Geotest Engineering, Inc.
Geotechnical Engineers and Materials Testing

5600 Bintliff Drive, Houston, TX 77036

Telephone: (713) 266-0588

(713) 266-2977

INVOICE

Name:

Fort Bend County c/o RPS Infrastructure, Inc.

invoice No. 28062

Address:

575 N. Dairy Ashford, Suite 700

Project No. 1150319601

Date:

11-Aug-21

City, Zip:

Houston Texas 77079

Attention:

Mr. Gabriel Odreman

Reference:

Paving and Drainage Improvements on Beechnut Road

P.O# 198131

Project No. 17204

Authorization: Mr. Gabriel Odreman

Fee Code: 3196

TERMS: NET 10 DAYS

| Date | Req | Report No(s). | Services Provided | Code | Quantity | Unit | | Unit Price | Amount |
|------------|-----|------------------|---|--|------------------------------|---------------------------|----------------|---|-----------------------------------|
| 06/10/2021 | 1 | 247B | Project Manager, P.E. (Rpt. Review/Meeting) | 10300.00 | 0.10 | Hr. | \$ | 180.00 \$ | 18.00 |
| 06/14/2021 | | 249B | Project Manager, P.E. (Rpt. Review/Meeting) | 10300.00 | 0.10 | Hr. | \$ | 180.00 \$ | 18.00 |
| 06/17/2021 | | 251B | Project Manager, P.E. (Rpt. Review/Meeting) | 10300.00 | 0.10 | Hr. | \$ | 180.00 \$ | 18.00 |
| 06/21/2021 | | 255B | Project Manager,P.E.(Rpt.Review/Meeting) | 10300.00 | 0.10 | Hr. | \$ | 180.00 \$ | 18.00 |
| 06/24/2021 | | 263B | Project Manager,P.E.(Rpt.Review/Meeting) | 10300.00 | 0.10 | Hr. | \$ | 180.00 \$ | 18.00 |
| 07/02/2021 | 2 | 269A-B | Technician Vehicle Charge Compressive Str.(Cylinder) (C 39) Project Manager,P.E.(Rpt.Review/Meeting) | 10700.00 15000.00 30100.00 10300.00 | 4.00 1.00 4.00 0.20 | Hr. Trip Ea. Hr. | \$ \$ \$ | 60.00 \$ 65.00 \$ 17.00 \$ 180.00 \$ | 240.00 65.00 68.00 36.00 |
| 07/03/2021 | 1 | 270 | Technician OT Vehicle Charge | 10701.00 15000.00 | 1.50 1.00 | Hr. Trip | \$ \$ | 90.00 \$ 65.00 \$ | 135.00 65.00 |
| 07/07/2021 | 2 | 271-272 | Technician Vehicle Charge Nuclear Density Gauge (D6938) Project Manager,P.E.(Rpt.Review/Meeting) | 10700.00 15000.00 95100.00 10300.00 | 6.00 1.00 1.00 0.20 | Hr. Trip Day Hr. | \$ \$ \$ | 60.00 \$ 65.00 \$ 55.00 \$ 180.00 \$ | 65.00 55.00 |
| 07/12/2021 | 2 | 273-274 | Technician Vehicle Charge Nuclear Density Gauge (D6938) Project Manager,P.E.(Rpt.Review/Meeting) | 10700.00 15000.00 95100.00 10300.00 | 4.00 1.00 1.00 0.10 | Hr. Trip Day Hr. | \$ \$ \$ | 60.00 \$ 65.00 \$ 55.00 \$ 180.00 \$ | 65.00 55.00 |
| 07/13/2021 | 1 | 275 | Technician Vehicle Charge | 10700.00 15000.00 | 4.50 1.00 | Hr. Trip | \$ \$ | 60.00 \$ 65.00 \$ | |
| 07/14/2021 | 2 | 276 | Technician Vehicle Charge Nuclear Density Gauge (D6938) Project Manager,P.E.(Rpt.Review/Meeting) | 10700.00 15000.00 95100.00 10300.00 | 7.50 1.00 1.00 0.10 | Hr. Trip Day Hr. | \$ \$ \$ | 60.00 \$ 65.00 \$ 55.00 \$ 180.00 \$ | 65.00 55.00 |

Invoice No. 28062 Project No. 1150319601 Date: 11-Aug-21

| Date | Req | Report No(s). | Services Provided | Code | Quantity | Unit | | Unit Price | | Amount |
|------------|-----|------------------|---|--|-------------------------------|---------------------------|----------------|-----------------------------------|----------|------------------------------------|
| 07/16/2021 | 1 | 277A | Technician Vehicle Charge Compressive Str.(Cylinder) (C 39) Project Manager,P.E.(Rpt.Review/Meeting) | 10700.00 15000.00 30100.00 10300.00 | 6.50 1.00 12.00 0.10 | Hr. Trip Ea. Hr. | \$ \$ \$ | 60.00 65.00 17.00 180.00 | \$ \$ | 390.00 65.00 204.00 18.00 |
| 07/17/2021 | 1 | 278 | Technician OT Vehicle Charge | 10701.00 15000.00 | 1.75 1.00 | Hr. Trip | \$ \$ | 90.00 65.00 | | 157.50 65.00 |
| 07/23/2021 | 2 | 279 | Technician Vehicle Charge Nuclear Density Gauge (D6938) Project Manager,P.E.(Rpt.Review/Meeting) | 10700.00 15000.00 95100.00 10300.00 | 7.00 1.00 1.00 0.10 | Hr. Trip Day Hr. | \$ \$ \$ | 60.00 65.00 55.00 180.00 | \$ | 420.00 65.00 55.00 18.00 |
| 07/26/2021 | 1 | 280 | Technician Vehicle Charge | 10700.00 15000.00 | 4.00 1.00 | Hr. Trip | \$ \$ | 60.00 65.00 | | 240.00 65.00 |
| 07/27/2021 | 2 | 281-282 | Technician Vehicle Charge Nuclear Density Gauge (D6938) Project Manager,P.E.(Rpt.Review/Meeting) | 10700.00 15000.00 95100.00 10300.00 | 7.75 1.00 1.00 0.10 | Hr. Trip Day Hr. | \$ \$ \$ | 60.00 65.00 55.00 180.00 | \$ | 465.00 65.00 55.00 18.00 |
| 07/28/2021 | 1 | 283 | Technician Vehicle Charge | 10700.00 15000.00 | 4.00 1.00 | Hr. Trip | \$ \$ | 60.00 65.00 | - | 240.00 65.00 |
| 07/29/2021 | 2 | 284-286 | Technician Technician OT Vehicle Charge Project Manager,P.E.(Rpt.Review/Meeting) | 10700.00 10701.00 15000.00 10300.00 | 8.00 2.00 1.00 0.20 | Hr. Hr. Trip Hr. | \$ \$ \$ | 60.00 90.00 65.00 180.00 | \$ | 480.00 180.00 65.00 36.00 |
| 07/30/2021 | 1 | 287A-289 | Technician Vehicle Charge Compressive Str.(Cylinder) (C 39) Project Manager, P.E. (Rpt. Review/Meeting) | 10700.00 15000.00 30100.00 10300.00 | 7.75 1.00 4.00 0.30 | Hr. Trip Ea. Hr. | \$ \$ \$ | 60.00 65.00 17.00 180.00 | \$ | 465.00 65.00 68.00 54.00 |
| 07/31/2021 | 1 | 290 | Technician OT Vehicle Charge | 10701.00 15000.00 | 1.50 1.00 | Hr. Trip | \$ | 90.00 65.00 | | 135.00 65.00 |
| | | Attachments: | Test Reports | | | | то | TAL | \$ | 6,799.50 |
| | | | Contract Amount Amount of this Invoice Amount Billed Previously Total Billed Projects to date | ary | | | \$ | 6,799.50 65,259.50 | \$ | 105,606.00 72,059.00 |
| | | | Amount Remaining in the Contract Percent Complete | | | | | | \$ | 33,547.00 68.23% |

REPORT OF CONCRETE CYLINDER TEST DATA (ASTM C 39, ASTM C31, ASTM C511 and ASTM C172)

Project:

Paving and Drainage Improvements on Beechnut Road

Job No.:

11503196-01

Client:

Report No.:

247 B, 1 of 3

Fort Bend County c/o RPS Infrastructure, Inc.

