

Terracon

INVOICE

11555 Clay Road; Suite 100
Houston, TX 77043
713-690-8989

*OK
NAH
9/19/2011*

Project Mgr: Jason Mills

Project: Greenbusch Rd Phase II, FBC Project No 732
From Mills Manor to Falcon Landing Blvd
Key Map Page 484M
Katy, TX

To: Fort Bend County Engineering
Attn: Nathan Hatcher
1124 Blume Rd
Rosenberg, TX 77471



REMIT TO:
Invoice Number: T240009
Terracon Consultants, Inc.
PO Box 843358
Kansas City, MO 64184-3358
Federal E.I.N.: 42-1249917

P.O. Number: 33590

Project Number:	92101254
Contract Amount:	\$184,977.81
Billed to Date:	\$173,225.60
Invoice Date:	9/07/2011
Services Through:	9/03/2011

Date	Report	Description of Services	Quantity	Rate	Total
8/8/11	92101254.0449	Technician - Level II, per hour	7.50	\$50.00	\$375.00
8/8/11	92101254.0449	Vehicle Charge, per hour	7.50	\$7.50	\$56.25
8/8/11	92101254.0449	Compressive Strength, per cylinder	4.00	\$15.00	\$60.00
8/9/11	92101254.0449A	Technician, Non-Certified, per hour	1.25	\$37.00	\$46.25
8/9/11	92101254.0449A	Vehicle Charge, per hour	1.25	\$7.50	\$9.38
8/9/11	92101254.0451	Technician - Level II, per hour	8.00	\$50.00	\$400.00
8/9/11	92101254.0451	Vehicle Charge, per hour	8.00	\$7.50	\$60.00
8/9/11	92101254.0451	Compressive Strength, per cylinder	4.00	\$15.00	\$60.00
8/10/11	92101254.0451A	Technician, Non-Certified, per hour	1.25	\$37.00	\$46.25
8/10/11	92101254.0451A	Vehicle Charge, per hour	1.25	\$7.50	\$9.38
8/10/11	92101254.0452	Technician - Level II, per hour	7.50	\$50.00	\$375.00
8/10/11	92101254.0452	Vehicle Charge, per hour	7.50	\$7.50	\$56.25
8/10/11	92101254.0452	Nuclear Density Gauge, per hour	7.50	\$9.00	\$67.50
8/10/11	92101254.0453	Compressive Strength, per cylinder	4.00	\$15.00	\$60.00
8/11/11	92101254.0453A	Technician, Non-Certified, per hour	1.25	\$37.00	\$46.25
8/11/11	92101254.0453A	Vehicle Charge, per hour	1.25	\$7.50	\$9.38
8/11/11	92101254.0454	Technician - Level II, per hour	5.50	\$50.00	\$275.00
8/11/11	92101254.0454	Vehicle Charge, per hour	5.50	\$7.50	\$41.25
8/11/11	92101254.0454	Nuclear Density Gauge, per hour	5.50	\$9.00	\$49.50
8/12/11	92101254.0455	Technician - Level II, per hour	8.00	\$50.00	\$400.00
8/12/11	92101254.0455	Vehicle Charge, per hour	8.00	\$7.50	\$60.00
8/12/11	92101254.0455	Compressive Strength, per cylinder	8.00	\$15.00	\$120.00
8/13/11	92101254.0455A	Technician, Non-Certified (Overtime), per hour	1.50	\$55.50	\$83.25
8/13/11	92101254.0455A	Vehicle Charge, per hour	1.50	\$7.50	\$11.25
8/13/11	Week Ending	Project Manager, per hour	1.00	\$105.00	\$105.00
8/15/11	92101254.0456	Technician - Level II, per hour	4.00	\$50.00	\$200.00
8/15/11	92101254.0456	Vehicle Charge, per hour	3.50	\$7.50	\$26.25
8/15/11	92101254.0456	Compressive Strength, per cylinder	4.00	\$15.00	\$60.00
8/16/11	92101254.0456A	Technician, Non-Certified, per hour	1.25	\$37.00	\$46.25
8/16/11	92101254.0456A	Vehicle Charge, per hour	1.25	\$7.50	\$9.38
8/20/11	Week Ending	Project Manager, per hour	1.50	\$105.00	\$157.50

TERMS: DUE UPON PRESENTATION OF INVOICE



INVOICE

Invoice No.: T240009
Project No.: 92101254
Project: Greenbusch Rd Phase II, FBC
Project No 732
From Mills Manor to Falcon
Landing Blvd
Project Mgr: Jason Mills

Date	Report	Description of Services	Quantity	Rate	Total
8/27/11	Week Ending	Project Manager, per hour	0.50	\$105.00	\$52.50

Continued

Invoice Total \$3,434.02

Statement of Account	
Contract Amount	\$184,977.81
Amount Previously Billed	\$169,791.58
Total Due this Invoice	\$3,434.02
Total Billed	\$173,225.60
Payments to Date	\$169,791.58
Total Due	\$3,434.02

CONCRETE COMPRESSIVE STRENGTH TEST REPORT

Terracon

Report Number: 92101254.0449
Service Date: 08/08/11
Report Date: 08/16/11 Revision 1 - 7-day results
Task:

11555 Clay Road Suite 100
Houston, TX 77043
713-690-8989 Reg No: F-3272

Client

Fort Bend County Engineering
Attn: Nathan Hatcher
1124 Blume Rd
Rosenberg, TX 77471

Project

Greenbusch Rd Phase II, FBC Project No 732
From Mills Manor to Falcon Landing Blvd
Key Map Page 484M
Katy, TX
Project Number: 92101254

Material Information

Specified Strength: 3,000 psi @ 28 days

Mix ID: S412123
Supplier: Campbell
Batch Time: 1145 Plant:
Truck No.: 767 Ticket No.: 54170

Sample Information

Sample Date: 08/08/11 Sample Time: 1215
Sampled By: Gilbert Barron
Weather Conditions: Sunny/Hot
Accumulative Yards: 10 Batch Size (cy): 10
Placement Method: Direct Discharge
Water Added Before (gal): 5
Water Added After (gal): 0
Sample Location: Station 103+00
Placement Location: Paving, Greenbusch Turn Lane
Station 103+00 to 104+00 and
130+00 to 133+00

Field Test Data

Test	Result	Specification
Slump (in):	4	2½ to 6
Air Content (%):	1.25 *	2.5 to 6
Concrete Temp. (F):	87	
Ambient Temp. (F):	89	
Plastic Unit Wt. (pcf):		
Yield (Cu. Yds.):		

* = Field Test Results do not meet project specifications.

