

PO # 144404
rec 399334

BH

4/4/17



March 30, 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:	\$38,832.95 ✓
Current Month Total:	\$5,904.05
Project Total:	\$44,737.00 ✓

OK, JMS
04/07/17
82%

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.

QC Laboratories, Inc.
10810 Northwest Freeway
Houston, TX 77092

Invoice

DATE	INVOICE #
2/28/2017	11-61488

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

		Project #	Terms	Project	Purchase Order
		I6M13347	Net 30 Days	Katy Gaston Road	
DATE	REPORT #	DESCRIPTION	QTY	RATE	AMOUNT
		Katy Gaston Road from Westpark Dr. to Summerset Ridge Lane, Fort Bend County			
2/2/2017	91	Staff/Project Engineer	0.1	183.00	18.30
		NICET Level II Technician	8	65.00	520.00
		Vehicle Charge	8	10.00	80.00
	92	Staff/Project Engineer	0.1	183.00	18.30
		Concrete Cylinder Compressive Test (ASTM C39)	30	17.00	510.00
2/3/2017	93	Technician	2.5	43.00	107.50
		Vehicle Charge	2.5	10.00	25.00
2/6/2017	94	Staff/Project Engineer	0.1	183.00	18.30
		NICET Level III Technician	4	75.00	300.00
		Vehicle Charge	4	10.00	40.00
		Nuclear Density Gauge Charge	4	10.50	42.00
	95	Staff/Project Engineer	0.1	183.00	18.30
		Atterberg Limits (ASTM D4318)	1	62.00	62.00
		Minus No. 200 Sieve Analysis (ASTM D1140)	1	48.00	48.00
		Moisture Density Relationship Test (ASTM D698)	1	205.00	205.00
2/10/2017	96	Staff/Project Engineer	0.1	183.00	18.30
		ACI Level 1 Technician	8	51.00	408.00
		ACI Level 1 Technician - OT	1.5	76.50	114.75
		Vehicle Charge	8	10.00	80.00
	97	Staff/Project Engineer	0.1	183.00	18.30
		Concrete Cylinder Compressive Test (ASTM C39)	14	17.00	238.00
2/11/2017	98	Technician - OT	2.5	64.50	161.25
		Vehicle Charge	2.5	10.00	25.00
			Total		
			Balance Due		

Phone #
(713) 695-1133

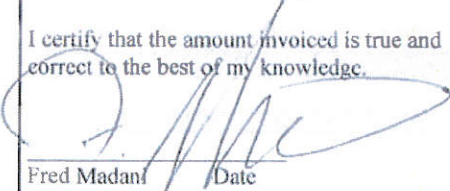
QC Laboratories, Inc.

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Invoice

DATE	INVOICE #
2/28/2017	11-61488

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
2/24/2017	99	Staff/Project Engineer	0.1	183.00	18.30
		NICET Level II Technician	4	65.00	260.00
		Vehicle Charge	3.5	10.00	35.00
2/25/2017	100	Staff/Project Engineer	0.1	183.00	18.30
		NICET Level II Technician - OT	10	97.50	975.00
		Vehicle Charge	8	10.00	80.00
		Percent Solids in Lime Slurry	1	43.00	43.00
	101	Staff/Project Engineer	0.1	183.00	18.30
		Nuclear Density Gauge Charge	8	10.50	84.00
2/27/2017	102	Staff/Project Engineer	0.1	183.00	18.30
		NICET Level II Technician	8	65.00	520.00
		NICET Level II Technician - OT	1.5	97.50	146.25
		Vehicle Charge	8	10.00	80.00
2/28/2017	103	Staff/Project Engineer	0.1	183.00	18.30
		NICET Level II Technician	6	65.00	390.00
		Vehicle Charge	6	10.00	60.00
		Nuclear Density Gauge Charge	6	10.50	63.00
		I certify that the amount invoiced is true and correct to the best of my knowledge.			
		 Fred Madani Date 3/10/17			
				Total	\$5,904.05
				Balance Due	\$5,904.05

Phone #
(713) 695-1133



LABORATORIES, INC.
Geotechnical & Materials Engineers

FIC #91
(30) M1 #92

PROJECT DAILY ACTIVITY SUMMARY

Project: KATY GASTON RD

Project No.: 16M13347

Client: FORT BEND COUNTY

Report No.: 124,483

Contractor: ALLGOOD CONST.

Date: 22-17

COH WBS No.: _____

Testing Lab: QC Laboratories, Inc

HC Job No.: _____

TIME RECORD

Time depart office: 3:15 AM

Time arrive project: 4:00 AM

Time depart project: 10:30 AM

Time arrive office: 11:15 AM

Lunch begin: X

Lunch End: X

Billable RT hours: 8.0

Billable OT hours: —

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 ON SCHEDULE. POUR BEGAN PROMPTLY @ 4:00 AM.
SAMPLED CONCRETE EVERY 100.00 YDS. PERFORMED ALL APPLICABLE TESTS.
MADE 5 SETS OF 6 CYLINDERS. A TOTAL OF 436.00 YDS WAS POURED
FOR KATY GASTON RD - SOUTH BOUND LANES FROM STA # 32+16 TO 29+76
AND 26+20 TO 21+40.

* FOREMAN SAID ROAD WOULD NOT OPEN FOR 1 WEEK, THEREFORE EARLIEST
BREAKS NEEDED WERE 7 DAY *

Technician Signature: _____

Certification Level & Organization: NICET II

Inspector Signature: _____

Inspector Name (print): _____

Client No: 091316 Proj No: 16M13347 Date Sampled: 02/02/2017
Report Date: 02/07/2017 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: South Bound Lanes From Stations 32+16 to 29+76, and 26+20 to 21+40 Order Number:

Client: Fort Bend County Engineering Department

REPORT: Report of Field Inspection of Concrete

LAB NO: 124483

TEST RESULTS

Report No: 1-2703-000091

Page 1 of 1

On 02/02/2017, 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 South Bound Lanes from Stations 32+06 to 29+76, and 26+20 to 21+40.

A total of 436 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.

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.


Huiugundi Dwarakanath, P.E., Senior Project Engineer

Client No: 091316 Proj No: 16M13347 Date Sampled: 02/02/2017
Report Date: 03/02/2017 Previously Reported: 02/17/2017 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: South Bound Lanes From Stations 32+40 to 29+76, and 26+20 to 21+40 Order Number:

Client: Fort Bend County Engineering Department

REPORT: REPORT OF CONCRETE COMPRESSIVE STRENGTH TEST LAB NO: 124483-1
Test Method: See Below

TEST RESULTS

Report No: 1-2703-000092
Page 1 of 10

Set: 1 of 5

Sample Location: Station 32+40 - South Bound, Outside Lane

MEETS REFERENCE VALUE

Specifications: 3500 psi @ 28 days / 3500 psi @ 28 days
Date Sampled: 2/2/17 **Source/Sampled At:** Allied / Onsite
of Specimens: 6 **Plant:** 4B-Side **Air Temp. (°F):** 65 **Min. 40**
Time Batched: 3:42 am **Description:** 5.5 Sk Paving Mix **Concrete Temp. (°F):** 71 **Max. 95**
Time Sampled: 4:16 am **Mix Design:** 22135506 **Slump (in.):** 6.00 **1-6**
Water Added: 10 Gal **Truck No:** 117 **Air Content by Vol. (%):** 3.9 **2.5-4.5**
Weather: Warm/Rain **Ticket No:** 4506808 **Unit Weight (pcf):**
Quantity Represented: 10 cu. yds. at 39.5 cu. yds. placed of a 436.0 cu. yd. total placement
Placement Location: South Bound Lanes From Stations 32+06 to 29+76, and 26+20 to 21+40