Concrete Producer:

Argos

Plant:

Date:

06-10-2021

Contractor:

All Good Constructions

Spec. No.:

149

360

| SMAILTHA | G DATA | | | | | | MIX I | DESIGN | |
|-------------------------|----------------------|----------------|------------------|------------------|----------------|---|-----------------------------|--------------------------------------|-----------|
| Truck No. Time Batcl | 6 | etual 290 | Ticket No. | 11704000 | Class | ied @ Plant 1.5 L.S. | Mix No. | upplied by Producer H1 0000002069 | |
| | | :10 am | - Spec | ifications | Ma | terial | Туре | Weig | ht Unit |
| Time Samp | oled 4 | :55 am | | | Cement | ; | Type I/II | | lbs |
| Time in Mi | xer 4 | 5 | Min. M | [ax. 90 | Flyash | | | | lbs |
| Slump (i) | 4. | .0 | in. 1. | 0 - 6.0 it | , Coarse | Aggregate | | | lbs |
| Air Conten | t (2) 3 | .2 | % 2. | 5-4.5 % | 6 Fine Ag | gregate | Concrete S | and | lbs |
| Unit Weigł | nt (3) N | [/A | pcf N | /A | Admixt | ure 1 | | | OZS |
| Yield | N | [/A | cu.ft N | /A | Admixt | ure 2 | | | |
| Water Add | ed 0 | | gals N | /A ga | ls Admixt | ure 3 | | | OZS |
| Ambient To | emp 7 | 9 | •F -M | fin. 40 o | | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | м | | OZS |
| Concrete T | emp ₍₄₎ 8 | 8 | | [ax. 90 o | • | | | | lbs |
| Weather | | Sunny | ■ Cloudy | | | □ Rainy | | | |
| (1) ASTM C1 | | STM C173 | ASTM C2 | | | d Strength | | | |
| (3) ASTM C1 | . , | | | | • | a suengm | | psi @ | days |
| , | () | | | ASTM C1231 | | | 3000 | psi @ 28 | days |
| Specimen Size | | | 4"ø x 8" ~ 3' | | | ring: <u>Field</u> | | : Standard (Tanks) | |
| General Locat | ion: Pavii | ng at Sta. No | . 66+50 to 70+ | 70 West Bound | Tested at Sta. | No, 59+92 to 5 | 56+08 West Bour | nd (Remaining wall) | |
| Sample Locati | ion: Sami | oled at 10.0 c | of 40.0 embio v | ards at Sta. No. | 56100 | | | | |
| Specimen Mark | Date Tested | Age, Days | Type of Fracture | Diameter, | TT 1 1. | Area, (Sq.in) | Ultimate Load, (Lbs.) | Compressive Strength, (psi) | Tested By |
| SETI | | | | | | | | , T | |
| 61 | 06-17-21 | 7 | 2 | 5.99 | 11.98 | 28.18 | 133,780 | 4750 | L. Patel |
| 62 | 06-17-21 07-08-21 | 7 28 | 5 | 5.99 | 11.98 | 28.18 | 135,680 | 4810 | L. Patel |
| 64 | 07-08-21 | 28 | 5 | 5.99 | 11.98 | 28.18 | 166,280 | 5900 | L. Patel |
| UT | 07-00-21 | 1 20 | | 5,99 | 11.98 | 28.18 | 168,610 | 5980 | L. Patel |

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5600 Bintliff Drive Houston, Texas 77036 Tel. (713) 266-0588

REPORT OF CONCRETE CYLINDER TEST DATA

(ASTM C 39, ASTM C31, ASTM C511 and ASTM C172)

Paving and Drainage Improvements on Beechnut Road Project:

Job No.:

11503196-01

Client:

Remarks:

Fort Bend County c/o RPS Infrastructure, Inc.

Report No.: Date:

247 B, 2 of 3

Concrete Producer:

Argos

Plant:

06-10-2021

149

Contractor: All Good Constructions Spec. No.: 360

| SAMPLING | G DATA | | | | | | | MIX D | ESIGN | |
|------------------|---------------|-----------------------|---------------------|-----------------|----------|-----------------|-----------------------|--|-------------------------------------|-----------|
| Truck No. | _ | Actual 1719 | Ticket N | | | Class | d @ Plant 1.5 L.S. | Mix No. | pplied by Producer H1 0000002069 | _ |
| Time Batch | ed | 5:46 am | Spe | ecification | S | Mate | rial | Туре | Weigh | t Unit |
| Time Sampl | led | 6:30 am | • | | | Cement | | Type I/II | | lbs |
| Time in Mix | ker _ | 44 | Min. | Max. 90 | | Flyash | | Andrew Control of the | | 1bs |
| Slump (1) | - | 6.0 | in. | 1.0 - 6.0 | in. | Coarse A | ggregate | | | lbs |
| Air Content | (2) | 2.6 | % | 2.5 – 4.5 | % | Fine Agg | regate | Concrete Sa | and | 1bs |
| Unit Weigh | t (3) | N/A | pcf | N/A | | Admixtu | re 1 | | | ozs |
| Yield | - | N/A | cu.ft | N/A | | Admixtu | re 2 | | | OZS |
| Water Adde | ed | 0 | gals | N/A | gals | Admixtu | re 3 | | | OZS |
| Ambient Te | emp · - | 77 | - °F - | Min. 40 | °F | Water | | | | lbs |
| Concrete Te | emp (4) | 88 | • _F - | Max. 90 | °F | | | | | |
| Weather | - | □ Sunny | ■ Clou | idy 🗆 Pa | tially | Cloudy [| Rainy | | | |
| (1) ASTM C14 | 43 (2) ~ | ASTM C173 | ASTM | C231 | | Required | Strength | | psi @ | days |
| (3) ASTM C13 | 38 (4) AS | STM C1064 Ca | pping Meth | od: ASTM C | 1231 | | | 3000 | psi @ 28 | days |
| Specimen Size | e: I | 6" ø x 12" - | ~ 4"ø x 8" ~ | 3" ø x 6" | | Initial Curi | ng: Field | Final Curing: | Standard (Tanks) | |
| General Locat | ion: P | aving at Sta. No | o. 66+50 to | 70+70 West E | ound ar | nd Tested at S | a. No. 59+92 | to 56+08 West I | Bound (Remaining wall) | |
| | | | | | | | | | | |
| Sample Locati | ion: S | ampled at <u>10.0</u> | of <u>150.0</u> cut | ole yards at St | a. No. 6 | | | Titlemate | 7 | |
| Specimen Mark | Date Teste | | Type o | | | Height, (in) | Area, (Sq.in) | Ultimate Load, (Lbs.) | Compressive Strength, (psi) | Tested By |
| SET II | 70010 | 200 | Tuotai | (| ^) | | | | Sitoligii, (psi) | |
| 65 | 06-17- | 21 7 | 5 | 5.9 | 99 | 11.98 | 28.18 | 136,830 | 4860 | L. Patel |
| 66 | 06-17- | 21 7 | 6 | 5.9 | 99 | 11.98 | 28.18 | 138,000 | 4900 | L. Patel |
| 67 | 07-08- | 21 28 | 3 | 5.9 | 99 | 11.98 | 28.18 | 173,080 | 6140 | L. Patel |
| 68 | 07-08- | 21 28 | 5 | 5.9 | 99 | 11.98 | 28.18 | 175,300 | 6220 | L. Patel |
| ~ ** | <u> </u> | | | | | | | | | |
| Indicates n | ioncomp | liance with | specificat | nons | | | | Concrete P | Placed: 400.0 cu. yd | S |

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5600 Bintliff Drive Houston, Texas 77036 Tel. (713) 266-0588

REPORT OF CONCRETE CYLINDER TEST DATA

(ASTM C 39, ASTM C31, ASTM C511 and ASTM C172)

Project:

Job No.:

11503196-01

Client:

Paving and Drainage Improvements on Beechnut Road

Report No.:

247 B, 3 of 3

Fort Bend County c/o RPS Infrastructure, Inc.

Date:

06-10-2021

Concrete Producer:

Argos

Plant:

149

Contractor:

All Good Constructions

Spec. No.:

360

| SAMPLIN | | | .1 | | | | ** | | | ESIGN | | |
|--|--|-------------------------|------------------|--------------------------------|--------------------------|--------------------|-----------------|------------------------|-----------------------------|-----------------------|-------------|----------------------|
| Truck No. | | Actua 5159 | ai. | Ticket | No. 1495 | 2403 | ~ Verifie | ed @ Plant 1.5 L.S. | ■ St Mix No. | ipplied by H1 0000 | | |
| Time Batch | ned | 9:40 8 | am | | pecification | | Mate | | Туре | | Weight | Uni |
| Time Samp | led | 10:20 | am | | | | Cement | | Type I/II | | ., ., g., | lbs |
| Time in Mi | xer | 40 | - | Min. | Max. 90 | | Flyash | | - 71 | | | lbs |
| Slump (1) | | 4.5 | - | in. | 1.0 - 6.0 | in. | | Aggregate | | | | lbs |
| Air Conten | t (2) | 2.6 | | % | 2.5 – 4.5 | - % | Fine Ag | | Concrete S | and | | lbs |
| Unit Weigh | nt (3) | N/A | | pcf | N/A | - | Admixtu | | | | | OZS |
| Yield | | N/A | | cu.ft | N/A | - | Admixtu | | | | | |
| Water Add | ed | 0 | | gals | N/A | - gals | Admixtu | | | | | OZS |
| Ambient Te | emp | 84 | | °F | Min. 40 | - °F | Water | | | | | 0Z8 |
| Concrete T | - | 90 | | °F | Max. 90 | - ºF | ,,,,,,, | | | | | lbs |
| Weather | 1 (,, | □ Sur | nv | m Clo | | _ | Cloudy | ⊐ Rainv | | | | |
| (I) ASTM CI | 43 (2) | - ASTM | • | ASTM | | · · · · · · · | | d Strength | | psi @ | | 4 |
| (3) ASTM CI | | | | | hod: ASTM (| 11231 | recquire | a bu chgui | 3000 | - | | days |
| Specimen Size | | | | | ~ 3" ø x 6" | 1231 | Initial Cur | ing: Field | Final Curing | psi @ | Z8 | days —— |
| General Locat | | | | | | Sound (H | | | 6+50 to 70+70 V | | Tanks) | |
| | | | | | | ouna (ti | mi pootion) | | 0130 to 70170 1 | Y.D. | | |
| Sample Locat | ion: S | ampled a | at <u>8.0</u> of | <u>326.0</u> cul | oic yards at Sta | . No. 574 | -00 | | | | | |
| Specimen Mark | Date Teste | | Age, Days | Type Fracti | | , | Height, (in) | Area, (Sq.in) | Ultimate Load, (Lbs.) | Compr Strengtl | | Tested B |
| SET III | | | | | | | | | | | , (1-2-) | |
| 69 70 | 06-17- | | 7 | 2 | 5.9 | | 11.98 | 28.18 | 151,080 | 530 | | L. Patel |
| /0 | 06-17- 07-08- | | 7 28 | 5 | 5.9 | | 11.98 | 28.18 | 150,880 | 53. | | L. Patel |
| | 07-00- | | 28 | 5 | 5.9 | | 11.98 | 28.18 | 174,630 178,580 | 620 | | L. Patel L. Patel |
| 71 72 | 07-08- | Z1 | | | | | | | | | | |
| 71 | 07-08- | 21 | 20 | | | 7 | 11.70 | 20.10 | 170,500 | | - | 2.1 (10) |
| 71 | | | | | | ,,, | 11.70 | | | | | D. Tatol |
| 71 72 Indicates n | | | | | | , | 11.70 | | Concrete F | | | D. I atol |
| 71 72 Indicates n emarks: | | liance | | pecifica | ctions Depart Lab: | 3:30 pt | n A | rrive Site: | Concrete F | Placed: 400 | 0.0 cu. yds | hrs. |
| 71 72 Indicates n emarks: echnician: istribution: | A. Bisho | liance | with sp | pecifica I | Depart Lab: | 3:30 pt 12:30 | n A | | Concrete F | laced: 400 | 0.0 cu. yds | |
| 71 72 Indicates in emarks: echnician: istribution: tty of Houston - rava, LLC - Mik | A. Bisho ACI I/ SI | liance | with sp | pecifica I | ctions Depart Lab: | 3:30 pt 12:30 | n A | rrive Site: | Concrete F | Placed: 400 | 0.0 cu. yds | hrs. |
| 71 72 Indicates nemarks: echnician: istribution: ty of Houston - 'ava, LLC - Mik | A. Bisho ACI I/ SI | liance | with sp | pecifica I | Depart Lab: | 3:30 pt 12:30 | n A | rrive Site: | Concrete F | Placed: 400 | 0.0 cu. yds | hrs. |
| 71 72 Indicates n cemarks: | A. Bisho ACI I/ SI Patricia Jenn te (email) | liance 3 102 sings, Bry | with sp | Decifica I I Dewey Po | Depart Lab: Depart Site: | 3:30 pp 12:30 j | n A | rrive Site: | Concrete F 4:00 am 1:00 pm | Placed: 400 | 0.0 cu. yds | hrs. |