Laboratory Test Data

Set No.	Specimen ID	Diameter (in)	Area (sq in)	Date Received	Date Tested	Age at Test (days)	Maximum Load (lbs)	Compressive Strength (psi)	Fracture Type	
1	A	6.00	28.27	08/09/11	08/15/11	7	104,450	3,690	2	
1	B	6.00	28.27	08/09/11	08/15/11	7	109,880	3,890	2	
								Average (7 days)	3,790	
1	C			08/09/11	09/05/11	28				
1	D			08/09/11	09/05/11	28				

Comments: Not tested for plastic unit weight.

6" x 12"

*Also Median was placed form Station 30+00 - 133+00 Greenbush Rd.

Samples Made By: Terracon

Services: Obtain samples of fresh concrete at the placement locations (ASTM C-172), perform required field tests and cast, cure, and test compressive strength samples (ASTM C-31 (with the exception of Section 10.1.2), C-39, C-617).

Terracon Rep.: Gilbert Barron

Reported To: Allgood Construction

Contractor: Allgood Construction

Report Distribution:

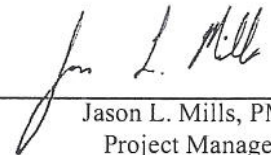
(1) Fort Bend County Engineering, ndh@co.fort-bend.tx.us
(1) Allgood Construction, roy@allgoodconst.com
(1) Schaumburg & Polk, ekneseck@spi-eng.com (1) Schaumburg & Polk, nking@spi-eng.com

Started: 0730

Finished: 1530

Lunch/NC: 0.50

Reviewed By:



Jason L. Mills, PMP
Project Manager

Test Methods: ASTM C138, ASTM C143, ASTM C173, ASTM C1064

The tests were performed in general accordance with applicable ASTM, AASHTO, or DOT test methods. This report is exclusively for the use of the client indicated above and shall not be reproduced except in full without the written consent of our company. Test results transmitted herein are only applicable to the actual samples tested at the location(s) referenced and are not necessarily indicative of the properties of other apparently similar or identical materials.

SAMPLE PICK-UP REPORT

Report Number: 92101254.0449A
Service Date: 08/09/11
Report Date: 08/10/11

Terracon

11555 Clay Road Suite 100
Houston, TX 77043
713-690-8989 Reg No: F-3272

Client

Fort Bend County Engineering
Attn: Nathan Hatcher
1124 Blume Rd
Rosenberg, TX 77471

Project

Greenbusch Rd Phase II, FBC Project No 732
From Mills Manor to Falcon Landing Blvd
Key Map Page 484M
Katy, TX
Project Number: 92101254

On August 9, 2011, a Terracon representative was present at the above referenced project to obtain one (1) set of four (4) concrete cylinders cast on August 8, 2011. The samples were returned to the laboratory for processing and proper curing as specified.

Services: Pick up of material sample as requested and/or required by the project specifications.

Terracon Rep.: Teofilo Reynaga

Reported To:

Contractor: Allgood Construction

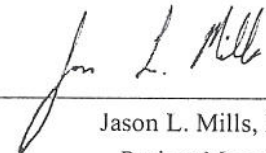
Report Distribution:

(1) Fort Bend County Engineering,
ndh@co.fort-bend.tx.us
(1) Schaumburg & Polk, eknesek@spi-
eng.com

(1) Allgood Construction,
roy@allgoodconst.com
(1) Schaumburg & Polk, nking@spi-
eng.com

Started: 1045
Finished: 1200

Reviewed By:



Jason L. Mills, PMP
Project Manager

The tests were performed in general accordance with applicable ASTM, AASHTO, or DOT test methods. This report is exclusively for the use of the client indicated above and shall not be reproduced except in full without the written consent of our company. Test results transmitted herein are only applicable to the actual samples tested at the location(s) referenced and are not necessarily indicative of the properties of other apparently similar or identical materials.

CONCRETE COMPRESSIVE STRENGTH TEST REPORT

Terracon

Report Number: 92101254.0451
Service Date: 08/09/11
Report Date: 09/07/11 Revision 2 - 28-day results
Task:

11555 Clay Road Suite 100
Houston, TX 77043
713-690-8989 Reg No: F-3272

Client

Fort Bend County Engineering
Attn: Nathan Hatcher
1124 Blume Rd
Rosenberg, TX 77471

Project

Greenbusch Rd Phase II, FBC Project No 732
From Mills Manor to Falcon Landing Blvd
Key Map Page 484M
Katy, TX
Project Number: 92101254

Material Information

Specified Strength: 3,000 psi @ 28 days

Mix ID: S411123
Supplier: Campbell
Batch Time: 1016 Plant: 11
Truck No.: 771 Ticket No.: 1135590

Field Test Data

Test	Result	Specification
Slump (in):	4 1/4	2½ to 6
Air Content (%):	2.0 *	2.5 to 6
Concrete Temp. (F):	86	
Ambient Temp. (F):	87	

Plastic Unit Wt. (pcf):

Yield (Cu. Yds.):

* = Field Test Results do not meet project specifications.