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	2/9/17	7.00	6.00	28.256	5. Type 5	93,810	3,320	
B	2/9/17	7.00	6.00	28.274	5. Type 5	99,710	3,530	3,420
C	2/16/17	14.00	6.00	28.274	5. Type 5	105,680	3,740	
D	2/16/17	14.00	6.00	28.274	5. Type 5	110,560	3,910	3,820
E	3/2/17	28.00	6.00	28.274	3. Type 3	118,190	4,180	

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1-ec AECOM Attn: Huy Ton
1-ec Allgood Construction Co. Inc.
Attn: Michael Boenig

Client No: 091316 Proj No: 16M13347 Date Sampled: 02/02/2017
Report Date: 03/02/2017 Previously Reported: 02/17/2017 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: South Bound Lanes From Stations 32+40 to 29+76, and 26+20 to 21+40 Order Number:

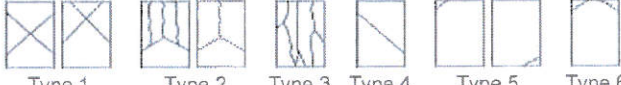
Client: Fort Bend County Engineering Department

REPORT: REPORT OF CONCRETE COMPRESSIVE STRENGTH TEST LAB NO: 124483-1
Test Method: See Below

TEST RESULTS

Report No: 1-2703-000092
Page 2 of 10

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	3/2/17	28.00	6.00	28.274	5. Type 5	119,440	4,220	4,200	
									
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.= 66°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
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Attn: Michael Boenig

Client No: 091316 Proj No: 16M13347 Date Sampled: 02/02/2017
Report Date: 03/02/2017 Previously Reported: 02/17/2017 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: South Bound Lanes From Stations 32+40 to 29+76, and 26+20 to 21+40 Order Number:

Client: Fort Bend County Engineering Department

REPORT: REPORT OF CONCRETE COMPRESSIVE STRENGTH TEST LAB NO: 124483-1
Test Method: See Below

TEST RESULTS

Report No: 1-2703-000092
Page 3 of 10

Set: 2 of 5

Sample Location: Station 30+60 - South Bound - Inside Lane

MEETS REFERENCE VALUE

Specifications: 3500 psi @ 28 days / 3500 psi @ 28 days
Date Sampled: 2/2/17 Source/Sampled At: Allied / Onsite
of Specimens: 6 Plant: 4B-Side
Time Batched: 4:18 am Description: 5.5 Sk Paving Mix
Time Sampled: 4:51 am Mix Design: 22135506
Water Added: 10 Gal Truck No: 446
Weather: Warm/Cloudy Ticket No: 4506816
Quantity Represented: 10 cu. yds. at 119 cu. yds. placed of a 436.0 cu. yd. total placement
Placement Location: South Bound Lanes From Stations 32+16 to 29+76, and 26+20 to 21+40

TEST RESULTS

CYL	Test Date	Test Age (days)	Diameter (in)	Area (in ²)	Type of Break	Maximum Load (lbs)	Compressive Strength (PSI)	Average Strength (PSI)	Comments
A	2/9/17	7.00	6.00	28.274	5. Type 5	90,810	3,210		
B	2/9/17	7.00	6.00	28.274	5. Type 5	89,260	3,160	3,180	
C	2/16/17	14.00	6.00	28.274	3. Type 3	109,170	3,860		
D	2/16/17	14.00	6.00	28.274	5. Type 5	108,110	3,820	3,840	
E	3/2/17	28.00	6.00	28.274	5. Type 5	109,050	3,860		

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1-ec AECOM Attn: Huy Ton
1-ec Allgood Construction Co. Inc.
Attn: Michael Boenig

Client No: 091316 Proj No: 16M13347 Date Sampled: 02/02/2017
Report Date: 03/02/2017 Previously Reported: 02/17/2017 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: South Bound Lanes From Stations 32+40 to 29+76, and 26+20 to 21+40 Order Number:


Client: Fort Bend County Engineering Department

REPORT: REPORT OF CONCRETE COMPRESSIVE STRENGTH TEST LAB NO: 124483-1
Test Method: See Below

TEST RESULTS

Report No: 1-2703-000092
Page 4 of 10

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	3/2/17	28.00	6.00	28.274	5. Type 5	112,900	3,990	3,920	
									
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.= 66°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.

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Client No: 091316 Proj No: 16M13347 Date Sampled: 02/02/2017
Report Date: 03/02/2017 Previously Reported: 02/17/2017 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: South Bound Lanes From Stations 32+40 to 29+76, and 26+20 to 21+40 Order Number:

Client: Fort Bend County Engineering Department

REPORT: REPORT OF CONCRETE COMPRESSIVE STRENGTH TEST LAB NO: 124483-1
Test Method: See Below

TEST RESULTS

Report No: 1-2703-000092
Page 5 of 10

Set: 3 of 5

Sample Location: Station 25+50 - South Bound, Inside Lane

MEETS REFERENCE VALUE

Specifications: 3500 psi @ 28 days / 3500 psi @ 28 days
Date Sampled: 2/2/17 Source/Sampled At: Allied / Onsite
of Specimens: 6 Plant: 4B-Side Air Temp. (°F): 66 Min. 40
Time Batched: 5:21 am Description: 5.5 Sk Paving Mix Concrete Temp. (°F): 72 Max. 95
Time Sampled: 6:04 am Mix Design: 22135506 Slump (in.): 4.75 1-6
Water Added: 0 Gal Truck No: 432 Air Content by Vol. (%): 3.8 2.5-4.5
Weather: Warm/cloudy Ticket No: 4506827 Unit Weight (pcf):
Quantity Represented: 10 cu. yds. at 228 cu. yds. placed of a 436 cu. yd. total placement
Placement Location: South Bound Lanes From Stations 32+16 to 29+76, and 26+20 to 21+40

TEST RESULTS

CYL	Test Date	Test Age (days)	Diameter (in)	Area (in ²)	Type of Break	Maximum Load (lbs)	Compressive Strength (PSI)	Average Strength (PSI)	Comments
A	2/9/17	7.00	6.00	28.274	2. Type 2	91,410	3,230		
B	2/9/17	7.00	6.00	28.274	5. Type 5	91,450	3,230	3,230	
C	2/16/17	14.00	6.00	28.274	5. Type 5	109,440	3,870		
D	2/16/17	14.00	6.00	28.274	5. Type 5	109,010	3,860	3,860	
E	3/2/17	28.00	6.00	28.274	5. Type 5	122,940	4,350		

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1-ec AECOM Attn: Huy Ton
1-ec Allgood Construction Co. Inc.
Attn: Michael Boenig

Client No: 091316 Proj No: 16M13347 Date Sampled: 02/02/2017
Report Date: 03/02/2017 Previously Reported: 02/17/2017 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: South Bound Lanes From Stations 32+40 to 29+76, and 26+20 to 21+40 Order Number:


Client: Fort Bend County Engineering Department

REPORT: REPORT OF CONCRETE COMPRESSIVE STRENGTH TEST LAB NO: 124483-1
Test Method: See Below

TEST RESULTS

Report No: 1-2703-000092
Page 6 of 10

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	3/2/17	28.00	6.00	28.274	5. Type 5	123,290	4,360	4,350	
									
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.= 66°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.