TBPE Registration No. F-4 (0 The results of this report pertain only to the items and locations tested. This report shall not be reproduced except in full without written approval of Geotest Engineering, Inc. RCCTD.REP

Dindinadh Bollarapu Graduate Engineer

5600 Bintliff Drive Houston, Texas 77036 Tel. (713) 266-0588

REPORT OF CONCRETE CYLINDER TEST DATA

(ASTM C 39, ASTM C31, ASTM C511 and ASTM C172)

Project:

Paving and Drainage Improvements on Beechnut Road

Job No.:

11503196-01

Client:

Fort Bend County c/o RPS Infrastructure, Inc.

Report No.:

249 B, 1 of 3

Concrete Producer:

All Good Constructions

Plant:

Date:

06-14-2021

Contractor:

Argos

Spec. No.:

149 360

| SAMPLIN | G DATA | | | | | | | MIX D | ESIGN | |
|---------------|---------------|----------------|----------------------|-----------------|---------|--------------------|-------------------|---|--------------------------------|-----------|
| Truck No. | | ctual 55 | Ticket No | o. 149524 | 53 | ~ Verifie Class | ed @ Plant 1.5 | ■ St Mix No. | upplied by Producer H1 2069 | : |
| Time Batch | ned 4 | 15 am | Spe | cifications | | Mate | erial | Туре | Weig | tht Unit |
| Time Samp | oled 4 | :45 am | • | | | Cement | | Type I/II | _ | 1bs |
| Time in Mi | ixer 3 | 0 | Min. | Max. 90 | | Flyash | | | | lbs |
| Slump (1) | 4 | .5 | in. | 1.0 – 6.0 | in. | Coarse A | aggregate | - | | 1bs |
| Air Conten | t (2) 4 | .6 | % - | 2.5 – 4.5 | % | Fine Ag | | Concrete S | and | 1bs |
| Unit Weigh | nt (3) N | /A | pcf 1 | N/A | , , | Admixtu | | | | OZŚ |
| Yield | N | Ī/Ā | | N/A | | Admixtu | | | | |
| Water Add | ed 5 | | | 7/1 | gals | Admixtu | | | | OZS |
| Ambient To | emp 7 | 5 | | Min. 40 | °F | Water | | *************************************** | | OZS |
| Concrete T | • | | _ | Max. 95 | °F | vv atol | | | | 1bs |
| Weather | - 17 | Sunny | □ Cloud | | | lander - | Daine | | | |
| (I) ASTM C1 | | STM C173 | | | шуС | • | Rainy | | | |
| | | | ASTM C | | | Required | d Strength | | psi @ | days |
| (3) ASTM C1 | () | | | d: ASTM C12 | 231 | | | 3000 | psi @ 28 | days |
| Specimen Size | e: ■ 6 | "øx 12" ∼ | 4"ø x 8" ~ | 3" ø x 6" | | Initial Cur | ing: Field | Final Curing | : Standard (Tanks) | |
| General Locat | tion: Road | l paving, Bed | echnut Road, | East Bound La | ine, St | a. No. 75+80 | to 82+00 | | | |
| G | | 1.1.100 | | | | | | | | |
| Sample Locat | ion: Sam | pled at 10.0 c | of <u>50.0</u> cubic | yards at Sta. 1 | No. 76 | +25, Beginni | ng of pour | T.71.1 | | |
| Specimen | Date | Age, | Type of | | er, | Height, | Area, | Ultimate Load, (Lbs.) | Compressive | 77 . 47 |
| Mark SET I | Tested | Days | Fracture | (in) | _ | (in) | (Sq.in) | (Lbs.) | Strength, (psi) | Tested By |
| 73 | 06-21-21 | 7 | 5 | 5.00 | - | 11.00 | 20.10 | 150 610 | | |
| 74 | 06-21-21 | 7 | 6 | 5.99 5.99 | | 11.98 | 28.18 | 158,610 | 5630 | L. Patel |
| 75 | 07-12-21 | 28 | 2 | 5.98 | | 11.98 | 28.18 | 155,380 | 5510 | L. Patel |
| 76 | 07-12-21 | 28 | 5 | 5.98 | | 11.99 | 28.09 | 176,200 | 6270 | L. Patel |
| 70 | 07-12-21 | 20 | 3 | 5,98 | | 11.99 | 28.09 | 177,850 | 6330 | L. Patel |

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RCCTD.REP

REPORT OF CONCRETE CYLINDER TEST DATA

(ASTM C 39, ASTM C31, ASTM C511 and ASTM C172)

Project:

Paving and Drainage Improvements on Beechnut Road

Job No.:

11503196-01

Client: Fe

Fort Bend County c/o RPS Infrastructure, Inc.

Report No.:

249 B, 2 of 3

Concrete Producer:

r: All Good Constructions

Plant:

Date:

06-14-2021

Contractor:

Argos

Spec. No.:

149 360

SAMPLING DATA MIX DESIGN Actual ~ Verified @ Plant ■ Supplied by Producer Truck No. 77 Ticket No. 14952466 Class 1.5 Mix No. H1 2069 Time Batched 5:51 am Specifications Material Type Weight Unit Time Sampled 6:41 am Cement Type I/II lbs Time in Mixer 50 Max. 90 Min. Flyash lbs 5.0 Slump (1) 1 - 6 in. Coarse Aggregate in. lbs 2.5 - 4.5Air Content (2) 4.8 Fine Aggregate Concrete Sand lbs Unit Weight (3) N/A pcf N/A Admixture 1 ozs Yield N/A N/A cu.ft Admixture 2 ozs 5 Water Added gals N/A Admixture 3 gals ozs 75 Ambient Temp ٥F Min. 40 Water ٥F lbs Concrete Temp (4) 79 ٥F Max. 95 이구 Weather ■ Sunny □ Cloudy □ Partially Cloudy □ Rainy (1) ASTM C143 (2) ~ ASTM C173 ASTM C231 Required Strength psi @ days (3) ASTM C138 (4) ASTM C1064 Capping Method: ASTM C1231 3000 psi @ 28 days Specimen Size: Initial Curing: Field Final Curing: Standard (Tanks) ■ 6" øx 12" ~ 4"øx 8" ~ 3" øx 6" General Location: Road paving, Beechnut Road, East Bound Lane, Sta. No. 75+80 to 82+00

| Sample Locati | on: Sampl | ed at 10.0 o | f <u>180.0</u> cubic y | ards at Sta. No. | 78+40, Middle | of pour | 1444 | | |
|------------------|----------------|--------------|------------------------|-------------------|-----------------|------------------|-----------------------------|--------------------------------|-----------|
| Specimen Mark | Date Tested | Age, Days | Type of Fracture | Diameter, (in) | Height, (in) | Area, (Sq.in) | Ultimate Load, (Lbs.) | Compressive Strength, (psi) | Tested By |
| SET II | | | | | | | | | |
| 77 | 06-21-21 | 7 | 6 | 5.99 | 11.98 | 28.18 | 156,300 | 5550 | L. Patel |
| 78 | 06-21-21 | 7 | 6 | 5.99 | 11.98 | 28.18 | 158,080 | 5610 | L. Patel |
| 79 | 07-12-21 | 28 | 2 | 5.98 | 11.99 | 28.09 | 175,830 | 6260 | L. Patel |
| 80 | 07-12-21 | 28 | 3 | 5.98 | 11.99 | 28.09 | 173,300 | 6170 | L. Patel |
| | | | | | | | | | |

*Indicates noncompliance with specifications

Remarks:

Concrete Placed: 440.0 cu. yds

The results of this report pertain only to the items and locations tested. This report shall not be reproduced except in full without written approval of Geotest Engineering, Inc.