Sample Information

Sample Date: 08/09/11 Sample Time: 1145
Sampled By: Gilbert Barron
Weather Conditions: Hot/Sunny
Accumulative Yards: 10 Batch Size (cy): 10
Placement Method: Direct Discharge
Water Added Before (gal): 0
Water Added After (gal): 0
Sample Location: Station 140+25
Placement Location: Paving, Greenbusch Turn Lane
Station 139+50 to 142+00 (Station
116+00 to 119+00) and (Station
112+00 to 115+50)

Laboratory Test Data

Set No.	Specimen ID	Diameter (in)	Area (sq in)	Date Received	Date Tested	Age at Test (days)	Maximum Load (lbs)	Compressive Strength (psi)	Fracture Type	
1	A	6.00	28.27	08/10/11	08/16/11	7	106,000	3,750	2	
1	B	6.00	28.27	08/10/11	08/16/11	7	103,250	3,650	2	
								Average (7 days)	3,700	
1	C	6.00	28.27	08/10/11	09/06/11	28	136,660	4,830	3	
1	D	6.00	28.27	08/10/11	09/06/11	28	135,330	4,790	3	
								Average (28 days)	4,810	

Comments: Average compressive strength of 28 day cylinders complies with the specified strength. Not tested for plastic unit weight.

6" x 12"

Initial Curing Temperature:

Thermometer ID No.: JUL-20

Max. Temperature 112° F

Min. Temperature 86° F

The tests were performed in general accordance with applicable ASTM, AASHTO, or DOT test methods. This report is exclusively for the use of the client indicated above and shall not be reproduced except in full without the written consent of our company. Test results transmitted herein are only applicable to the actual samples tested at the location(s) referenced and are not necessarily indicative of the properties of other apparently similar or identical materials.

CONCRETE COMPRESSIVE STRENGTH TEST REPORT

Report Number: 92101254.0451
Service Date: 08/09/11
Report Date: 09/07/11 Revision 2 - 28-day results
Task:

Terracon

11555 Clay Road Suite 100
Houston, TX 77043
713-690-8989 Reg No: F-3272

Client

Fort Bend County Engineering
Attn: Nathan Hatcher
1124 Blume Rd
Rosenberg, TX 77471

Project

Greenbusch Rd Phase II, FBC Project No 732
From Mills Manor to Falcon Landing Blvd
Key Map Page 484M
Katy, TX
Project Number: 92101254

Samples Made By: Terracon

Services: Obtain samples of fresh concrete at the placement locations (ASTM C-172), perform required field tests and cast, cure, and test compressive strength samples (ASTM C-31 (with the exception of Section 10.1.2), C-39, C-617).

Terracon Rep.: Gilbert Barron

Started: 0730

Reported To:

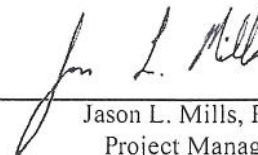
Finished: 1530

Contractor: Allgood Construction

Report Distribution:

(1) Fort Bend County Engineering, ndh@co.fort-bend.tx.us
(1) Allgood Construction, roy@allgoodconst.com
(1) Schaumburg & Polk, eknesek@spi-eng.com (1) Schaumburg & Polk, nking@spi-eng.com

Reviewed By:



Jason L. Mills, PMP
Project Manager

Test Methods: ASTM C138, ASTM C143, ASTM C173, ASTM C1064

The tests were performed in general accordance with applicable ASTM, AASHTO, or DOT test methods. This report is exclusively for the use of the client indicated above and shall not be reproduced except in full without the written consent of our company. Test results transmitted herein are only applicable to the actual samples tested at the location(s) referenced and are not necessarily indicative of the properties of other apparently similar or identical materials.

SAMPLE PICK-UP REPORT

Report Number: 92101254.0451A
Service Date: 08/10/11
Report Date: 08/11/11

Terracon

11555 Clay Road Suite 100
Houston, TX 77043
713-690-8989 Reg No: F-3272

Client

Fort Bend County Engineering
Attn: Nathan Hatcher
1124 Blume Rd
Rosenberg, TX 77471

Project

Greenbusch Rd Phase II, FBC Project No 732
From Mills Manor to Falcon Landing Blvd
Key Map Page 484M
Katy, TX
Project Number: 92101254

On August 10, 2011, a Terracon representative was present at the above referenced project to obtain one (1) set of four (4) concrete cylinders cast on August 9, 2011. The samples were returned to the laboratory for processing and proper curing as specified.

Services: Pick up of material sample as requested and/or required by the project specifications.

Terracon Rep.: Teofilo Reynaga

Reported To:

Contractor: Allgood Construction

Report Distribution:

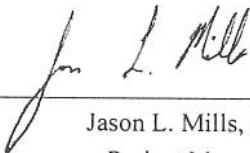
(1) Fort Bend County Engineering,
ndh@co.fort-bend.tx.us
(1) Schaumburg & Polk, eknesek@spi-
eng.com

(1) Allgood Construction,
roy@allgoodconst.com
(1) Schaumburg & Polk, nking@spi-
eng.com

Started: 1145

Finished: 1300

Reviewed By:



Jason L. Mills, PMP

Project Manager

The tests were performed in general accordance with applicable ASTM, AASHTO, or DOT test methods. This report is exclusively for the use of the client indicated above and shall not be reproduced except in full without the written consent of our company. Test results transmitted herein are only applicable to the actual samples tested at the location(s) referenced and are not necessarily indicative of the properties of other apparently similar or identical materials.

FIELD DENSITY TEST REPORT

Report Number: 92101254.0452
Service Date: 08/10/11
Report Date: 08/16/11
Task:

Terracon

11555 Clay Road Suite 100
Houston, TX 77043
713-690-8989 Reg No: F-3272

Client

Fort Bend County Engineering
Attn: Nathan Hatcher
1124 Blume Rd
Rosenberg, TX 77471

Project

Greenbusch Rd Phase II, FBC Project No 732
From Mills Manor to Falcon Landing Blvd
Key Map Page 484M
Katy, TX
Project Number: 92101254

Material Information

Mat. No.	Proctor Ref. No.	Classification and Description	Laboratory Test Method	Lab Test Data		Project Requirements	
				Optimum Water Content (%)	Max. Lab Dry Unit Weight (pcf)	Water Content (%)	Minimum Compaction (%)
1	92101254.0438	100psi Cement Stabilized Sand, Gulf Coast Plant #15	ASTM D698	13.6	111.9		Min 95

Field Test Data

Test No.	Test Location	Lift / Elev.	Mat. No.	Probe Depth (in)	Wet Density (pcf)	Water Content (pcf)	Water Content (%)	Dry Unit Weight (pcf)	Percent Compaction (%)
Greenbusch, Paving Subgrade @ Station 71+00-72+00 WB Lane									
1	Station 71+00	Final	1	8	125.1	15.8	14.5	109.3	98
2	Station 71+75	Final	1	8	123.4	14.9	13.7	108.5	97
3	Station 72+00	Final	1	8	125.6	15.5	14.1	110.1	98
4	Station 71+25	Final	1	8	124.3	15.2	13.9	109.1	97

Datum: Subgrade Gauge ID: 39091 Std. Cnt. M: 720 Std. Cnt. D: 2559

Comments: Test and/or retest results on this report meet project requirements as noted above.