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Client No: 091316 Proj No: 16M13347 Date Sampled: 02/02/2017
Report Date: 03/02/2017 Previously Reported: 02/17/2017 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: South Bound Lanes From Stations 32+40 to 29+76, and 26+20 to 21+40 Order Number:

Client: Fort Bend County Engineering Department

REPORT: REPORT OF CONCRETE COMPRESSIVE STRENGTH TEST LAB NO: 124483-1
Test Method: See Below

TEST RESULTS

Report No: 1-2703-000092
Page 7 of 10

Set: 4 of 5

Sample Location: Station 23+20 - South Bound, Outside Lane

MEETS REFERENCE VALUE

Specifications: 3500 psi @ 28 days / 3500 psi @ 28 days
Date Sampled: 2/2/17 **Source/Sampled At:** Allied / Onsite
of Specimens: 6 **Plant:** 4B-Side **Air Temp. (°F):** 66 Min. 40
Time Batched: 6:11 am **Description:** 5.5 Sk Paving Mix **Concrete Temp. (°F):** 70 Max. 95
Time Sampled: 7:16 am **Mix Design:** 22135506 **Slump (in.):** 5.50 1-6
Water Added: 10 Gal **Truck No:** 400 **Air Content by Vol. (%):** 5.4 2.5-4.5
Weather: Warm/Cloudy **Ticket No:** 4506840 **Unit Weight (pcf):**
Quantity Represented: 10 cu. yds. at 307 cu. yds. placed of a 436 cu. yd. total placement
Placement Location: South Bound Lanes From Stations 32+16 to 29+76, and 26+20 to 21+40

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	2/9/17	7.00	6.00	28.274	3. Type 3	79,280	2,800	
B	2/9/17	7.00	6.00	28.274	5. Type 5	83,530	2,950	2,880
C	2/16/17	14.00	6.00	28.274	5. Type 5	103,690	3,670	
D	2/16/17	14.00	6.00	28.274	5. Type 5	98,600	3,490	3,580
E	3/2/17	28.00	6.00	28.284	3. Type 3	108,240	3,830	

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Attn: Michael Boenig

Client No: 091316 Proj No: 16M13347 Date Sampled: 02/02/2017
Report Date: 03/02/2017 Previously Reported: 02/17/2017 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: South Bound Lanes From Stations 32+40 to 29+76, and 26+20 to 21+40 Order Number:

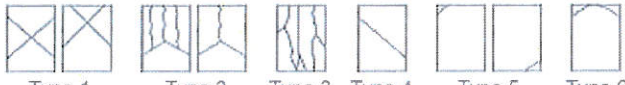
Client: Fort Bend County Engineering Department

REPORT: REPORT OF CONCRETE COMPRESSIVE STRENGTH TEST LAB NO: 124483-1
Test Method: See Below

TEST RESULTS

Report No: 1-2703-000092
Page 8 of 10

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	3/2/17	28.00	6.00	28.274	5. Type 5	95,660	3,380	3,610	
									
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.= 66°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.

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1-ec Allgood Construction Co. Inc.
Attn: Michael Boenig



LABORATORIES, INC.
Engineering and Testing Services

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

Client No: 091316 Proj No: 16M13347 Date Sampled: 02/02/2017
Report Date: 03/02/2017 Previously Reported: 02/17/2017 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: South Bound Lanes From Stations 32+40 to 29+76, and 26+20 to 21+40 Order Number:

Client: Fort Bend County Engineering Department

REPORT: REPORT OF CONCRETE COMPRESSIVE STRENGTH TEST LAB NO: 124483-1
Test Method: See Below

TEST RESULTS

Report No: 1-2703-000092
Page 9 of 10

Set: 5 of 5

Sample Location: Station 21+50 - South Bound

MEETS REFERENCE VALUE

Specifications: 3500 psi @ 28 days / 3500 psi @ 28 days
Date Sampled: 2/2/17 Source/Sampled At: Allied / Onsite
of Specimens: 6 Plant: 4A-side Air Temp. (°F): 63 Min. 40
Time Batched: 7:44 am Description: 5.5 Sk Paving Mix Concrete Temp. (°F): 69 Max. 95
Time Sampled: 8:52 am Mix Design: 22135506 Slump (in.): 5.50 1-6
Water Added: 15 Gal Truck No: 441 Air Content by Vol. (%): 4.9 2.5-4.5
Weather: Cool/Cloudy Ticket No: 4506858 Unit Weight (pcf):
Quantity Represented: 10 cu. yds. at 436 cu. yds. placed of a 436 cu. yd. total placement
Placement Location: South Bound Lanes From Stations 32+16 to 29+76, and 26+20 to 21+40

TEST RESULTS

CYL	Test Date	Test Age (days)	Diameter (in)	Area (in ²)	Type of Break	Maximum Load (lbs)	Compressive Strength (PSI)	Average Strength (PSI)	Comments
A	2/9/17	7.00	6.00	28.274	5. Type 5	101,950	3,610		
B	2/9/17	7.00	6.00	28.274	5. Type 5	101,480	3,590	3,600	
C	2/16/17	14.00	6.00	28.274	5. Type 5	116,620	4,120		
D	2/16/17	14.00	6.00	28.274	3. Type 3	113,480	4,010	4,070	
E	3/2/17	28.00	6.00	28.274	5. Type 5	121,780	4,310		

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: 02/02/2017
Report Date: 03/02/2017 Previously Reported: 02/17/2017 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: South Bound Lanes From Stations 32+40 to 29+76, and 26+20 to 21+40 Order Number:


Client: Fort Bend County Engineering Department

REPORT: REPORT OF CONCRETE COMPRESSIVE STRENGTH TEST LAB NO: 124483-1
Test Method: See Below

TEST RESULTS

Report No: 1-2703-000092
Page 10 of 10

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	3/2/17	28.00	6.00	28.274	5. Type 5	117,370	4,150	4,230	
									
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.= 66°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 Gatson Rd. from WestPark - Project No.: 124484
Summer at Kidge Lane. Report No.: 16M13347
 Client: Fort Bend County Date: 2/3/17
 Contractor: All Good Con. Testing Lab: QC Laboratories, Inc
 COH WBS No.: _____ HC Job No.: _____

TIME RECORD

Time depart office: 1:45pm Time arrive project: 2:45pm Time depart project: 3:15pm Time arrive office: 4:15pm
 Lunch begin: _____ Lunch End: _____
 Billable RT hours: 2.5 Billable OT hours: — Technician Name: Thomas L. Martinez

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 to project Test 8 in cylinders, 5 sets
of 6.

Technician Signature: Thomas L. Martinez Certification Level & Organization: Non-Certified

Inspector Signature: _____ Inspector Name (print): _____

Client No: 091316 Proj No: 16M13347 Date Sampled: 02/03/2017
Report Date: 02/07/2017 Sampled By: Martinez, Thomas
Project: Katy Gaston Road from Westpark Dr. to Summerset Ridge Lane, Fort Bend County By Order Of: Domingo w/Allgood Const
Location: South Bound Lanes From Stations 32+16 to 29+76, and 26+20 to 21+40 Order Number:

Client: Fort Bend County Engineering Department

REPORT: Report of Concrete Sample Pickup

LAB NO: 124484

TEST RESULTS

Report No: 1-2703-000093

Page 1 of 1

On 02/03/2017, a representative of QC Laboratories, Inc. was at the above referenced project to pick up 5 sets of 6 cylinders which were cast on 02/02/2017. 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