RCCTD.REP

5600 Bintliff Drive Houston, Texas 77036 Tel. (713) 266-0588

REPORT OF CONCRETE CYLINDER TEST DATA

(ASTM C 39, ASTM C31, ASTM C511 and ASTM C172)

Project:

Paving and Drainage Improvements on Beechnut Road

Job No.: Report No.:

11503196-01 249 B, 3 of 3

Client:

Fort Bend County c/o RPS Infrastructure, Inc.

All Good Constructions

149

Date:

06-14-2021

Concrete Producer: Contractor:

Argos

Spec. No.:

360

| SAMPLING | G DAT | 4 | | | | | | | | MIX D | ESIGN | | |
|------------------|--------------|------------|--------------|---------------------------|----------|-------------|-----------|--------------------|------------------|-----------------------------|-------------------------|----------|-----------|
| Truck No. | | Act 517 | | Ticket | No. | 1495 | 2485 | ~ Verifie Class | d @ Plant 1.5 | ™ Su Mix No. | ipplied by I H1 2069 | Producer | |
| Time Batche | ed | 8:13 | 3 am | $\mathbf{S}_{\mathbf{I}}$ | pecifi | cation | S | Mate | rial | Туре | | Weight | Unit |
| Time Sampl | ed | 8:4: | 3 am | | | | | Cement | | Type I/II | | | lbs |
| Time in Mix | er | 30 | | Min. | Max | k. 90 | | Flyash | | | | | Ibs |
| Slump (1) | | 5.5 | | in. | 1 - (| 5 | in. | Coarse A | ggregate | | _ | | lbs |
| Air Content | (2) | 4.7 | | % | 2.5 | - 4.5 | . % | Fine Agg | gregate | Concrete Sa | and - | | lbs |
| Unit Weight | (3) | N/A | Ā | pcf | N/A | | - | Admixtu | re 1 | | | | ozs |
| Yield | | N/A | 4 | cu.ft | N/A | <u> </u> | | Admixtu | re 2 | | | | ozs |
| Water Adde | d | 0 | | gals | N/A | ` | gals | Admixtu | re 3 | | | | ozs |
| Ambient Te | mp | 79 | | °F | Mir | ı. 40 | - %F | Water | | | | | lbs |
| Concrete Te | mp (4) | 83 | | °F | | x. 95 | - °F | | | | | | 108 |
| Weather | 1 (1) | ■ S | unny | Clo | | | _ | loudy [| Rainy | | | | |
| (1) ASTM C14 | 3 (2) | | M C173 | ASTM | • | | | | 1 Strength | | psi @ | | days |
| (3) ASTM C13 | | | C1064 Cap | | | A STM (| וזכני | ×10 q1 | | 3000 | - psi @ | 28 | - |
| Specimen Size: | . , | | o x 12" ~ | | | | ,1231 | Initial Cur | ing: Field | | | | days |
| General Location | | | | | | | Lane St | a. No. 75+80 | - | rmai Curing: | : Standard (1 | (anks) | |
| | | - Coucie p | | - Committee | aci, Enc | Counc | Lune, 5 | a. 140. 75*60 | 10 82+00 | | | | |
| Sample Location | on: 5 | Sample | ed at 10.0 c | of <u>350.0</u> c | ubic y | ards at S | ta. No. 8 | 0+25, End of | pour | | | | |
| Specimen Mark | Dat Teste | - 1 | Age, Days | Type Fractu | | Diam (iı | | Height, (in) | Area, (Sq.in) | Ultimate Load, (Lbs.) | Compre Strength | | Tested By |
| SET III | | | | | | | | | | | | | |
| 81 | 06-21 | | 7 | 6 | | 5.9 | | 11.98 | 28.18 | 138,460 | 491 | | L. Patel |
| 82 | 06-21 | | 7 | 6 | | 5.9 | | 11.98 | 28.18 | 138,800 | 493 | | L. Patel |
| 83 | 07-12 | | 28 | 5 | | 5.9 | | 11.99 | 28.09 | 162,840 | 580 | | L. Patel |
| 84 | 07-12 | 1 | 28 | pecification 6 | | 5.9 | 98 | 11.99 | 28.09 | 160,320 | 571 | .0 | L. Patel |

Technician: P. Harrold Depart Lab: 3:30 am Arrive Site: 4:00 am Lunch: hrs. Depart Site: 11:30 am Arrive Lab: 12:00 pm Time: Distribution:

City of Flouston - Patricia Jennings, Bryan Castex, Dewey Pruitt, Plachette Williams (email) Grava, LLC - Mike (email)

Invoice (1)

Dindinadh Bollarapu Graduate Engineer

Madhu R. Munirathnam, P.E TBPE Registration No. F-410

The results of this report pertain only to the items and locations tested. This report shall not be reproduced except in full without written approval of Ceotest Engineering, Inc. RCCTD.REP

REPORT OF CONCRETE CYLINDER TEST DATA

(ASTM C 39, ASTM C31, ASTM C511 and ASTM C172)

Project:

Paving and Drainage Improvements on Beechnut Road

Job No.:

11503196-01

Client:

Report No.: Date:

251 B, 1 of 1 06-17-2021

Concrete Producer:

Argos

Fort Bend County c/o RPS Infrastructure, Inc.

No. 157

Contractor:

All Good Construction Co. In

| ~ | NG DATA | | | | | | | MIXI | DESIGN | |
|------------------|----------------|-----------------|----------------------|-------------------|-----------|-------------------|----------------------|-----------------------------|--------------------------------------|-----------|
| Truck No. | - | Actual 4067 | Ticket | | | ~ Verifi Class | ed @ Plant 1.5 SK | ■ S Mix No. | upplied by Produce H1 2069 | er |
| Time Batc | _ | 6:40 am | . s | pecification | S | Mat | erial | Туре | Wei | ght Unit |
| Time Sam | - | 7:45 am | | | | Cement | | Type I/II | | lbs |
| Time in M | lixer | 65 | Min. | Max. 90 | | Flyash | | | | lbs |
| Slump (1) | - | 5.0 | in. | 1-6 | in. | Coarse | Aggregate | | | lbs |
| Air Conter | 1t (2) | 3.4 | % | 2.5 – 4.5 | % | Fine Ag | gregate | Concrete S | and | |
| Unit Weig | ht (3) | N/A | pcf | N/A | | Admixt | | | | lbs |
| Yield | - | N/A | cu.ft | N/A | | Admixt | | | | OZS |
| Water Add | led - | 10 | gals | N/A | gals | Admixt | | | | OZS |
| Ambient T | emp – | 80 | $^{\circ}\mathrm{F}$ | Min. 40 | °F | Water | | | | OZS |
| Concrete T | Temp (4) | 84 | °F | Max. 95 | · °F | 114101 | | | | lbs |
| Weather | - | Sunny | - □ Clo | | | Cloudy | □ Rainy | | | |
| (1) ASTM C1 | | ASTM C173 | | | | | d Strength | | | |
| (3) ASTM CI | | | | hod: ASTM C | 1221 | require | u Strength | | psi @ | days |
| Specimen Siz | | 6" øx 12" ~ | | | 1231 | Initial Cur | ing: Field | 3000 | psi @ 28 | days |
| General Local | | | | | h Bound | | | Final Curing: | Standard (Tanks) 166+50 to 167+45 | |
| | | | | | Dount | - Cittance L | ane to iveignor | ornood Sta. No. | 166+50 to 167+45 | |
| Sample Locat | ion: Sar | npled at 10.0 c | of <u>30.0</u> cu | ibic yards at Sta | ı. No. 16 | 6+80, Begin | ning and Midd | ile of pour. | | |
| Specimen Mark | Date Tested | Age, Days | Type of Fractu | | . ' 1 | Height, (in) | Area, (Sq.in) | Ultimate Load, (Lbs.) | Compressive Strength, (psi) | Tested By |
| SET I 85 | 06-24-2 | | | | | | | | 3-7 (1-2) | |
| | 06-24-2 | | 6 5 | 5.9 | | 11.98 | 28.18 | 141,900 | 5040 | L. Patel |
| | 07-15-2 | | 5 | 5.9 | | 11.98 | 28.18 | 140,850 | 5000 | L. Patel |
| 86 | | | 6 | 5.9 | | 11.98 | 28.18 | 160,000 | 5680 | L. Patel |
| | | 28 | | | - 1 | 11.50 | 28.18 | 162,680 | 5770 | L. Patel |
| 86 87 | 07-15-2 | 28 | | | | | | | | L. Fatel |
| 86 87 88 | 07-15-2 | 28 | | | | | | Concrete P | laced: <u>80.0</u> cu. | |

City of Houston - Patricia Jennings, Bryan Castex, Dowey Pruitt, Plachette Williams (email) Grava, LLC - Mike (email)

Invoice (1)

Dindinadh Bollarapu Graduate Engineer

Madhu R. Munirathnam, P.E.