Services: Perform in-place density and moisture content tests to determine degree of compaction and material moisture condition.

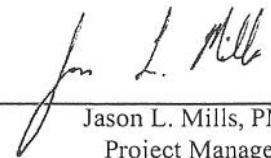
Terracon Rep.: Gilbert Barron
Reported To: Randy Rodriguez w/Allgood Construction
Contractor: Allgood Construction

Started: 0730
Finished: 1530
Lunch/NC: 0.50

Report Distribution:

(1) Fort Bend County Engineering, ndh@co.fort-bend.tx.us
(1) Allgood Construction, roy@allgoodconst.com
(1) Schaumburg & Polk, eknesek@spi-eng.com (1) Schaumburg & Polk, nking@spi-eng.com

Reviewed By:


Jason L. Mills, PMP
Project Manager

Test Methods: ASTM D6938

The tests were performed in general accordance with applicable ASTM, AASHTO, or DOT test methods. This report is exclusively for the use of the client indicated above and shall not be reproduced except in full without the written consent of our company. Test results transmitted herein are only applicable to the actual samples tested at the location(s) referenced and are not necessarily indicative of the properties of other apparently similar or identical materials.

CONCRETE COMPRESSIVE STRENGTH TEST REPORT

Terracon

Report Number: 92101254.0453
Service Date: 08/10/11
Report Date: 09/07/11 Revision 2 - 28-day results
Task:

11555 Clay Road Suite 100
Houston, TX 77043
713-690-8989 Reg No: F-3272

Client

Fort Bend County Engineering
Attn: Nathan Hatcher
1124 Blume Rd
Rosenberg, TX 77471

Project

Greenbusch Rd Phase II, FBC Project No 732
From Mills Manor to Falcon Landing Blvd
Key Map Page 484M
Katy, TX
Project Number: 92101254

Material Information

Specified Strength: 3,000 psi @ 28 days

Mix ID: 8343300
Supplier: Campbell
Batch Time: 1403 Plant: 11
Truck No.: 816 Ticket No.: 1135658

Field Test Data

Test	Result	Specification
Slump (in):	3	2½ to 6
Air Content (%):	2.0 *	2.5 to 6
Concrete Temp. (F):	92	
Ambient Temp. (F):	99	
Plastic Unit Wt. (pcf):		
Yield (Cu. Yds.):		

* = Field Test Results do not meet project specifications.

Sample Information

Sample Date: 08/10/11 Sample Time: 1500
Sampled By: Gilbert Barron
Weather Conditions: Sunny/Hot
Accumulative Yards: 10 Batch Size (cy): 10
Placement Method: Direct Discharge
Water Added Before (gal): 5
Water Added After (gal): 0
Sample Location: Station 53+25
Placement Location: Curb, Greenbusch Station 53+00 to 49+00

Laboratory Test Data

Set No.	Specimen ID	Diameter (in)	Area (sq in)	Date Received	Date Tested	Age at Test (days)	Maximum Load (lbs)	Compressive Strength (psi)	Fracture Type	
1	A	6.00	28.27	08/11/11	08/17/11	7	105,280	3,720	2	
1	B	6.00	28.27	08/11/11	08/17/11	7	106,650	3,770	2	
								Average (7 days)	3,750	
1	C	6.00	28.27	08/11/11	09/07/11	28	142,480	5,040	3	
1	D	6.00	28.27	08/11/11	09/07/11	28	143,260	5,070	2	
								Average (28 days)	5,060	

Comments: Average compressive strength of 28 day cylinders complies with the specified strength. Not tested for plastic unit weight.

6" x 12"

Initial Curing Temperature:

Thermometer ID No.: JUL-17

Max. Temperature 110° F

Min. Temperature 86° F

The tests were performed in general accordance with applicable ASTM, AASHTO, or DOT test methods. This report is exclusively for the use of the client indicated above and shall not be reproduced except in full without the written consent of our company. Test results transmitted herein are only applicable to the actual samples tested at the location(s) referenced and are not necessarily indicative of the properties of other apparently similar or identical materials.

CONCRETE COMPRESSIVE STRENGTH TEST REPORT

Terracon

Report Number: 92101254.0453
Service Date: 08/10/11
Report Date: 09/07/11 Revision 2 - 28-day results
Task:

11555 Clay Road Suite 100
Houston, TX 77043
713-690-8989 Reg No: F-3272

Client

Fort Bend County Engineering
Attn: Nathan Hatcher
1124 Blume Rd
Rosenberg, TX 77471

Project

Greenbusch Rd Phase II, FBC Project No 732
From Mills Manor to Falcon Landing Blvd
Key Map Page 484M
Katy, TX
Project Number: 92101254

Samples Made By: Terracon

Services: Obtain samples of fresh concrete at the placement locations (ASTM C-172), perform required field tests and cast, cure, and test compressive strength samples (ASTM C-31 (with the exception of Section 10.1.2), C-39, C-617).

