend County Engineering Department Number of Specimens: 6
REPORT: REPORT OF CONCRETE COMPRESSIVE STRENGTH TEST LAB NO: 125662-1
Test Method: See Below

TEST RESULTS

Report No: 1-2703-000117
Page 1 of 2

Sample Location: Sidewalk Station 18+45, North Bound of Katy Gaston Rd

Specifications: 2500 psi @ 28 days / 2500 psi @ 28 days

Date Sampled: 3/21/17 **Source/Sampled At:** Allied / Onsite

of Specimens: 6 **Plant:** Allied **Air Temp. (°F):** 84 **Min. 40**

Time Batched: 1:08 pm **Description:** 5.5 sk, paving mix **Concrete Temp. (°F):** 86 **Max. 95**

Time Sampled: 2:10 am **Mix Design:** 22135506 **Slump (in.):** 5.00 **2-4**

Water Added: 5 Gal **Truck No:** 439 **Air Content by Vol. (%):** 2.5 **2.5-5**

Weather: Clear **Ticket No:** 4510092 **Unit Weight (pcf):**

Quantity Represented: 9.5 cu. yds. at 18.0 cu. yds. placed of a 27.5 cu. yd. total placement

Placement Location: Sidewalk on North Bound of Katy Gaston Road

TEST RESULTS

CYL	Test Age (days)	Diameter (in)	Area (in ²)	Type of Break	Maximum Load (lbs)	Compressive Strength (PSI)	Average Strength (PSI)	Comments
A	3/24/17	3.00	6.00	28.274	5. Type 5	41,760	1,480	
B	3/24/17	3.00	6.00	28.274	5. Type 5	53,230	1,880	1,680
C	3/28/17	7.00	6.00	28.274	5. Type 5	61,000	2,160	
D	3/28/17	7.00	6.00	28.274	5. Type 5	49,320	1,740	1,950
E	4/18/17	28.00	6.00	28.274				
F	4/18/17	28.00	6.00	28.274				



Type 1



Type 2



Type 3



Type 4



Type 5



Type 6

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: 03/21/2017
Report Date: 03/29/2017	Previously Reported: 03/24/2017	Sampled By: Aicklen, Christopher
Project: Katy Gaston Road from Westpark Dr. to Summerset Ridge Lane, Fort Bend County	By Order Of: Domingo w/Allgood Const	
Location: Sidewalk Station 18+45, North Bound of Katy Gaston Rd	Order Number:	
Client: Fort Bend County Engineering Department	Number of Specimens: 6	
REPORT: REPORT OF CONCRETE COMPRESSIVE STRENGTH TEST	LAB NO: 125662-1	
	Test Method: See Below	

TEST RESULTS


Report No: 1-2703-000117
Page 2 of 2

Remarks: As per ASTM C31, initial curing will be by the Standard Curing Method. Specimens will be cured utilizing plastic bags; final curing method will be within our approved moisture room. Initial Cure Temperature, Max.= 77°F and Min.= 63°F.

Test Method: Unless noted, concrete was sampled and tested in accordance with ASTM C31, C39, C172, C143, C231(except 6) or C173, C1064, C1231.

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 DAILY ACTIVITY SUMMARY

 Project: Fort Bend Katy Gaston Rd From Westpark Dr.

 Project No.: 16M13347

 Report No.: 125663

 Client: Fort Bend County Engineering Dept

 Date: 3-22-17

Contractor: _____

 Testing Lab: QC Laboratories, Inc

COH WBS No.: _____

HC Job No.: _____

TIME RECORD

 Time depart office: 7am Time arrive project: 8am Time depart project: 830 Time arrive office: 930am

 Lunch begin: - Lunch End: -

 Billable RT hours: 2.5 Billable OT hours: - Technician Name: Demand Chestnut

ACTIVITIES

_____ Proctor Sample P/U	_____ Concrete Sample P/U	_____ Asphalt Sample P/U
_____ Field Density Testing	_____ Concrete Sampling	_____ Asphalt Testing
_____ Other (Description) _____		

SUMMARY OF FIELD ACTIVITIES

Pick up 1 set of 6s cylinder (CPU)

 Technician Signature: Demand Chestnut Certification Level & Organization: Non-certified

Inspector Signature: _____ Inspector Name (print): _____



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

Client No: 091316 Proj No: 16M13347 Date Sampled: 03/22/2017
Report Date: 03/24/2017 Sampled By: Chestnut, Demond
Project: Katy Gaston Road from Westpark Dr. to Summerset Ridge Lane, Fort Bend County By Order Of: Domingo w/Allgood Const
Location: Sidewalk along Katy Gaston Road North Bound Order Number:

Client: Fort Bend County Engineering Department

REPORT: Report of Concrete Sample Pickup

LAB NO: 125663

TEST RESULTS

Report No: 1-2703-000118

Page 1 of 1

On 03/22/2017, a representative of QC Laboratories, Inc. was at the above referenced project to pick up 1 sets of 6 cylinders which were cast on 03/21/2017. The samples were returned to the laboratory for curing and testing.

Compressive strength test results on the cylinders will be reported separately.

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: Thursday, April 20, 2017 1:32 PM
To: Harris, Britten
Cc: Peterson, Jillian; Crawford, Wesley
Subject: FW: Katy Gaston - QC Lab invoice #7
Attachments: 16M13347 March '17 Invoice_Reviewed.pdf

Please process the attached invoice.

Thanks,

Stacy Slawinski

stacy.slawinski@fortbendcountytexas.gov

281-633-7508 office

From: Ton, Huy [<mailto:Huy.Ton@aecom.com>]
Sent: Thursday, April 20, 2017 12:23 PM
To: Slawinski, Stacy
Cc: Loethen, Amanda; qclabs@qclabs.com; Halvorsen, Clifford
Subject: Katy Gaston - QC Lab invoice #7

Stacy,

Please see attached file for QC Lab invoice.

Thank you!

Huy Ton, PE

Cell: 617-818-8557

AECOM

19219 Katy Freeway

Suite 100

Houston, TX 77094, USA



Built to deliver a better world