PROJECT DAILY ACTIVITY SUMMARY

Project: KATY GASTON ROAD FROM WESTPARK DR TO SUMMERSET RIDGE LANE

Project No.: 16M13347

Client: FORT BEND COUNTY ENG'G. DEPARTMENT

Report No.: 124565

Contractor: _____

Date: 2-6-17

Testing Lab: QC Laboratories, Inc

COH WBS No.: _____

HC Job No.: _____

TIME RECORD

Time depart office: 6:30 AM Time arrive project: 7:30 AM Time depart project: 9:30 AM Time arrive office: 10:30 AM

Lunch begin: - Lunch End: -

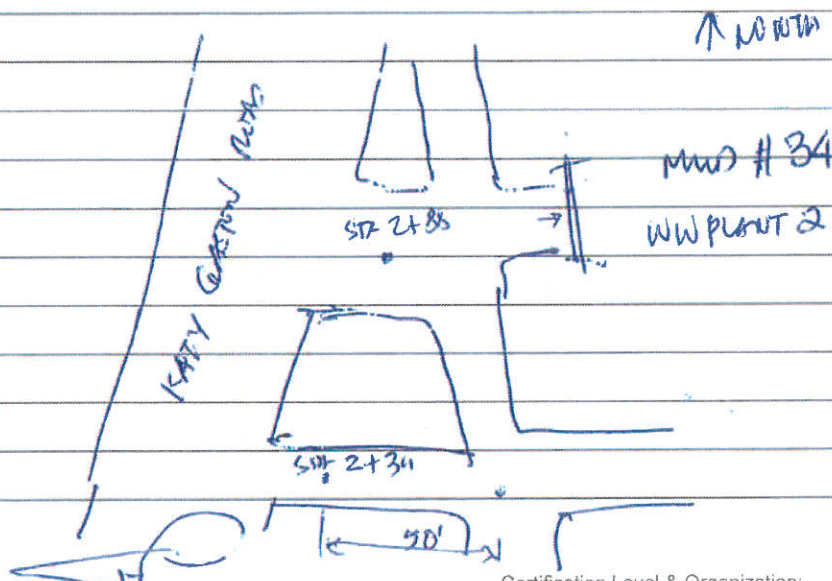
Billable RT hours: 4.0 Billable OT hours: _____ Technician Name: MARIO TAGAVILLA

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

- 1) PERFORM IN PLACE DENSITY TESTING BY NUCLEAR METHOD SHOWN BELOW.
- 2) PICK UP PROCTOR SAMPLE TO BE TESTED



Technician Signature: _____

Certification Level & Organization: NICET III

Inspector Signature: Alexandro M. H.

Inspector Name (print): Alexandro M. H.

Client No: 091316 Proj No: 16M13347 Date Sampled: 02/06/2017
Report Date: 02/07/2017 Sampled By: Tagavilla, Mario
Project: Katy Gaston Road from Westpark Dr. to Summerset Ridge Lane, Fort Bend County By Order Of: Domingo w/Allgood Const
Location: Katy Gaston Stations 2+39 to 2+88 Order Number:

Client: Fort Bend County Engineering Department

REPORT: Report of Field Density Testing

LAB NO: 124565

Test Method: See Below

TEST RESULTS

Report No: 1-2703-000094

Page 1 of 2

Proctor No	Proctor Date	Optimum Moisture (%)	Maximum Dry Density (pcf)	Color / Description
124565-1	02/06/2017	13.9	110.2	Brown Gray / Sandy Lean Clay

Specification

Specification No.	Compaction, %	Moisture Band	
		Minimum	Maximum
1	95	-3.0	3.0

Material: Katy Gaston

Test No.	Gauge Depth	Location	Wet Density (pcf)	Moisture Content %	Dry Density (pcf)	Proctor Number	Spec. No.	Percent Proctor Density	Pass Fail
1	6	Station 2+88 Cross Road from Katy Gaston Road to MUD #34 Wastewater Treatment Plant 2 (Subgrade,)	122.8	10.3	111.3	124565-1	1	101.0	Fail

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: 02/06/2017
Report Date: 02/07/2017 Sampled By: Tagavilla, Mario
Project: Katy Gaston Road from Westpark Dr. to Summerset Ridge Lane, Fort Bend County By Order Of: Domingo w/Allgood Const
Location: Katy Gaston Stations 2+39 to 2+88 Order Number:

Client: Fort Bend County Engineering Department

REPORT: Report of Field Density Testing

LAB NO: 124565

Test Method: See Below

TEST RESULTS

Report No: 1-2703-000094

Page 2 of 2

Material: Katy Gaston


Test No.	Gauge Depth	Location	Wet Density (pcf)	Moisture Content %	Dry Density (pcf)	Proctor Number	Spec. No.	Percent Proctor Density	Pass Fail
2	6	Station 2+39-63 Cross Road from Katy Gaston Road to Apartment Amp. Driveway (Subgrade)	129.2	13.4	113.9	124565-1	1	103.4	Pass
3	6	50' East of Station 2+39-63, Cross Road from Katy Gaston Road to Apartment Driveway (Subgrade)	129.9	8.5	119.7	124565-1	1	108.6	Fail

Gauge No.: 35799 Daily Standard Counts: 02/06/2017 DS: 2101 MS: 762
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: 02/06/2017
Report Date: 02/07/2017 Sampled By: Mario Tagavilla
Project: Katy Gaston Road from Westpark Dr. to Summerset Ridge Lane, Fort Bend County By Order Of: Domingo w/Allgood Const
Location: Existing Subgrade, Station 2+39 Order Number:

Client: Fort Bend County Engineering Department

REPORT: Moisture Density Relationship

LAB NO: 124565-1

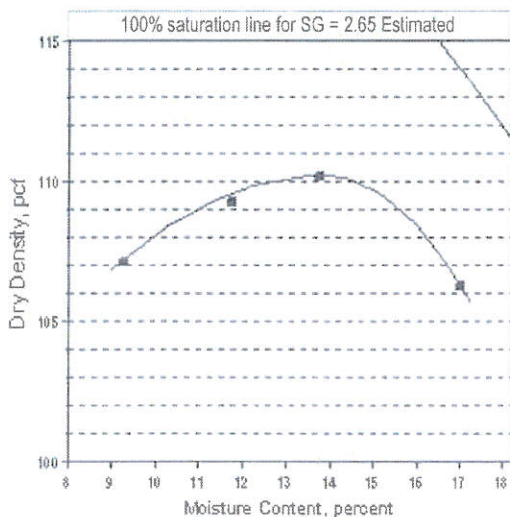
Material: Select Fill

Test Method: See Below

TEST RESULTS

Report No: 1-2703-000095

Page 1 of 1



% Moisture

Dry Density Lbs./Cu.Ft.

9.2

107.1

11.7

109.3

13.7

110.2

17.0

106.3

13.9

Optimum

110.2

Maximum

Sieve
No. 200

% Passing
62

Color: Brown Gray
Description: Sandy Lean Clay

Liquid Limit: 32
Plastic Limit: 14
Plasticity Index: 18
Group Symbol: CL
AASHTO: A-6(8)

Desc of Rammer: Mechanical

Preparation Method: Moist

Remarks:

Test Method (As Applicable): ASTM D-698 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



LABORATORIES, INC.
Geotechnical & Materials Engineers

FIC #96
(6) Cyl #97

PROJECT DAILY ACTIVITY SUMMARY

Project: Katy Gaston Rd. from Westpark Dr. to Somerset Ridge Ln., Ft. Bend Co. Project No.: 16M13347
Client: Ft. Bend Co. Engineering Dept. Report No.: 124,678
Contractor: Allgood Const. Date: 02-10-2017
COH WBS No.: _____ Testing Lab: QC Laboratories, Inc
HC Job No.: _____

TIME RECORD

Time depart office: 6:30 am Time arrive project: 7:30 am Time depart project: 3:30 pm Time arrive office: 4:30 pm
Lunch begin: 11:00 am Lunch End: 11:30 am
Billable RT hours: 8.0 Billable OT hours: 1.5 Technician Name: Roger Baxter

ACTIVITIES

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

SUMMARY OF FIELD ACTIVITIES

We sampled concrete for curbs & paving. See report for details.