Terracon Rep.: Gilbert Barron

Reported To:

Contractor: Allgood Construction

Report Distribution:

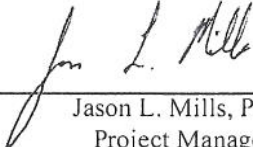
(1) Fort Bend County Engineering, (1) Allgood Construction, roy@allgoodconst.com
ndh@co.fort-bend.tx.us
(1) Schaumburg & Polk, eknesek@spi-eng.com (1) Schaumburg & Polk, nking@spi-eng.com

Started: 0730

Finished: 1530

Lunch/NC: 0.50

Reviewed By:



Jason L. Mills, PMP
Project Manager

Test Methods: ASTM C138, ASTM C143, ASTM C173, ASTM C1064

The tests were performed in general accordance with applicable ASTM, AASHTO, or DOT test methods. This report is exclusively for the use of the client indicated above and shall not be reproduced except in full without the written consent of our company. Test results transmitted herein are only applicable to the actual samples tested at the location(s) referenced and are not necessarily indicative of the properties of other apparently similar or identical materials.

SAMPLE PICK-UP REPORT

Report Number: 92101254.0453A
Service Date: 08/11/11
Report Date: 08/15/11

Terracon

11555 Clay Road Suite 100
Houston, TX 77043
713-690-8989 Reg No: F-3272

Client

Fort Bend County Engineering
Attn: Nathan Hatcher
1124 Blume Rd
Rosenberg, TX 77471

Project

Greenbusch Rd Phase II, FBC Project No 732
From Mills Manor to Falcon Landing Blvd
Key Map Page 484M
Katy, TX
Project Number: 92101254

On August 11, 2011, a Terracon representative was present at the above referenced project to obtain one (1) set of four (4) concrete cylinders cast on August 10, 2011. The samples were returned to the laboratory for processing and proper curing as specified.

Services: Pick up of material sample as requested and/or required by the project specifications.

Terracon Rep.: Teofilo Reynaga

Reported To:

Contractor: Allgood Construction

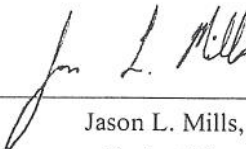
Report Distribution:

(1) Fort Bend County Engineering,
ndh@co.fort-bend.tx.us
(1) Schaumburg & Polk, eknesek@spi-
eng.com

(1) Allgood Construction,
roy@allgoodconst.com
(1) Schaumburg & Polk, nking@spi-
eng.com

Started: 1030
Finished: 1145

Reviewed By:



Jason L. Mills, PMP
Project Manager

The tests were performed in general accordance with applicable ASTM, AASHTO, or DOT test methods. This report is exclusively for the use of the client indicated above and shall not be reproduced except in full without the written consent of our company. Test results transmitted herein are only applicable to the actual samples tested at the location(s) referenced and are not necessarily indicative of the properties of other apparently similar or identical materials.

FIELD DENSITY TEST REPORT

Report Number: 92101254.0454
Service Date: 08/11/11
Report Date: 08/16/11
Task:

Terracon

11555 Clay Road Suite 100
Houston, TX 77043
713-690-8989 Reg No: F-3272

Client

Fort Bend County Engineering
Attn: Nathan Hatcher
1124 Blume Rd
Rosenberg, TX 77471

Project

Greenbusch Rd Phase II, FBC Project No 732
From Mills Manor to Falcon Landing Blvd
Key Map Page 484M
Katy, TX
Project Number: 92101254

Material Information

Mat. No.	Proctor Ref. No.	Classification and Description	Laboratory Test Method	Lab Test Data		Project Requirements	
				Optimum Water Content (%)	Max. Lab Dry Unit Weight (pcf)	Water Content (%)	Minimum Compaction (%)
1	92101254.0438	100psi Cement Stabilized Sand, Gulf Coast Plant #15	ASTM D698	13.6	111.9		Min 95

Field Test Data

Test No.	Test Location	Lift / Elev.	Mat. No.	Probe Depth (in)	Wet Density (pcf)	Water Content (pcf)	Water Content (%)	Dry Unit Weight (pcf)	Percent Compaction (%)
Paving Subgrade, Viewridge, Station 10+00 - 11+00									
1	Station 10+25	Final	1	8	125.4	15.5	14.1	109.9	98
2	Station 10+50	Final	1	8	125.0	15.8	14.5	109.2	98
3	Station 10+75	Final	1	8	124.7	15.9	14.6	108.8	97
4	Station 10+00	Final	1	8	123.4	14.9	13.7	108.5	97

Datum: Subgrade

Gauge ID: 39091

Std. Cnt. M: 724

Std. Cnt. D: 2551

Comments: Test and/or retest results on this report meet project requirements as noted above.

Services: Perform in-place density and moisture content tests to determine degree of compaction and material moisture condition.

Terracon Rep.: Gilbert Barron

Reported To: Randy Rodriguez w/Allgood Construction

Contractor: Allgood Construction

Report Distribution:

(1) Fort Bend County Engineering,
ndh@co.fort-bend.tx.us

(1) Allgood Construction, roy@allgoodconst.com

(1) Schaumburg & Polk, eknesek@spi-eng.com

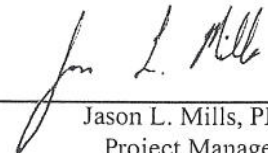
(1) Schaumburg & Polk, nking@spi-eng.com

Started: 0730

Finished: 1530

Lunch/NC: 2.50

Reviewed By:



Jason L. Mills, PMP
Project Manager

Test Methods: ASTM D6938

The tests were performed in general accordance with applicable ASTM, AASHTO, or DOT test methods. This report is exclusively for the use of the client indicated above and shall not be reproduced except in full without the written consent of our company. Test results transmitted herein are only applicable to the actual samples tested at the location(s) referenced and are not necessarily indicative of the properties of other apparently similar or identical materials.