TBPE Registration No. F-410

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REPORT OF CONCRETE CYLINDER TEST DATA

(ASTM C 39, ASTM C31, ASTM C511 and ASTM C172)

Project:

Paving and Drainage Improvements on Beechnut Road

Job No.:

11503196-01 255 B,1 of 1

Client:

Report No .:

06-21-2021

Concrete Producer:

Technician: L. Patel

Grava, LLC - Mike (email)

Distribution:

Invoice (1)

ACI I/SB 102

City of Houston - Patricia Jennings, Bryan Castex, Dewey Pruitt, Plachette Williams (email)

Dindinadh Bollarapu

Fort Bend County c/o RPS Infrastructure, Inc. Argos

Date:

Contractor:

All Good Construction Co. In Spec. No.:

No. 156 530, 360

| SAMPLIN | G DATA | | | | | | | MIX D | ESIGN | | |
|------------------|---------------|----------------|-------------------|------------------|---------------|-----------------|------------------|-----------------------------|---|----------|----------|
| | | Actual | ent t | | | | ed @ Plant | | ipplied by Produ | icer | |
| Truck No. | _, - | 2 | Ticket | | 4093 | Class | 3000-3 | Mix No. | H1 3805 | | |
| Time Batch | | 11:50 am | . S | pecificatio | ns | Mat | erial | Туре | W | eight | Unit |
| Time Samp | led | 12:10 pm | | | | Cement | | Type I/II | | | lbs |
| Time in Mi | xer | 20 | Min. | Max. 90 | | Flyash | | | *************************************** | | lbs |
| Slump (1) | - | 2.0 | in. | 1.0 - 6.0 | in. | Coarse A | Aggregate | M | | | lbs |
| Air Conten | t (2) | 3.5 | % | 2.5 - 4.5 | - % | Fine Ag | gregate | Concrete S | and | | lbs |
| Unit Weigh | ıt (3) | N/A | pcf | N/A | _ | Admixt | ire 1 | | | | ozs |
| Yield | | N/A | cu.ft | N/A | _ | Admixt | ire 2 | | | | ozs |
| Water Add | ed - | 0 | gals | N/A | gals | Admixt | ire 3 | | | | ozs |
| Ambient To | emp - | 88 | °F | Min. 40 | ⁰F | Water | | | | | lbs |
| Concrete T | emp (4) | 90 | °F | Max. 90 | ∘F | | | | | | 200 |
| Weather | | ■ Sunny | - 🗆 Clo | oudy \square P | | Cloudy | □ Rainy | | , | | |
| (1) ASTM CI | 43 (2) ~ | ASTM C173 | □ ASTI | | · | • | d Strength | | psi @ | | days |
| (3) ASTM C1 | 38 (4) A | STM C1064 Ca | pping Me | thod: ASTM | C1231 | • | | 3000 | psi @ 28 | | days |
| Specimen Size | | ■ 6"øx 12" - | | | | Initial Cu | ring: Field | | : Standard (Tanks |) | - days |
| General Locat | ion: C | urb on Beechn | at road, sta | . no. 82+00 to | 75+80 (I | 3oth sides), 7 | 70+70 to 67+1 | | 5+00 to 59+92 (Nort | | |
| | | 9+92 to 56+05 | | | | | | | 0.00.000 | 11 5100) | |
| Sample Locat | ion: S | ampled at 10.0 | of <u>10.0</u> cı | ibic yards at S | ta. No. 83 | +00 | | | | | |
| Specimen Mark | Date Teste | | Type Fract | | meter, in) | Height, (in) | Area, (Sq.in) | Ultimate Load, (Lbs.) | Compressive Strength, (ps | | ested By |
| SETI | | | | | | | | | | - | |
| 89 | 06-28- | | 5 | | .00 | 12.00 | 28.27 | 108,780 | 3850 | A. | Abrahan |
| 90 | 06-28- | | 5 | | .00 | 12.00 | 28.27 | 105,760 | 3740 | A. | Abrahan |
| 91 | 07-19- | | 6 | | ,99 | 11.98 | 28.18 | 125,280 | 4450 | | L. Patel |
| 92 | 07-19- | 21 28 | 5 | 5 | .99 | 11.98 | 28.18 | 128,030 | 4540 | | Patel |
| | <u> </u> | liance with | | | | | | | Placed: _30.0 | | |

Graduate Engineer TBPE Registration No. F-410 The results of this report pertain only to the items and locations tested. This report shall not be reproduced except in full without written approval of Sex

Arrive Site: 10:30 am

Arrive Lab: 2:00 pm

Madhu R. Munirathnam, P.E.

Lunch:

Time:

hrs.

hrs.

Depart Lab: 10:00 am
Depart Site: 1:30 pm

REPORT OF CONCRETE CYLINDER TEST DATA

(ASTM C 39, ASTM C31, ASTM C511 and ASTM C172)

| Project: | Paving a | and I | Drainage | Improve | ments on I | Beechn | ut Road | | | Job No.: | | 3196-01 |
|---------------------------------------|---|-------|--|---------------------|---|---|-----------------|-------------------------------|-----------------------------|----------------------------------|---------|---|
| Client: Concrete Pr Contractor: | roducer: | Α | ounty c/c argos all Good | | frastructure tion | Plan | it: c. No.: | 149 03315 | | Report No.: Date: | | s, 1 of 1 -2021 |
| SAMPLIN | G DATA | 1 | | | | *************************************** | | | MIXI | DESIGN | | |
| Truck No. | | 174 | | Ticket 1 | - | 52895 | Class | ed @ Plant | ■ S Mix No. | upplied by Pr H1 002093 | 3 | |
| Time Batch | | | 18 pm | . Sp | ecification | us | Mat | erial | Туре | | Weight | Unit |
| Time Samp | | | 8 pm | | | | Cement | | Type I/II | | | lbs |
| Time in Mi | ixer | 60 | | Min. | Max. 90 | | Flyash | | | - | | lbs |
| Slump (1) | | 5.0 | * | in. | 2 - 4 | in. | Coarse A | Aggregate | | | | lbs |
| RCCTD.REP | | 2.5 | * | % | 3 - 5 | % | Fine Ag | gregate | Concrete S | and | | lbs |
| Unit Weigh | nt (3) | N/A | A | pcf | | | Admixt | ire 1 | | - | | ozs |
| Yield | | N/A | 4 | cu.ft | | | Admixtu | ire 2 | | | | ozs |
| Water Add | ed . | 0 | - | gals - | | gals | Admixtu | ire 3 | - | - | | |
| Ambient Te | emp . | 90 | - | • • - | Min. 40 | . ∘F | Water | | | | | OZS |
| Concrete T | emp (4) | 88 | ************************************** | °F - | Max. 90 | . °F | 77 4402 | | | | | lbs |
| Weather | | | Sunny | □ Clou | | | Cloudy [| Rainy | | | | |
| (I) ASTM CI | 43 (2) - | | TM C173 | ASTM | | i titally \ | - | d Strength | | | | |
| (3) ASTM C1: | . , | | | | od: ASTM | CION | Require | a Sirengin | 4000 | psi @ | | days |
| Specimen Size | | | o x 12" ~ | | | C1231 | Initial Cur | ing: Fleld | 4000 | | 28 | days |
| General Locat | | | | | | 50 East E | | | | : Standard (Ta No. 77+00 East | | |
| G1-1 | | | | | | | | | | | - | |
| Sample Locati | ion: S | ample | ed at 10.0 o | of <u>10,0</u> cubi | c yards at Ea | st Bound | 1 at Sta. No. 7 | | T T14' | | | |
| Specimen Mark | Date Teste | | Age, Days | Type o | | neter, n) | Height, (in) | Area, (Sq.in) | Ultimate Load, (Lbs.) | Compres Strength, | | Tested By |
| SET I | 07-01- | 21 | 7 | 2 | - 5 | 98 | 11.99 | 20.00 | 127.000 | 1000 | | |
| 94 | 07-01- | | 7 | 5 | | 98 | 11.99 | 28.09 | 137,000 135,240 | 4880 4810 | | L. Patel |
| 95 | 07-22- | 21 | 28 | 6 | | 98 | 11.99 | 28.09 | 162,280 | 5800 | | L. Patel |
| 96 | 07-22- | 21 | 28 | 5 | 5. | 98 | 11.99 | 28.09 | 163,740 | 5830 | | L. Patel |
| Indicates n | oncomp | liano | oo with a | nooifiaa | dona | | | | | | | |
| | Total 4 In | | | | 10118 | | | | Concrete I | Placed: 10.0 | cu. yds | |
| | A. Mohiu ACI I/ SB Patricia Jenn e (email) | 102 | | D | epart Lab; epart Site; itt, Plachette V | | A | rrive Site: _ rrive Lab: _ | None None | Lunch: Time: | A.O.S. | hrs. |
| nvoice (1) | - | L | Dind | ind | L | 1 | for I'v. | Dans y | y- , | 2100 | 101 | |
| | Ĩ | Dind | linadh Bo | ollarapu | | - | | unirathnam | | 7 2.3 Date | 1 2-1 | MATERIA PROPERTY AND ADDRESS OF THE PARTY AND |

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TBPE Registration No. F-410

Graduate Engineer

5600 Bintliff Drive Houston, Texas 77036 Tel. (713) 266-0588

REPORT OF CONCRETE CYLINDER TEST DATA

(ASTM C 39, ASTM C31, ASTM C511 and ASTM C172)

Project:

Paving and Drainage Improvements on Beechnut Road

Job No.:

11503196-01

Client:

Fort Bend County c/o RPS Infrastructure, Inc.