The scheduled 12:00 noon pour did not begin until 1:00 pm.

Technician Signature: Roger Baxter

Certification Level & Organization: Grade I ACI

Inspector Signature: Mark Allen

Inspector Name (print): 2-10-17

Client No: 091316 Proj No: 16M13347 Date Sampled: 02/10/2017
Report Date: 02/15/2017 Sampled By: Baxter, Roger
Project: Katy Gaston Road from Westpark Dr. to Summerset Ridge Lane, Fort Bend County By Order Of: Domingo w/Allgood Const
Location: Driveways and Curbs Order Number:

Client: Fort Bend County Engineering Department

REPORT: Report of Field Inspection of Concrete

LAB NO: 124678

TEST RESULTS

Report No: 1-2703-000096

Page 1 of 1

On 02/10/2017, 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 driveways between stations 1+69 to 3+16, and stations 2+68 to 3+68, and curbs between Summerset Ridge and Enchanted Crossing.

A total of 10 cubic yards of concrete for Curbs was placed while the technician was on-site. The concrete delivered was a 5.5 sacks mix, design no. 2213556. In addition, 180 cubic yards of concrete for Driveways were also placed while the technician was on-site. The concrete delivered was a 3500 psi, 5.5 sacks, 1" aggregate mix, design no. 22135503. The concrete was supplied by Allied. 1 set of 2 cylinders and 2 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

Client No: 091316 Proj No: 16M13347 Date Sampled: 02/10/2017
Report Date: 02/20/2017 Sampled By: Baxter, Roger
Project: Katy Gaston Road from Westpark Dr. to Somerset Ridge Lane, Fort Bend County By Order Of: Domingo w/Allgood Const
Location: Driveways and Curbs Order Number:

Client: Fort Bend County Engineering Department

REPORT: REPORT OF CONCRETE COMPRESSIVE STRENGTH TEST LAB NO: 124678-1
Test Method: See Below

TEST RESULTS

Report No: 1-2703-000097
Page 1 of 6

Set: 1 of 3

Sample Location: Curbs along Katy Gaston Rd between Enchanted Crossing & Somerset Ridge

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

Date Sampled: 2/10/17 Source/Sampled At: Allied / Onsite

of Specimens: 6 Plant: Allied

Time Batched: 7:04 am Description: 5.5 Sk

Time Sampled: 8:30 am Mix Design: 22136561

Water Added: 0 Gal Truck No: 522

Weather: Cloudy/Cool Ticket No: 7081032

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

Placement Location: Curbs along Katy Gaston Rd between Enchanted Crossing & Somerset Ridge

Measurements Requirements

Air Temp. (°F): 65 Min 40

Concrete Temp. (°F): 72 95

Slump (in.): 2.00 2-4

Air Content by Vol. (%): 2.0 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	2/17/17	7.00	6.00	28.284	5. Type 5	120,000	4,240		
B	2/17/17	7.00	6.00	28.274	5. Type 5	117,060	4,140	4,190	
C	3/10/17	28.00	6.00	28.274					
D	3/10/17	28.00	6.00	28.274					
E	4/7/17	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: 02/10/2017
Report Date: 02/20/2017 Sampled By: Baxter, Roger
Project: Katy Gaston Road from Westpark Dr. to Summerset Ridge Lane, Fort Bend County By Order Of: Domingo w/Allgood Const
Location: Driveways and Curbs Order Number:


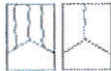




Client: Fort Bend County Engineering Department

REPORT: REPORT OF CONCRETE COMPRESSIVE STRENGTH TEST LAB NO: 124678-1
Test Method: See Below

TEST RESULTS

Report No: 1-2703-000097
Page 2 of 6

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	4/7/17	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. = 77°F and Min. = 68°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: 02/10/2017
Report Date: 02/20/2017 Sampled By: Baxter, Roger
Project: Katy Gaston Road from Westpark Dr. to Summerset Ridge Lane, Fort Bend County By Order Of: Domingo w/Allgood Const
Location: Driveways and Curbs Order Number:

Client: Fort Bend County Engineering Department

REPORT: REPORT OF CONCRETE COMPRESSIVE STRENGTH TEST LAB NO: 124678-1
Test Method: See Below

TEST RESULTS

Report No: 1-2703-000097
Page 3 of 6

Set: 2 of 3

Sample Location: Driveway Stations 2+68 to 3+68

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

Date Sampled: 2/10/17 Source/Sampled At: Allied / Onsite

of Specimens: 6 Plant: Allied Air Temp. (°F): 80 Min. 40

Time Batched: 11:33 am Description: 5.5sk,3500psi,1.5" Concrete Temp. (°F): 75 Max. 95

Time Sampled: 12:50 am Mix Design: 22135503 Slump (in.): 4.50 1-6

Water Added: 20 Gal Truck No: 400 Air Content by Vol. (%): 1.0 2.5-4.5

Weather: Cloudy/Cool Ticket No: 4507602 Unit Weight (pcf):

Quantity Represented: 10 cu. yds. at 30 cu. yds. placed of a 180 cu. yd. total placement

Placement Location: Driveway to Water Treatment Plant

TEST RESULTS

CYL ID	Test Date	Test Age (days)	Diameter (in)	Area (in²)	Type of Break	Maximum Load (lbs)	Compressive Strength (PSI)	Average Strength (PSI)	Comments
A	2/17/17	7.00	6.00	28.274	3. Type 3	106,130	3,750		
B	2/17/17	7.00	6.00	28.274	5. Type 5	99,770	3,530	3,640	
C	3/10/17	28.00	6.00	28.274					
D	3/10/17	28.00	6.00	28.274					
E	4/7/17	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: 02/10/2017
Report Date: 02/20/2017 Sampled By: Baxter, Roger
Project: Katy Gaston Road from Westpark Dr. to Summerset Ridge Lane, Fort Bend County By Order Of: Domingo w/Allgood Const
Location: Driveways and Curbs Order Number:


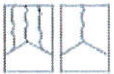
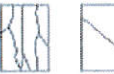



Client: Fort Bend County Engineering Department

REPORT: REPORT OF CONCRETE COMPRESSIVE STRENGTH TEST LAB NO: 124678-1
Test Method: See Below

TEST RESULTS

Report No: 1-2703-000097
Page 4 of 6

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	4/7/17	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.= 77°F and Min.= 68°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: 02/10/2017
Report Date: 02/20/2017 Sampled By: Baxter, Roger
Project: Katy Gaston Road from Westpark Dr. to Summerset Ridge Lane, Fort Bend County By Order Of: Domingo w/Allgood Const
Location: Driveways and Curbs Order Number:

Client: Fort Bend County Engineering Department

REPORT: REPORT OF CONCRETE COMPRESSIVE STRENGTH TEST LAB NO: 124678-1
Test Method: See Below

TEST RESULTS

Report No: 1-2703-000097
Page 5 of 6

Set: 3 of 3

Sample Location: Driveway Stations 1+69 to 3+16

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

Date Sampled: 2/10/17 Source/Sampled At: Allied / Onsite

of Specimens: 2 Plant: Allied

Time Batched: 11:48 am Description: 5.5sk,3500psi,1.5"