CONCRETE COMPRESSIVE STRENGTH TEST REPORT

Terracon

Report Number: 92101254.0455
Service Date: 08/12/11
Report Date: 09/12/11 Revision 2 - 28-day results
Task:

11555 Clay Road Suite 100
Houston, TX 77043
713-690-8989 Reg No: F-3272

Client

Fort Bend County Engineering
Attn: Nathan Hatcher
1124 Blume Rd
Rosenberg, TX 77471

Project

Greenbusch Rd Phase II, FBC Project No 732
From Mills Manor to Falcon Landing Blvd
Key Map Page 484M
Katy, TX
Project Number: 92101254

Material Information

Specified Strength: 3,000 psi @ 28 days

Mix ID: S411123
Supplier: Campbell
Batch Time: 0900 Plant: 1
Truck No.: 767 Ticket No.: 542024

Field Test Data

Test	Result	Specification
Slump (in):	5 1/2	2 1/2 to 6
Air Content (%):	2.75	2.5 to 6
Concrete Temp. (F):	87	
Ambient Temp. (F):	85	
Plastic Unit Wt. (pcf):		
Yield (Cu. Yds.):		

Sample Information

Sample Date: 08/12/11 Sample Time: 0925
Sampled By: Gilbert Barron
Weather Conditions: Clear
Accumulative Yards: 50 Batch Size (cy): 10
Placement Method: Pump
Water Added Before (gal): 5
Water Added After (gal): 0
Sample Location: Paving on ViewBridge Dr., Station 10+50
Placement Location: Paving, ViewBridge Dr., Station 10+00 to 11+00

Laboratory Test Data

Set No.	Specimen ID	Diameter (in)	Area (sq in)	Date Received	Date Tested	Age at Test (days)	Maximum Load (lbs)	Compressive Strength (psi)	Fracture Type	
1	A	6.00	28.27	08/13/11	08/19/11	7	123,240	4,360	2	
1	B	6.00	28.27	08/13/11	08/19/11	7	123,670	4,370	2	
								Average (7 days)	4,370	
1	C	6.00	28.27	08/13/11	09/09/11	28	154,660	5,470	1	
1	D	6.00	28.27	08/13/11	09/09/11	28	150,540	5,320	1	
								Average (28 days)	5,400	

Comments: Average compressive strength of 28 day cylinders complies with the specified strength. Not tested for plastic unit weight.

Samples Made By: Terracon

Services: Obtain samples of fresh concrete at the placement locations (ASTM C-172), perform required field tests and cast, cure, and test compressive strength samples (ASTM C-31 (with the exception of Section 10.1.2), C-39, C-617).

Terracon Rep.: Gilbert Barron

Started: 0730

Reported To: Randy Rodriguez w/Allgood Construction

Finished: 1530

Contractor: Allgood Construction

Report Distribution:

(1) Fort Bend County Engineering, ndh@co.fort-bend.tx.us
(1) Allgood Construction, roy@allgoodconst.com
(1) Schaumburg & Polk, eknesek@spi-eng.com (1) Schaumburg & Polk, nking@spi-eng.com

Test Methods: ASTM C138, ASTM C143, ASTM C173, ASTM C1064

The tests were performed in general accordance with applicable ASTM, AASHTO, or DOT test methods. This report is exclusively for the use of the client indicated above and shall not be reproduced except in full without the written consent of our company. Test results transmitted herein are only applicable to the actual samples tested at the location(s) referenced and are not necessarily indicative of the properties of other apparently similar or identical materials.

CONCRETE COMPRESSIVE STRENGTH TEST REPORT

Terracon

Report Number: 92101254.0455
Service Date: 08/12/11
Report Date: 09/12/11 Revision 2 - 28-day results
Task:

11555 Clay Road Suite 100
Houston, TX 77043
713-690-8989 Reg No: F-3272

Client

Fort Bend County Engineering
Attn: Nathan Hatcher
1124 Blume Rd
Rosenberg, TX 77471

Project

Greenbusch Rd Phase II, FBC Project No 732
From Mills Manor to Falcon Landing Blvd
Key Map Page 484M
Katy, TX
Project Number: 92101254

Material Information

Specified Strength: 3,000 psi @ 28 days

Mix ID: S411123
Supplier: Campbell
Batch Time: 1128 Plant: 1
Truck No.: 754 Ticket No.: 120507

Sample Information

Sample Date: 08/12/11 Sample Time: 1241
Sampled By: Gilbert Barron
Weather Conditions: Clear
Accumulative Yards: 208 Batch Size (cy): 10
Placement Method: Pump
Water Added Before (gal): 0
Water Added After (gal): 0
Sample Location: Paving, Greenbusch, Station 71+50, W.B
Placement Location: Paving, ViewBridge Dr., Station 10+00 to 11+00 & Station 71+00 to 72+00

Field Test Data

Test	Result	Specification
Slump (in):	5 1/2	2 1/2 to 6
Air Content (%):	2.5	2.5 to 6
Concrete Temp. (F):	91	
Ambient Temp. (F):	97	
Plastic Unit Wt. (pcf):		
Yield (Cu. Yds.):		

Laboratory Test Data

Set No.	Specimen ID	Diameter (in)	Area (sq in)	Date Received	Date Tested	Age at Test (days)	Maximum Load (lbs)	Compressive Strength (psi)	Fracture Type	
2	A	6.00	28.27	08/13/11	08/19/11	7	126,640	4,480	2	
2	B	6.00	28.27	08/13/11	08/19/11	7	124,950	4,420	2	
								Average (7 days)	4,450	
2	C	6.00	28.27	08/13/11	09/09/11	28	160,670	5,680	2	
2	D	6.00	28.27	08/13/11	09/09/11	28	148,740	5,260	3	
								Average (28 days)	5,470	

Comments: Average compressive strength of 28 day cylinders complies with the specified strength. Not tested for plastic unit weight.

Samples Made By: Terracon

Services: Obtain samples of fresh concrete at the placement locations (ASTM C-172), perform required field tests and cast, cure, and test compressive strength samples (ASTM C-31 (with the exception of Section 10.1.2), C-39, C-617).

Terracon Rep.: Gilbert Barron

Reported To: Randy Rodriguez w/Allgood Construction

Contractor: Allgood Construction


Started: 0730

Finished: 1530

Report Distribution:

(1) Fort Bend County Engineering, ndh@co.fort-bend.tx.us
(1) Allgood Construction, roy@allgoodconst.com
(1) Schaumburg & Polk, eknesek@spi-eng.com
(1) Schaumburg & Polk, nking@spi-eng.com

Reviewed By:


Jason L. Mills, PMP
Project Manager

Test Methods: ASTM C138, ASTM C143, ASTM C173, ASTM C1064

The tests were performed in general accordance with applicable ASTM, AASHTO, or DOT test methods. This report is exclusively for the use of the client indicated above and shall not be reproduced except in full without the written consent of our company. Test results transmitted herein are only applicable to the actual samples tested at the location(s) referenced and are not necessarily indicative of the properties of other apparently similar or identical materials.