Report No .: Date:

269 A,1 of 1

Concrete Producer:

Argos

Spec. No.:

Contractor:

All Good Constructions

143

360

07-02-2021

| SAMPLIN | G DATA | | | | | | | MIXI | ESIGN | | |
|------------------|----------------------|----------------|------------------|----------------|---------|--------------------|------------------|-----------------------------|--|-------------|------------|
| Truck No. | _5 | etual 159 | Ticket No | | 92 | ~ Verifie Class | ed @ Plant | Mix No. | applied by Produ H1 000000 20 | icer 169 | |
| Time Batch | ied 4 | :18 am | Spe | cifications | | Mate | erial | Туре | V | eight | — Unit |
| Time Samp | oled 5 | :10 am | • | | | Cement | | Type I/II | | | 1bs |
| Time in Mi | xer 5 | 2 | Min. 1 | Max. 90 | | Flyash | | | | | lbs |
| Slump (1) | 5 | .0 | in. | 1.0 – 6.0 | in. | Coarse A | Aggregate | 1.5 L.S. | | | lbs |
| Air Conten | t (2) 3 | .5 | % 2 | 2.5 – 4.5 | % | Fine Agg | gregate | Concrete S | and | | lbs |
| Unit Weigl | nt (3) N | I/A | pcf _ | | | Admixtu | | | | | ozs |
| Yield | <u> </u> | I/A | cu.ft | | | Admixtu | ıre 2 | | | | OZS OZS |
| Water Add | ed 0 | | gals | | gals | Admixtu | | | | | |
| Ambient To | emp 7 | 7 | | Min. 40 | oF. | Water | | - | MACATAL STATE OF THE STATE OF T | | OZS |
| Concrete T | | 5 | _ | Max. 95 | °F | 77 (10) | | | | | lbs |
| Weather | | Sunny | □ Cloud | | - | Cloudy [| Rainy s | Clear | | | |
| (1) ASTM C1 | | STM C173 | ASTM C | • | ally C | | • | ı Clear | | | |
| | | | | | | Required | d Strength | | psi @ | | days — |
| (3) ASTM C1 | | | | l: ASTM C12 | 231 | | | 3000 | psi @28 | | days |
| Specimen Size | | | 4"ø x 8" ~ | | | Initial Cur | | | Standard (Tanks | | |
| General Locat | ion: Bee | hnut Road a | t Sta. No. 59- | +49 to 58+00 N | vledian | Drive way N | No. 9, Sta. No | . 63+93, Drive w | yay No. 1, Sta. No. 5 | 0+50 | |
| Sample Locat | ion: Sam | pled at 10.0 c | f 70.0 cubic | vards at | | | | | | | |
| Specimen Mark | Date Tested | Age, Days | Type of Fracture | Diamet | er, | Height, (in) | Area, (Sq.in) | Ultimate Load, (Lbs.) | Compressive Strength, (ps | | Tested By |
| SET I | | | | | | | | | 0 71 | | |
| 97 | 07-09-21 | 7 | 5 | 5.99 | | 11.98 | 28.18 | 131,580 | 4670 | | L. Patel |
| 98 | 07-09-21 07-30-21 | | 6 | 5.99 | | 11.98 | 28.18 | 136,220 | 4830 | | L. Patel |
| 100 | 07-30-21 | | | | | | | | | | |
| 100 | 01-30-21 | 20 | | | | | | | | | |

Technician: B, Dilala Depart Lab: 3:30 am Arrive Site: 4:00 am Lunch: hrs. ACI I/ SB 101/102 Depart Site: 7:00 am Arrive Lab: 7:30 am Time: hrs.

City of Houston - Patricia Jennings, Bryan Castex, Dewey Pruitt, Plachette Williams (email) Grava, LLC - Mike (email)

Invoice (1)

Dindinadh Bollarapu Graduate Engineer

Madhu R. Munirathnam, P.E.

TBPE Registration No. F-410

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REPORT OF CONCRETE CYLINDER TEST DATA

(ASTM C 39, ASTM C31, ASTM C511 and ASTM C172)

| Proj | ect | |
|------|-----|---|
| riol | CCI | • |

Paving and Drainage Improvements on Beechnut Road

Job No.:

11503196-01

Client:

Fort Bend County c/o RPS Infrastructure, Inc.

Report No.:

269 B,1 of 1

Concrete Producer:

Date:

07-02-2021

Argos

Plant:

143

Contractor:

All Good Constructions

Spec No:

360

| SAMPLIN | G DATA | 1 | | - | | | | MIX D | ESIGN | | |
|--|--|--|--|--|---|---------------------------------------|---|--|---|---|--|
| Truck No. Time Batch | ned . | Actual 5159 4:18 am | Ticket i | No. 1495 | | ~ Verifie Class Mate | ed @ Plant erial | | H1 0000 | | t Unit |
| Time Samp | oled . | 5:10 am | - ^ | | | Cement | | Type I/II | | W Cigh | lbs |
| Time in Mi | | 52 | Min. | Max. 90 | | Flyash | | | | | lbs |
| Slump (1) | | 5.0 | in. | 1.0 - 6.0 | in. | - | Aggregate | 1.5 L.S. | | | lbs |
| Air Content | t (2) | 3.5 | - % | 2.5 – 4.5 | - % | Fine Agg | | Concrete Sa | and | | lbs |
| Unit Weigh | | N/A | pcf | | - 70 | Admixtu | | | | | |
| Yield | | N/A | cu.ft | | - | Admixtu | | | | | OZS |
| Water Adde | ed . | 0 | gals | | - colo | Admixtu | | ***** | | | OZS |
| Ambient Te | | 77 | - _{°F} | Min. 40 | gals - °F | Water | 110 5 | | *************************************** | | OZS |
| Concrete To | | 85 | - °F . | Max. 95 | - •F | vv atci | | | | | lbs |
| Weather | | □ Sunny | _ □ Clou | | _ | Cloudy E | Rainy m | Clear | | | |
| (1) ASTM CI | 43 (2) | ASTM C173 | ASTM | - | tiany C | - | d Strength | Clear | mai @ | | , |
| | | ABIM CITS | AGTM | 0231 | | redune | 1 Suchgin | | psi @ | | days |
| (3) A STM C13 | 38 (4) A | STM C1064 Ce | nning Meth | ACTM | 31221 | | | 2000 | — mai @ | - 20 | |
| (3) ASTM C1: | | STM C1064 C | | | C1231 | Initial Com | ing Field | 3000 | psi @ | 28 | days |
| (3) ASTM C1: Specimen Size General Locat | e; | ■ 6" ø x 12" - | ~4"ø x 8" ~ | ~ 3"øx6" | | Initial Cur | | Final Curing: | Standard (| Tanks) | The state of the s |
| Specimen Size | e; | ■ 6" ø x 12" - | ~4"ø x 8" ~ | ~ 3"øx6" | | | | | Standard (| Tanks) | The state of the s |
| Specimen Size | e: Etion: E | ■ 6" ø x 12" - | ~ 4"ø x 8" ~ at Sta. No. 5 | ~ 3" ø x 6" i9+49 to 58+0 | | | | Final Curing: | Standard (| Tanks) | The state of the s |
| Specimen Size General Locat | e: Etion: E | e Age, | 4"ø x 8" on t Sta. No. 5 of 70.0 cub | 3" Ø x 6" 69+49 to 58+0 ic yards at Of Diam | 0 Median | | | Final Curing: | Standard (| Tanks) . No. 50+50 essive | |
| Specimen Size General Locat Sample Locati Specimen Mark SET I | ion: E | eechnut Road a ampled at 10.0 Age, Days | of 70.0 cub Type of Fractu | 3" Ø x 6" 69+49 to 58+0 ic yards at Of Diam | 0 Median | n Drive way h | No. 9, Sta. No | Final Curing: . 63+93, Drive w Ultimate Load, | Standard (| Tanks) . No. 50+50 essive | |
| Specimen Size General Locat Sample Locati Specimen Mark SET I 97 | ion: E ion: S Date Teste | eechnut Road anneled at 10.0 eech Age, d Days | 4"ø x 8" of the state of the st | 3" Ø x 6" 9+49 to 58+0 ic yards at of Diam re (i | 0 Median | Height, (in) | Area, (Sq.in) | Final Curing: . 63+93, Drive w Ultimate Load, (Lbs.) | Standard (| Tanks) . No. 50+50 essive h, (psi) | |
| Specimen Size General Locat Sample Locati Specimen Mark SET I 97 98 | ion: E ion: S Date Teste 07-09- 07-09- | ampled at 10.0 de Age, d Days 21 7 21 7 | Type of Fractu | 3" Ø x 6" 99+49 to 58+0 ic yards at of Diam re (ii | 0 Median | Height, (in) 11.98 11.98 | Area, (Sq.in) 28.18 | Final Curing: . 63+93, Drive w Ultimate Load, (Lbs.) 131,580 136,220 | Compr Strengtl | Essive h, (psi) | Tested By L. Patel L. Patel |
| Specimen Size General Locat Sample Locati Specimen Mark SET I 97 | ion: E ion: S Date Teste | eechnut Road a ampled at 10.0 e Age, d Days 21 7 21 7 21 28 | 4"ø x 8" of the state of the st | - 3" ø x 6" io yards at of Diam re (i) 5 5 | 0 Median | Height, (in) | Area, (Sq.in) | Final Curing: . 63+93, Drive w Ultimate Load, (Lbs.) | Compr Strengtl | essive h, (psi) | L. Patel L. Patel L. Patel |
| Specimen Size General Locat Sample Locati Specimen Mark SET I 97 98 99 100 | ion: S Date Teste 07-09- 07-30- 07-30- | ampled at 10.0 c d Age, d Days 21 7 21 7 21 28 21 28 | Type of Fractu 5 6 6 6 | 3" Ø x 6" io yards at of Diamre (i) 5.5 5.5 5.6 | 0 Median | Height, (in) 11.98 11.98 11.99 | Area, (Sq.in) 28.18 28.18 | Final Curing: . 63+93, Drive w Ultimate Load, (Lbs.) 131,580 136,220 152,190 155,180 | Compr Strengtl | essive h, (psi) 70 30 20 | L. Patel L. Patel L. Patel L. Patel L. Patel |
| Specimen Size General Locat Sample Locati Specimen Mark SET I 97 98 99 100 | ion: S Date Teste 07-09- 07-30- 07-30- | ampled at 10.0 c d Age, d Days 21 7 21 7 21 28 21 28 | Type of Fractu 5 6 6 6 | 3" Ø x 6" io yards at of Diamre (i) 5.5 5.5 5.6 | 0 Median | Height, (in) 11.98 11.98 11.99 | Area, (Sq.in) 28.18 28.18 | Final Curing: . 63+93, Drive w Ultimate Load, (Lbs.) 131,580 136,220 152,190 | Compr Strengtl | essive h, (psi) 70 30 20 | L. Patel L. Patel L. Patel L. Patel |
| Specimen Size General Locat Sample Locati Specimen Mark SET I 97 98 99 100 Findicates n Remarks: | ion: S Date Teste 07-09- 07-30- 07-30- noncomp | ampled at 10.0 c d Age, d Days 21 7 21 7 21 28 21 28 | Type of Fractu 5 6 5 6 specifica | 3" Ø x 6" io yards at of Diamre (i) 5.5 5.5 5.6 | 0 Median | Height, (in) 11.98 11.98 11.99 11.99 | Area, (Sq.in) 28.18 28.18 | Final Curing: . 63+93, Drive w Ultimate Load, (Lbs.) 131,580 136,220 152,190 155,180 | Compr Strengtl | essive h, (psi) 70 30 20 | L. Patel L. Patel L. Patel L. Patel |
| Specimen Size General Locat Sample Locati Specimen Mark SET I 97 98 99 100 Findicates n Remarks: | ion: E ion: E ion: S Date Teste 07-09- 07-30- 07-30- B. Dilala ACI I/ SE | ampled at 10.0 ampled | Type of Fractu 5 6 5 6 5 6 5 6 5 6 6 6 6 6 6 6 6 6 6 | 3" Ø x 6" 19+49 to 58+0 10 pards at of Diam (i) 5 5 5 10 part Lab: Depart Lab: Depart Lab: | 0 Median neter, n) 99 99 99 3:30 a 7:00 a | Height, (in) 11.98 11.98 11.99 11.99 | Area, (Sq.in) 28.18 28.18 28.18 28.18 | Final Curing: . 63+93, Drive w Ultimate Load, (Lbs.) 131,580 136,220 152,190 155,180 Concrete P | Compr Strengtl 46° 48: 54: 55° | essive h, (psi) 70 30 20 10 0.0 cu. yds | Tested By L. Patel L. Patel L. Patel S hrs. |