Time Sampled: 1:45 am Mix Design: 22135503

Water Added: 0 Gal Truck No: 518

Weather: Cloudy/ Warm Ticket No: 7081065







Quantity Represented: 10 cu. yds. at 70 cu. yds. placed of a 180 cu. yd. total placement

Placement Location: Driveway to Subdivision Palms at Cinco Ranch

Measurements Requirements

Air Temp. (°F): 80 Min. 40
Concrete Temp. (°F): 80 Max. 95
Slump (in.): 4.50 1-6
Air Content by Vol. (%): 1.0 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	2/13/17	3.00	6.00	28.274	5. Type 5	82,160	2,910		
B	2/13/17	3.00	6.00	28.274	5. Type 5	91,350	3,230	3,070	
     									
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: 02/10/2017
Report Date: 02/20/2017 Sampled By: Baxter, Roger
Project: Katy Gaston Road from Westpark Dr. to Summerset Ridge Lane, By Order Of: Domingo w/Allgood Const
Fort Bend County
Location: Driveways and Curbs Order Number:

Client: Fort Bend County Engineering Department

REPORT: REPORT OF CONCRETE COMPRESSIVE STRENGTH TEST LAB NO: 124678-1
Test Method: See Below

TEST RESULTS

Report No: 1-2703-000097
Page 6 of 6

Remarks: 3-day Breaks Requested by Fort Bend County Inspector.
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.= 68°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: Katy Gatson RoadProject No.: 16M13347Client: Fort Bend CountyReport No.: 124679

Contractor: _____

Date: 2-11-17Testing Lab: QC Laboratories, Inc

COH WBS No.: _____

HC Job No.: _____

TIME RECORD

Time depart office: 7:00am Time arrive project: 8:00am Time depart project: 8:30am Time arrive office: 9:30Lunch begin: — Lunch End: —Billable RT hours: — Billable OT hours: 2.5 Technician Name: Edwin Medrano

ACTIVITIES

Proctor Sample P/U

X Concrete Sample P/U

Asphalt Sample P/U

Field Density Testing

Concrete Sampling

Asphalt Testing

Other (Description) _____

SUMMARY OF FIELD ACTIVITIES

pick up 2 set of 6 cylinders / ~~couldn't find~~ ^{other} sets of cylinders
and 1 set of 2 cylinders

Technician Signature: Edwin Medrano

Certification Level & Organization: _____

Inspector Signature: _____

Inspector Name (print): _____

Client No: 091316 Proj No: 16M13347 Date Sampled: 02/11/2017
Report Date: 02/20/2017 Sampled By: Medrano, Edwin
Project: Katy Gaston Road from Westpark Dr. to Summerset Ridge Lane, Fort Bend County By Order Of: Domingo w/Allgood Const
Location: Driveways and Curb Order Number:

Client: Fort Bend County Engineering Department

REPORT: Report of Concrete Sample Pickup

LAB NO: 124679

TEST RESULTS

Report No: 1-2703-000098

Page 1 of 1

On 02/11/2017, a representative of QC Laboratories, Inc. was at the above referenced project to pick up 2 sets of 6 cylinders and 1 set of 2 cylinders which were cast on 02/10/2017. 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

Proof #99



LABORATORIES, INC.
Geotechnical & Materials Engineers

PROJECT DAILY ACTIVITY SUMMARY

Project: Katy-Gaston Rd.

Project No.: 16m13347

Client: Harris County

Report No.: 125.047

Contractor: Allgood

Date: 2/24/17

Testing Lab: QC Laboratories, Inc

COH WBS No.: _____

HC Job No.: _____

TIME RECORD

Time depart office: 6am Time arrive project: 7am Time depart project: 830m Time arrive office: 930m

Lunch begin: — Lunch End: —

Billable RT hours: 3.5 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) <u>Proof Roll</u>		

SUMMARY OF FIELD ACTIVITIES

Service techn. arrived on location to observe proof-roll on N.B. Lanes of Katy-Gaston Rd., from Sta. #18+40 → Sta. #30+00

Technician Signature: CAC

Certification Level & Organization: Int. II Dist #113024

Inspector Signature: _____

Inspector Name (print): _____

Client No: 091316 Proj No: 16M13347 Date Sampled: 02/24/2017
Report Date: 03/03/2017 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: Katy Gaston Road North Bound Lanes Stations 18+40 to 30+00 Order Number:

Client: Fort Bend County Engineering Department

REPORT: Proof Roll Inspection

LAB NO: 125047

TEST RESULTS

Report No: 1-2703-000099
Page 1 of 1

A representative of QC Laboratories, Inc., was present at the above referenced project to perform a proof roll 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 Katy-Gaston Road, North Bound Lanes, Stations 18+40 to 30+00.

Proof rolling was performed by the contractor utilizing a loaded 15-ton loaded dump truck.

The proofrolling 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.
Geotechnical & Materials Engineers

STAB #100
FDT #101

PROJECT DAILY ACTIVITY SUMMARY

Project: Katy-Gaston Rd.,

Project No.: 16m13347

Client: Fort Bend Co.

Report No.: 125.095

Contractor: Allgood

Date: 2/25/17

COH WBS No.: _____

Testing Lab: QC Laboratories, Inc

HC Job No.: _____

TIME RECORD

Time depart office: 6am Time arrive project: 7am Time depart project: 5³⁰pm Time arrive office: 4³⁰pm

Lunch begin: 12:05

Lunch End: _____

Billable RT hours: -

Billable OT hours: 10.0

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)

Lime stabilization inspection

SUMMARY OF FIELD ACTIVITIES

Service techn. arrived on location to observe and test specific gravity of Lime stabilization of N.B. lanes of proposed new Katy-Gaston Rd., from sta. #29+95 → sta. #18+95

Techn. also performed density test on the backfill of C.S.S. after the removal of 30" ppe str. swr., running parallel within paving lane limits of proposed N.B. Katy-Gaston Rd., approx. 'West of outside ln. curb; Approx. 3 1/2' of fill was required. Test taken are in accordance w/ H.C. specs.

Technician Signature: _____

CA

Certification Level & Organization: _____

Vol. II Direct #113024

Inspector Signature: _____

Agustin

Inspector Name (print): _____

Agustin Dur.

Client No: 091316 Proj No: 16M13347 Date Sampled: 02/25/2017
Report Date: 03/03/2017 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: Katy Gaston Road, North Bound Lanes, Stations 18+95 to 29+95 Order Number:

Client: Fort Bend County Engineering Department

REPORT: Report of Soil Stabilization Application LAB NO: 125095

TEST RESULTS

Report No: 1-2703-000100
Page 1 of 2

Location: Katy Gaston Road, North Bound Lanes (2), Stations 18+95 to 29+95

Supplier: Lhoist North America

Description: Lime Slurry

Material Type: ☒ Slurry ☐ Dry Powder ☐ Blended Powder

Truck Number	Ticket Number	Sample Location	% Solids	% Solids on Ticket
10900009	115500418	Station 19+10, Inside Lane	1.6	42.7
10900009	115502851	Station 21+00, Outside Lane	1.6	40.5
10900009	115502856	Station 23+50, Inside Lane	1.6	40.4
10900009	115504928	Station 24+75, Outside Lane	1.6	40.4

Stabilizing material required: 6 % From Project Specifications
lbs/yd² Geotechnical Report

☒ QC Laboratories Recommendation

Area Stabilized: 29700 Sq. Ft.

Depth of Mixing: 8 in.