SAMPLE PICK-UP REPORT

Report Number: 92101254.0455A
Service Date: 08/13/11
Report Date: 08/15/11

Terracon

11555 Clay Road Suite 100
Houston, TX 77043
713-690-8989 Reg No: F-3272

Client

Fort Bend County Engineering
Attn: Nathan Hatcher
1124 Blume Rd
Rosenberg, TX 77471

Project

Greenbusch Rd Phase II, FBC Project No 732
From Mills Manor to Falcon Landing Blvd
Key Map Page 484M
Katy, TX
Project Number: 92101254

On August 13, 2011, a Terracon representative was present at the above referenced project to obtain two (2) sets of four (4) concrete cylinders cast on August 12, 2011. The samples were returned to the laboratory for processing and proper curing as specified.

Services: Pick up of material sample as requested and/or required by the project specifications.

Terracon Rep.: Teofilo Reynaga

Reported To:

Contractor: Allgood Construction

Report Distribution:

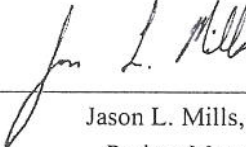
(1) Fort Bend County Engineering,
ndh@co.fort-bend.tx.us
(1) Schaumburg & Polk, cknesek@spi-
eng.com

(1) Allgood Construction,
roy@allgoodconst.com
(1) Schaumburg & Polk, nking@spi-
eng.com

Started: 0900

Finished: 1030

Reviewed By:



Jason L. Mills, PMP

Project Manager

The tests were performed in general accordance with applicable ASTM, AASHTO, or DOT test methods. This report is exclusively for the use of the client indicated above and shall not be reproduced except in full without the written consent of our company. Test results transmitted herein are only applicable to the actual samples tested at the location(s) referenced and are not necessarily indicative of the properties of other apparently similar or identical materials.

TIME & MILEAGE REPORT Timesheet has not been approved.

Office: TER-Houston (0092) PTO Balance: 102.92

(06-Aug-2011)

Project Name	Project No	Task	WC	Sunday		Monday		Tuesday		Wednesday		Thursday		Friday		Saturday		Total	
				Hours	Miles	Hours	Miles	Hours	Miles	Hours	Miles	Hours	Miles	Hours	Miles	Hours	Miles	Hours	Miles
General Administration	92110200	0	221	2.00														2.00	0
Chase Bank at I-45 and West Rd	92111232	0	018	0.50														0.50	0
Bryn Mawr Asphalt Coring	92111238	0	018	0.50														0.50	0
Ben E Keith New Houston Distribution Center	92111190	0	018	0.50						1.00				1.00				3.00	0
Halliburton North Belt Campus Improvements	92101091	0	018	0.50						0.50				0.25				1.25	0
Human Resources	92110400	0	243	0.50														0.50	0
Paid Leave	92110900	0	290	8.00														8.00	0
Greenbusch Rd Phase II, FBC Project No 732	92101254	0	018	0.50						0.50				0.50				1.00	0
Saddlewood and Wellesley	92111224	0	018							0.50				0.50				1.00	0
McDonalds Restaurant 42-0318	92111197	0	018							0.50				0.50				1.00	0
Eagle Entergy Phase II	92081224	0	024							0.25				0.25				0.50	0
Westwood Country Club Clubhouse	92091400	0	024							0.25				0.25				0.50	0
Halliburton North Belt Campus Improvements	92101091	0	024							0.25				0.25				0.50	0
Greenbusch Rd Phase II, FBC Project No 732	92101254	0	024							0.25				0.25				0.50	0
Biotics Research Building Expansion	92101364	0	024							0.25				0.25				0.50	0
Wallisville Rd at Bay River & Rye Rd	92101445	0	024							0.25				0.25				0.50	0
Luby's Meyer Park	92111026	0	024							0.25				0.25				0.50	0
Kelley Residence	92111052	0	024							0.25				0.25				0.50	0
Bryn Mawr Paving & Drainage	92111053	0	024							0.25				0.25				0.50	0
Memorial Hermann Medical Plaza LINAC	92111060	0	024							0.25				0.25				0.50	0
Brazos Valley Schools Credit Union New Admin Bldg	92111065	0	024							0.25				0.25				0.50	0
Eldridge Parkway Apts Phase II	92111115	0	024							0.25				0.25				0.50	0
Samuel Son Crane Conversion	92111116	0	024							0.25				0.25				0.50	0
Chase Bank 19535 - Houston	92111119	0	024							0.25				0.25				0.50	0
Lowe's Store Parking Lot Repairs	92111120	0	024							0.25				0.25				0.50	0
Apple Store - Highland Village	92111135	0	024							0.25				0.25				0.50	0
Pope John XXIII High School Gymnasium	92111163	0	024							0.25				0.25				0.50	0
St Pius X High School Tier I Phase I	92111172	0	024							0.25				0.25				0.50	0
McDonalds Restaurant 42-2921	92111176	0	024							0.25				0.25				0.50	0
Ben E Keith New Houston Distribution Center	92111190	0	024							0.25				0.25				0.50	0
839 Frostwood	92111194	0	024							0.25				0.25				0.50	0
McDonalds Restaurant 42-0318	92111197	0	024							0.25				0.25				0.50	0

CONCRETE COMPRESSIVE STRENGTH TEST REPORT

Terracon

Report Number: 92101254.0456
Service Date: 08/15/11
Report Date: 09/13/11 Revision 2 - 28-day results
Task:

11555 Clay Road Suite 100
Houston, TX 77043
713-690-8989 Reg No: F-3272

Client

Fort Bend County Engineering
Attn: Nathan Hatcher
1124 Blume Rd
Rosenberg, TX 77471