The results of this report pertain only to the items and locations tested. This report shall not be reproduced except in full without written approval of Geotest Engineering, Inc. RCCTD.REP

TBPE Registration No. F-410

Graduate Engineer

REPORT OF CONCRETE SAMPLE PICK-UP (ASTM C31)

Project: Client:

Paving and Drainage Improvements on Beechnut Road

Job No.:

11503196-01

Fort Bend County c/o RPS Infrastructure, Inc.

Report No.:

270

Contractor:

All Good Constructions

Date:

07-03-2021

On 07-03-21, a total of four (04) cylinders, cast on 07-02-21, were picked up at the jobsite and delivered to the laboratory for processing.

Min. 74°F, Max. 97°F* Temperature MTE # 6-11

Note: Normal strength concrete initial (field) curing temperature should be: 60 – 80 °F High early strength concrete (6000 psi and higher) should be: 68 – 78 °F

*Indicates non-compliance with ASTM requirements.

ACI I/SB 101/102

Remarks:

Technician: B. Dilala

Depart Lab: Depart Site: 11:30 am 12:30 pm

Arrive Site: 12:00 pm

Arrive Lab: 1:00 pm

Lunch: Time:

Distribution:

Masterworks - Upload

Invoice (1)

Dindinadh Bollarapu Graduate Engineer

TBPE Registration No. F-410

The results of this report pertain only to the items and locations tested. This report shall not be reproduced except in full without written approval of Geotest Engineering, Inc. RCSPU.REP

REPORT OF FIELD DENSITY

(ASTM D6938, ASTM D2487 & TEX 115E)

Project:

Paving and Drainage Improvements on Beechnut Road

Client:

Fort Bend County c/o RPS Infrastructure, Inc.

Contractor:

All Good Constructions

Job No.:

11503196-01

Report No.: Date:

271 07-07-2021

Soil Description:

Lime Treated Sub Grade

Curve No.:

02

MDD:

73.7

pcf

43.2

%

Specification:

Item 220

Moisture Tolerance:

0, +3 % of OMC

Moisture

Model:

3440

Serial No.: 25972

Standard Counts Density 1892

OMC:

624

Unless otherwise specified Dry Density and Moisture Content are in accordance with ASTM D6938.

| | | | | L | Specification F | Requirements |
|-----------|--|-----------|-------|------------------|-------------------------|-----------------------|
| Γest No. | | | | | 43.2 – 46.2 | 95+ |
| l est No. | Location | Elev, ft. | Lift | Dry density, pcf | In-place Moisture, % | Percent Compaction |
| | Paving Improvements, Lime Treated Sub Grade East Bound Lane, Beechnut Street, Station No. 72+20 to 75+00 | | | | | |
| 434 | Station No. 72+30 | - 1 | Final | 72.7 | 43.3 | 98.7 |
| 435 | Station No. 73+80 | - 1 | Final | 71.6 | 44.9 | 97.2 |
| 436 | Station No. 74+50 | - 1 | Final | 70.9 | 45.8 | 96.2 |
| | | | | | | |
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| | | | | | | |
| | | | | | | |
| ndianto | s noncompliance with specifications | | | | | |

-Indicates noncompliance with specifications.

ACI I/SB 101/102/TxDOT 1B

Remarks:

Technician:

M. Blackmon

Depart Lab: Depart Site:

10:30 an 4:30 pm Arrive Site: Arrive Lab:

11:00 am 5:00 pm

Lunch: 0.5 hrs. Time: 6.0

Distribution: Masterworks - Upload Invoice (1)

> Dindinadh Bollarapu Graduate Engineer

Madhu R. Munirathnam, P.E.

TBPE Registration No. F-410

Additional information requested to be reported by ASTM is provided in the project file
The results of this report pertain only to the items and locations tested. This report shall not be reproduced except in full without written approval of Geotest Engineering. Inc.

REPORT OF DEPTH CHECK

| | out of being the check | | |
|---|---|----------------------------------|----------------------------------|
| Project: Client: Contracto | Fort Bend County c/o RPS Infrastructure, Inc. | Job No.; Report No.; Date: | 11503196-01 272 07-07-2021 |
| Specification | on: TxDOT Item 220 | | |
| Material De | escription: <u>Lime Treated Sub Grade</u> | | |
| Method: | G Coring G Auger Excavation | | |
| Layer Chec | eked: G Base G Subbase 🛭 Subgrade | | |
| | REQUIRED | DEPTH: | 8" |
| Core No. | | | |
| | Location East Bound Lane, Beechnut Road, Sta. No. 72+00 to 75+00 | | Depth, in. |
| 1 | Station No. 72+20 | | |
| | | | 8'' |
| 2 | Station No. 73+50 | | 8'' |
| 3 | Station No. 75+00 | | 8" |
| | | | |
| | | | |
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| | · | | |
| | | | |
| *-Indicates Remarks: | noncompliance with specifications. | | |
| Technician: | M. Blackmon Depart Lab: Arrive Site: ACI I/ SB 101/102/TxDOT IB Depart Site: Arrive Lab: | Lunch: Time: | hrs. A.O.S. hrs. |
| Distribution: Masterworks - Invoice (1) | Upload | | |
| | , , , , | | |

The results of this report pertain only to the items and locations tested. This report shall not be reproduced except in full without written approval of Quotest Engineering, Inc. RDC.REP

Dindinadh Bollarapu Graduate Engineer Madhu R. Munirathnam, P.E.

TBPE Registration No. F-410/

DAILY INSPECTION REPORT – PROOF ROLLING

| Project: Client: Contractor: | Paving and Drainage Improvement Fort Bend County c/o RPS Infrastr All Good Constructions | ts on Beechnut Road ucture, Inc. | Job No.: Report No.: Date: | 11503196-01 273 07-12-2021 |
|------------------------------------|--|--|---|----------------------------------|
| Reported to | the referenced project to observ | ve the contractor proof ro | ll the sub grade at the | following locations |
| West Bound F | intrance into grand vista hills lane, st | ation no. 66+50 to 65+55, NV | V section | |
| The proof ro | olling was performed utilizing | a fully loaded truck with | soil. | |
| ~ 1) T | here were no soft or loose zone | es detected in these areas | S. | |
| 2) | There were soft or loose zones | detected on | | |
| | Station no. 66+40 & station no | o. 66+00 | | |
| a) ' | The contractor intends to under | r-cut the sub grade let it | dry out then re compa | act. |
| ~ b) ' | The contractor intends to stabil | lize the sub grade. | | |
| Remarks: | Notified results to the inspe | ctor Woodford Lusk. | | |
| | CI I/SB 101-102 Depart Site: 3 | 2:00 pm Arrive Site: :00 pm Arrive Lab: | 12:30 pm Lunch 3:30 pm Time : | |
| | Dindinadh Bollarapu Graduate Engineer | Madhu R. Munirathna TBPE Registration N | | 7/3/21 |

The results of this report pertain only to the items and locations tested. This report shall not be reproduced except in full without written approval of Geotest Engineering, Inc.