Average Dry Density of soil: 112 lbs/ft³

Tons of stabilizing material required: 66.53

Tons of stabilizing material provided: 69.95

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: 02/25/2017
Report Date: 03/03/2017 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: Katy Gaston Road, North Bound Lanes, Stations 18+95 to 29+95 Order Number:

Client: Fort Bend County Engineering Department

REPORT: Report of Soil Stabilization Application LAB NO: 125095

TEST RESULTS

Report No: 1-2703-000100
Page 2 of 2

Location: Katy Gaston Road, North Bound Lanes (2), Stations 18+95 to 29+95

Supplier: Lhoist North America

Description: Lime Slurry

Material Type: ☒ Slurry ☐ Dry Powder ☐ Blended Powder

Truck Number	Ticket Number	Sample Location	% Solids	% Solids on Ticket
10900009	115500636	Station 25+50, Inside Lane	1.6	42.7
10006439	115496723	Station 27+75, Outside Lane	1.6	42.3
10150421	115501937	Station 29+75, Inside Lane	1.6	42.6

Stabilizing material required: 6 % From Project Specifications
lbs/yd² Geotechnical Report

Area Stabilized: 29700 Sq. Ft. ☒ QC Laboratories Recommendation
Depth of Mixing: 8 in. Average Dry Density of soil: 112 lbs/ft³

Tons of stabilizing material required: 66.53 Tons of stabilizing material provided: 69.95

The amount of stabilizing material added did meet the required amount.

Orig: Fort Bend County Engineering Department
(Richmond, TX) Attn: Wesley Crawford
(1-cc copy)
1-cc AECOM Attn: Clifford Halvorsen
1-cc AECOM Attn: Amanda Loethen
1-cc AECOM Attn: Huy Ton
1-cc 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: 02/25/2017
Report Date: 03/03/2017 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: Katy-Gaston Road, North Bound Lanes, Stations 23+10 to 22+00, 30" Pipe Replaced with Cement Stabilized Sand (CSS) Order Number:

Client: Fort Bend County Engineering Department

REPORT: Report of Field Density Testing

LAB NO: 125095-1

Test Method: See Below

TEST RESULTS

Report No: 1-2703-000101

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: 30" Pipe Removed and Replaced with CSS

Test No.	Gauge Depth	Location	Wet Density (pcf)	Moisture Content %	Dry Density (pcf)	Proctor Number	Spec. No.	Percent Proctor Density	Pass Fail
1	6	Station 23+00 (3.5' Below Grade)	121.6	14.1	106.6	124128-1	1	96.3	Pass
2	6	Station 22+80 (2.5' Below Grade)	122.3	14.8	106.5	124128-1	1	96.2	Pass
3	6	Station 22+10 (1.5' Below Grade)	123.9	13.7	109.0	124128-1	1	98.5	Pass
4	6	Station 22+40 (0.5' Below Grade)	124.0	13.9	108.9	124128-1	1	98.4	Pass
5	6	Station 22+20 (Grade)	126.5	14.6	110.4	120958-1	2	98.6	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: 02/25/2017
Report Date: 03/03/2017 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: Katy-Gaston Road, North Bound Lanes, Stations 23+10 to 22+00, 30" Pipe Replaced with Cement Stabilized Sand (CSS) Order Number:

Client: Fort Bend County Engineering Department

REPORT: Report of Field Density Testing

LAB NO: 125095-1

Test Method: See Below

TEST RESULTS

Report No: 1-2703-000101

Page 2 of 2

Gauge No.: 61089 Daily Standard Counts: 02/25/2017 DS: 2433 MS: 790
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

PROJECT DAILY ACTIVITY SUMMARY

Project: Katy - Gaslon Rd

Project No.: 110m13347

Client: Hertford Co.

Report No.: 125.096

Contractor: Allgood

Date: 2/27/17

COH WBS No.: _____

Testing Lab: QC Laboratories, Inc

HC Job No.: _____

TIME RECORD

Time depart office: 6³⁰ am Time arrive project: 7³⁰ am Time depart project: 4³⁰ pm Time arrive office: 5³⁰ pm

Lunch begin: 9:30am Lunch End: 11:00am

Billable RT hours: 8.0 Billable OT hours: 1.5 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)

Gradation observation/inspection

SUMMARY OF FIELD ACTIVITIES

Service techn. arrived on location to perform gradation inspection & observation on lime stblzd. subgrade for N.B. Lanes(2) of new Katy Gaslon Rd., from sta. #29+95 → sta. #18+95. Techn. sampled three per lane and found test results to be in accordance with Harris County Specs.

Technician Signature: _____

Certification Level & Organization: W. II Dist #113024

Inspector Signature: _____

Inspector Name (print): Agustin Shum.

Client No: 091316 Proj No: 16M13347 Date Sampled: 02/27/2017
Report Date: 03/06/2017 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: Katy Gaston Road North Bound Lanes, Stations 18+95 to 29+95 Order Number:

Client: Fort Bend County Engineering Department

REPORT: Report of Stabilized Soil Gradation LAB NO: 125096

TEST RESULTS

Report No: 1-2703-000102
Page 1 of 1

Location: Katy Gaston Road North Bound Lanes, Stations 18+95 to 29+95

Location	% Passing 1 3/4"	Specifications (%)	% Passing 3/4"	Specifications (%)	% Passing #4	Specifications (%)
Station 19+10, Inside Lane	100	100	97	85	73	60
Station 22+75, Inside Lane	100	100	93	85	69	60
Station 27+50, Inside Lane	100	100	95	85	71	60
Station 29+80, Outside Lane	100	100	96	85	73	60
Station 25+50, Outside Lane	100	100	91	85	70	60
Station 21+00, Outside Lane	100	100	94	85	71	60

The above test results meet project specification 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: 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.



LABORATORIES, INC.
Geotechnical & Materials Engineers

PROJECT DAILY ACTIVITY SUMMARY

Project: Katy-Gaston Rd Project No.: 16m13347
 Client: Fort Bend County Report No.: 125146
 Contractor: ALLgood Date: 2/28/17
 COH WBS No.: _____ Testing Lab: QC Laboratories, Inc
 HC Job No.: _____

TIME RECORD

Time depart office: 1pm Time arrive project: 2pm Time depart project: 5pm Time arrive office: 7pm
 Lunch begin: — Lunch End: —
 Billable RT hours: 6.0 Billable OT hours: — Technician Name: Chris Dickler

ACTIVITIES

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

SUMMARY OF FIELD ACTIVITIES

Service Techn. arrived on location to perform densities @
N.B. Lanes (2) of Katy-Gaston Rd., Sta. #18+95 → Sta. #29+95 @
Enchanted Crossing, East and West bound Lanes, Sta. #3+00 → Sta. #3+00.
Techn. found test results to be in accordance with Harris County
Specs.