Project

Greenbusch Rd Phase II, FBC Project No 732
From Mills Manor to Falcon Landing Blvd
Key Map Page 484M
Katy, TX
Project Number: 92101254

Material Information

Specified Strength: 3,000 psi @ 28 days

Mix ID: S411123
Supplier: Campbell
Batch Time: 0910 Plant: 5
Truck No.: 844 Ticket No.: 542126

Field Test Data

Test	Result	Specification
Slump (in):	4 1/2	2 1/2 to 6
Air Content (%):	3.75	2.5 to 6
Concrete Temp. (F):	94	
Ambient Temp. (F):	92	
Plastic Unit Wt. (pcf):		
Yield (Cu. Yds.):		

Sample Information

Sample Date: 08/15/11 Sample Time: 0945
Sampled By: Gilbert Barron
Weather Conditions: Clear
Accumulative Yards: 10/60 Batch Size (cy): 10
Placement Method: Direct Discharge
Water Added Before (gal): 0
Water Added After (gal): 0
Sample Location: Westheimer Parkway from 120+20 to 120+70
Placement Location: Center Area 4' W on Westheimer Parkway from Station 119+17 to 121+08

Laboratory Test Data

Set No.	Specimen ID	Diameter (in)	Area (sq in)	Date Received	Date Tested	Age at Test (days)	Maximum Load (lbs)	Compressive Strength (psi)	Fracture Type
1	A	6.00	28.27	08/16/11	08/22/11	7	119,490	4,230	2
1	B	6.00	28.27	08/16/11	08/22/11	7	114,970	4,070	2
						Average (7 days)		4,150	
1	C	6.00	28.27	08/16/11	09/12/11	28	138,050	4,880	3
1	D	6.00	28.27	08/16/11	09/12/11	28	140,530	4,970	3
						Average (28 days)		4,930	

Comments: Average compressive strength of 28 day cylinders complies with the specified strength. Not tested for plastic unit weight.

Initial Curing Temperature:

Thermometer ID No.: JUL-23

Max. Temperature 112° F

Min. Temperature 82° F

The tests were performed in general accordance with applicable ASTM, AASHTO, or DOT test methods. This report is exclusively for the use of the client indicated above and shall not be reproduced except in full without the written consent of our company. Test results transmitted herein are only applicable to the actual samples tested at the location(s) referenced and are not necessarily indicative of the properties of other apparently similar or identical materials.

CONCRETE COMPRESSIVE STRENGTH TEST REPORT

Terracon

Report Number: 92101254.0456
Service Date: 08/15/11
Report Date: 09/13/11 Revision 2 - 28-day results
Task:

11555 Clay Road Suite 100
Houston, TX 77043
713-690-8989 Reg No: F-3272

Client

Fort Bend County Engineering
Attn: Nathan Hatcher
1124 Blume Rd
Rosenberg, TX 77471

Project

Greenbusch Rd Phase II, FBC Project No 732
From Mills Manor to Falcon Landing Blvd
Key Map Page 484M
Katy, TX
Project Number: 92101254

Samples Made By: Terracon

Services: Obtain samples of fresh concrete at the placement locations (ASTM C-172), perform required field tests and cast, cure, and test compressive strength samples (ASTM C-31 (with the exception of Section 10.1.2), C-39, C-617).

Terracon Rep.: Gilbert Barron

Started: 0900

Reported To: Brandy w/Allgood

Finished: 1230

Contractor: Allgood Construction

Report Distribution:

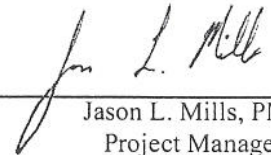
(1) Fort Bend County Engineering,

(1) Allgood Construction, roy@allgoodconst.com

ndh@co.fort-bend.tx.us

(1) Schaumburg & Polk, ckneseck@spi-eng.com (1) Schaumburg & Polk, nking@spi-eng.com

Reviewed By:



Jason L. Mills, PMP
Project Manager

Test Methods: ASTM C138, ASTM C143, ASTM C173, ASTM C1064

The tests were performed in general accordance with applicable ASTM, AASHTO, or DOT test methods. This report is exclusively for the use of the client indicated above and shall not be reproduced except in full without the written consent of our company. Test results transmitted herein are only applicable to the actual samples tested at the location(s) referenced and are not necessarily indicative of the properties of other apparently similar or identical materials.

SAMPLE PICK-UP REPORT

Report Number: 92101254.0456A
Service Date: 08/16/11
Report Date: 08/17/11

Terracon

11555 Clay Road Suite 100
Houston, TX 77043
713-690-8989 Reg No: F-3272

Client

Fort Bend County Engineering
Attn: Nathan Hatcher
1124 Blume Rd
Rosenberg, TX 77471

Project

Greenbusch Rd Phase II, FBC Project No 732
From Mills Manor to Falcon Landing Blvd
Key Map Page 484M
Katy, TX
Project Number: 92101254

On August 16, 2011, a Terracon representative was present at the above referenced project to obtain one (1) set of four (4) concrete cylinders cast on August 15, 2011. The samples were returned to the laboratory for processing and proper curing as specified.

Services: Pick up of material sample as requested and/or required by the project specifications.

Terracon Rep.: Teofilo Reynaga

Reported To:

Contractor: Allgood Construction

Report Distribution:

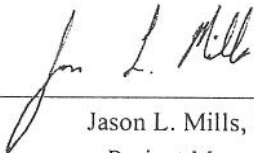
(1) Fort Bend County Engineering,
ndh@co.fort-bend.tx.us
(1) Schaumburg & Polk, eknesek@spi-
eng.com

(1) Allgood Construction,
roy@allgoodconst.com
(1) Schaumburg & Polk, nking@spi-
eng.com

Started: 1530

Finished: 1645

Reviewed By:



Jason L. Mills, PMP

Project Manager

The tests were performed in general accordance with applicable ASTM, AASHTO, or DOT test methods. This report is exclusively for the use of the client indicated above and shall not be reproduced except in full without the written consent of our company. Test results transmitted herein are only applicable to the actual samples tested at the location(s) referenced and are not necessarily indicative of the properties of other apparently similar or identical materials.