Technician Signature: _____

Certification Level & Organization: Lt. E. Dick

Inspector Signature: _____

Inspector Name (print): Agustin Chen

Client No: 091316 Proj No: 16M13347 Date Sampled: 02/28/2017
Report Date: 03/06/2017 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: Katy Gaston Road North Bound Lanes, Stations 18+95 to 29+95 Order Number:

Client: Fort Bend County Engineering Department

REPORT: Report of Field Density Testing

LAB NO: 125146

Test Method: See Below

TEST RESULTS

Report No: 1-2703-000103

Page 1 of 3

Proctor No	Proctor Date	Optimum Moisture (%)	Maximum Dry Density (pcf)	Color / Description
122617-1	11/08/2016	17.7	103.8	Gray / Lime Stabilized Subgrade

Specification

Specification No.	Compaction, %	Moisture Band	
		Minimum	Maximum
1	95	0.0	3.0

Material: Katy Gaston Rd. North Bound Lanes

Test No.	Gauge Depth	Location	Wet Density (pcf)	Moisture Content %	Dry Density (pcf)	Proctor Number	Spec. No.	Percent Proctor Density	Pass Fail
1	6	Station 19+20, Inside Lane (Subgrade)	118.0	19.3	98.9	122617-1	1	95.3	Pass
2	6	Station 20+20, Inside Lane (Subgrade)	122.6	18.6	103.4	122617-1	1	99.6	Pass
3	6	Station 21+20, Inside Lane (Subgrade)	122.9	19.1	103.2	122617-1	1	99.4	Pass
4	6	Station 22+20, Inside Lane (Subgrade)	120.5	18.6	101.6	122617-1	1	97.9	Pass
5	6	Station 23+20, Inside Lane (Subgrade)	122.5	19.4	102.6	122617-1	1	98.8	Pass
6	6	Station 24+20, Inside Lane (Subgrade)	120.3	17.9	102.0	122617-1	1	98.3	Pass
7	6	Station 25+20, Inside Lane (Subgrade)	118.9	18.8	100.1	122617-1	1	96.4	Pass
8	6	Station 26+20, Inside Lane (Subgrade)	120.5	18.8	101.4	122617-1	1	97.7	Pass
9	6	Station 27+20, Inside Lane (Subgrade)	122.4	19.3	102.6	122617-1	1	98.8	Pass
10	6	Station 28+20, Inside Lane (Subgrade)	122.6	19.7	102.4	122617-1	1	98.7	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: 02/28/2017
Report Date: 03/06/2017 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: Katy Gaston Road North Bound Lanes, Stations 18+95 to 29+95 Order Number:

Client: Fort Bend County Engineering Department

REPORT: Report of Field Density Testing

LAB NO: 125146

Test Method: See Below

TEST RESULTS

Report No: 1-2703-000103

Page 2 of 3

Material: Katy Gaston Rd. North Bound Lanes

Test No.	Gauge Depth	Location	Wet Density (pcf)	Moisture Content %	Dry Density (pcf)	Proctor Number	Spec. No.	Percent Proctor Density	Pass Fail
11	6	Station 29+70, Outside Lane (Subgrade)	119.0	18.5	100.4	122617-1	1	96.7	Pass
12	6	Station 28+70, Outside Lane (Subgrade)	117.2	19.0	98.5	122617-1	1	94.9	Fail
13	6	Station 27+70, Outside Lane (Subgrade)	122.7	18.7	103.4	122617-1	1	99.6	Pass
14	6	Station 26+70, Outside Lane (Subgrade)	121.6	19.7	101.6	122617-1	1	97.9	Pass
15	6	Station 25+70, Outside Lane (Subgrade)	119.6	18.3	101.1	122617-1	1	97.4	Pass
16	6	Station 24+70, Outside Lane (Subgrade)	121.0	18.9	101.8	122617-1	1	98.1	Pass
17	6	Station 23+70, Outside Lane (Subgrade)	122.3	18.7	103.0	122617-1	1	99.2	Pass
18	6	Station 22+70, Outside Lane (Subgrade)	120.8	19.1	101.4	122617-1	1	97.7	Pass
19	6	Station 21+70, Outside Lane (Subgrade)	121.3	18.0	102.8	122617-1	1	99.0	Pass
20	6	Station 20+70, Outside Lane (Subgrade)	120.5	18.7	101.5	122617-1	1	97.8	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

Client No: 091316 Proj No: 16M13347 Date Sampled: 02/28/2017
Report Date: 03/06/2017 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: Katy Gaston Road North Bound Lanes, Stations 18+95 to 29+95 Order Number:

Client: Fort Bend County Engineering Department

REPORT: Report of Field Density Testing

LAB NO: 125146

Test Method: See Below

TEST RESULTS

Report No: 1-2703-000103

Page 3 of 3

Gauge No.: 61089 Daily Standard Counts: 02/28/2017 DS: 2423 MS: 787
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: Ton, Huy <Huy.Ton@aecom.com>
Sent: Friday, March 31, 2017 9:43 AM
To: Harris, Britten
Cc: Slawinski, Stacy; Peterson, Jillian
Subject: FW: FW: Katy Gaston - QC Labs Invoice #6
Attachments: 16M13347 Feb' 17 Invoice.pdf

Ms. Harris,

Please see attached file for the corrected budget from the Lab.

Thank you!

Huy Ton, PE
Cell: 617-818-8557

AECOM
19219 Katy Freeway
Suite 100
Houston, TX 77094, USA



From: Brittany Luck [<mailto:bluck@qclabs.com>]
Sent: Thursday, March 30, 2017 3:45 PM
To: Ton, Huy
Cc: Fred Madani; Michael Carter; Hulugundi Dwarakanath; Damon Dolat
Subject: Re: FW: Katy Gaston - QC Labs Invoice #6

Please see corrected budget letter attached.

Brittany Luck
Field Services Coordinator
QC Laboratories, Inc.
10810 Northwest Freeway ▪ Houston, Texas 77092
Office: 713.695.1133 ▪ **Cell:** 713.820.8231 ▪ **Fax:** 713.695.0808
bluck@qclabs.com ▪ www.qclabs.com

On Thu, Mar 30, 2017 at 3:00 PM, Damon Dolat <ddolat@qclabs.com> wrote:
Please correct the attached invoice and file a copy of the PO in the contracts folder.

----- Forwarded message -----

From: **Ton, Huy** <Huy.Ton@aecom.com>

Date: Wed, Mar 29, 2017 at 4:08 PM
Subject: FW: Katy Gaston - QC Labs Invoice #6
To: "qclabs@qclabs.com" <qclabs@qclabs.com>
Cc: Damon Dolat #6mhm <ddolat@qclabs.com>

Brittany

Please see comment below.

Thank you!

Huy Ton, PE

Cell: [617-818-8557](tel:617-818-8557)

AECOM

19219 Katy Freeway

Suite 100

Houston, TX 77094, USA



From: Harris, Britten [mailto:Britten.Harris@fortbendcountytexas.gov]
Sent: Tuesday, March 28, 2017 10:41 AM
To: Ton, Huy
Cc: Peterson, Jillian; Slawinski, Stacy
Subject: FW: Katy Gaston - QC Labs Invoice #6

Good Morning,

The change order amount on the invoice needs to be corrected. According to the attached amendment the amount is \$14,900.00. Please correct so that I may process the invoice. If you have any questions, please let me know.

Thanks!

Britten Harris

Admin Assistant - Engineering

Fort Bend County Engineering

301 Jackson St. Ste 401 | Richmond Tx 77469

Britten.harris@fortbendcountytexas.gov

Phone: 281-633-7539

From: Slawinski, Stacy
Sent: Tuesday, March 21, 2017 3:37 PM
To: Harris, Britten
Cc: Peterson, Jillian
Subject: FW: Katy Gaston - QC Labs Invoice #6

Please process the attached invoice.

Thanks,

Stacy Slawinski

stacy.slawinski@fortbendcountytexas.gov

From: Ton, Huy [<mailto:Huy.Ton@aecom.com>]
Sent: Tuesday, March 21, 2017 3:18 PM
To: Slawinski, Stacy
Cc: Halvorsen, Clifford; qclabs@qclabs.com; Loethen, Amanda; Crawford, Wesley
Subject: Katy Gaston - QC Labs Invoice #6

Stacy,

Attached file is QC Labs invoice #6. It has been reviewed.

Thank you!

Huy Ton, PE

Cell: [617-818-8557](tel:617-818-8557)

AECOM

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