REPORT OF FIELD DENSITY

(ASTM D6938, ASTM D2487 & TEX 115E)

Project:

Paving and Drainage Improvements on Beechnut Road

Client:

Fort Bend County c/o RPS Infrastructure, Inc.

Job No.: Report No .: 11503196-01

Contractor:

All Good Constructions

Date:

07-12-2021

274

Soil Description:

Dark Gray Fat Clay

Curve No .:

04

MDD:

83.6 pcf OMC:

33.9

Specification:

02317

Moisture Tolerance:

0, + 5% of OMC

Model:

5001 EZ

Serial No.: 9684

Standard Counts Density 3260

Moisture

360

Unless otherwise specified Dry Density and Moisture Content are in accordance with ASTM D6938.

| | | | | | Specification R | equirements |
|----------|--|-----------|-------|---------------------|-------------------------|-----------------------|
| Test No. | | | | | 33.9 – 38.9 | 95 + |
| restino. | Location | Elev, ft. | Lift | Dry density, pef | In-place Moisture, % | Percent Compaction |
| | Sub-Grade for Drive Way No. 01 at Station No. 49+93 to 50+53 (East half) | | | | | |
| 437 | Station No. 50+50 | S.G. | Final | 82.4 | 34.6 | 98.6 |
| 438 | Station No. 50+25 | S.G. | Final | 81.9 | 35.6 | 98.0 |
| | Sub-Grade for paving at Drive Way No. 07 at Station No. 44+12 to 45+12 at North Side West Bound Lane | | | | | 76.0 |
| 439 | Station No. 44+14 | S.G. | Final | 82.6 | 35.6 | 98.8 |
| 440 | Station No. 44+50 | S.G. | Final | 82.8 | 34.9 | 98.1 |
| | | | | | | |
| Indiact | es noncompliance with specifications. | | | | | |

Remarks: S.G.=Sub-Grade

Technician: T. Mezgebe

Depart Lab: ---ACII/SB101/102/TxDOT1B Depart Site: _---

Arrive Site: ---Arrive Lab: ---

Lunch:

Time:

hrs.

Distribution:

Masterworks - Upload Invoice (1)

> Dindinadh Bollarapu Graduate Engineer

Madhu R. Munirathnam, P.E. TBPE Registration No. F-410

Additional information requested to be reported by ASTM is provided in the project file
The results of this report pertain only to the items and locations tested. This report shall not be reproduced except in full without written approval of Geotest Engineering, Inc.

REPORT OF JOB CANCELLATION

| Project: Client: Contractor: | Paving and Drainage Improvements on Beechnut Road Fort Bend County c/o RPS Infrastructure, Inc. All Good Constructions | Job No.: Report No.: Date: | 10503196-01 275 07-13-2021 |
|---|--|----------------------------------|----------------------------------|
| Supplier: | | | |
| On <u>07-13-2</u> Density and | 21, a Geotest Engineering representative was present at the above refe d Proof roll. | erenced proj | ect to perform |
| The job wa | s cancelled due to the following reason: | | |
| | Rain and bad weather | | |
| | Contractor not ready | | |
| | Equipment breakdown | | |
| | Work placed on hold from 10:30 am to 2:00 pm | | |
| | Other | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | M. Blackmon Depart Lab: 10:00 am Arrive Site: 10:30 am ACI I/ SB 102/TxDOT IB Depart Site: 2:00 pm Arrive Lab: 2:30 pm | Lunch: Time: 4.5 | hrs. |
| Distribution: Masterworks - I Invoice (1) | Upload 0 f d | | |
| | Dindinadh Bollarapu Graduate Engineer Madhu R. Munirathnam, P.E. TBPE Registration No. F-410/ | Date | 115/21 |
| , | | | |

The results of this report pertain only to the items and locations tested. This report shall not be reproduced except in full without written approval of Geotest Engineering, Inc. RIC. REP

REPORT OF FIELD DENSITY

(ASTM D6938, ASTM D2487 & TEX 115E)

Project:

Paving and Drainage Improvements on Beechnut Road

Client: Contractor: Fort Bend County c/o RPS Infrastructure, Inc.

All Good Construction

Job No.:

11503196-01

Report No .:

Date:

276 07-14-2021

Soil Description:

1.5 SK /7 % Cement Stabilized Sand (Cherry Plant No. 06)

Curve No .:

01

MDD:

107.5 pcf OMC:

14.0 %

1896

Specification:

02321

Moisture Tolerance:

 \pm 3 % of OMC

Model:

3440

Serial No.: 25972

Standard Counts Density

Moisture

623

Unless otherwise specified Dry Density and Moisture Content are in accordance with ASTM D6938.

| | | | | | Specification R | equirements |
|----------|---|-----------|------|---------------------|-------------------------|-----------------------|
| | | | | | 11.0 - 17.0 | 95+ |
| Test No. | Location | Elev, ft. | Lift | Dry density, pcf | In-place Moisture, % | Percent Compaction |
| | Paving Improvements Driveway Installation at Station No. 50+53 to 44+12 | | | | | |
| 441 | 5' S from Very Center at Station No. 50+53 | - 1.5 | L1 | 102.6 | 13.3 | 95.4 |
| 442 | 5' N from Very Center at Station No. 50+53 | - 1.0 | L2 | 104.2 | 12.8 | 96.9 |
| 443 | 7' S from Very Center at Station No. 44+12 | - 1.5 | L1 | 102.8 | 12.7 | 95.6 |
| 444 | 7' N from Very Center at Station No. 44+12 | ~ 1.0 | L2 | 104.6 | 12.3 | 97.8 |
| | | | | | | |
| | | | | | | |
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| | | | | | | |
| * India | rates noncompliance with specifications | | L | | | |

*-Indicates noncompliance with specifications.

Remarks:

Technician:

M. Blackmon

Depart Lab: 9:30 am

ACII/SB102/101/TxDOT1B Depart Site: 5:00 pm

Arrive Site: 10:00 am

Arrive Lab: 5:30 pm

Lunch: 0.5 Time: 7.5

hrs. hrs.

Distribution:

Masterworks Invoice (1) Upload

Graduate Engineer

TBPE Registration No. F-41

Additional information requested to be reported by ASTM is provided in the project file
The results of this report pertain only to the items and locations tested. This report shall not be reproduced except in full without written approval of Geotest Engineering, Inc.
RFD-R.REP

REPORT OF CONCRETE CYLINDER TEST DATA (ASTM C 39, ASTM C31, ASTM C511 and ASTM C172)

| | | | | (NO III | 1 (3: | , 451. | W C31 | , ASIM C | off and A | STM C172) | | | |
|--|------------------|---|-----------------|---------------------------|---------|-------------|-----------|-----------------|------------------|-----------------------------|----------------------|---------|-------------------|
| Project: Paving and Drainage Improvements on Beechnut Road | | | | | | | | | | Job No.: | | 3196-01 | |
| Concrete Pr Contractor: Dispatch No | 0. | All C Argo All C | Good (on | RPS In Construc | ctions | | Plant | o. No.: 360 | | | Report No.; Date: | | A,1 of3 6-2021 |
| SAMPLIN | G DATA | 1 | | | | | | | | MIXI | DESIGN | | |
| Truck No. | | Actual ~ Verified @ Plant ■ Supplied by Prod 62652 Ticket No. 14953303 Class 1.5 LS Mix No. H1 000000 2 | | | | | | | | | | | |
| Time Batch | ied | 4:31 a | m | $\mathbf{S}_{\mathbf{I}}$ | pecifi | cation | S | Mate | rial | Туре | | Weigh | t Unit |
| Time Samp | led | 5:23 a | m | | | | | Cement | | Type I/II | | | 1bs |
| Time in Mi | xer | 52 | | Min. | Max | x. 90 | | Flyash | | | | | lbs |
| Slump (1) | | 5.5 | | in. | 1.0 | - 6.0 | in. | Coarse A | ggregate | Pun | | | lbs |
| Air Content | t (2) | 3.5 | | % | 2.5 | - 4.5 | % | Fine Agg | regate | Concrete S | and | | 1bs |
| Unit Weigh | nt (3) | N/A | | pcf | N/A | L | | Admixtu | re 1 | | | | OZS |
| Yield | | N/A | | cu.ft | N/A | <u> </u> | | Admixture 2 | | - | | | ozs |
| Water Add | ed . | | | gals | N/A | <u> </u> | gals | Admixtu | re 3 | | | | ozs |
| Ambient Te | emp . | 79 | | $^{\mathrm{o}}\mathrm{F}$ | Mir | n. 40 | °F | Water | | | | | Ibs |
| Concrete T | emp (4) | 85 | | ٥F | Ma | x. 90 | ۰F | | | | | | 100 |
| Weather | | □ Sun | ny | □ Clou | ıdy | ■ Par | ially C | loudy 🗆 | Rainy | | | | |
| (1) ASTM C1 | 43 (2) | - ASTM (| C173 | ASTM | C231 | | | Required | Strength | | psi @ | | days |
| (3) ASTM C1: | 38 (4) A | STM C10 |)64 Cap | ping Met | hod: | ASTM C | 1231 | | | 3000 | psi @ | 28 | days |
| Specimen Size | e; 1 | ≡ 6" ø x ! | 12" ~ | 4"ø x 8" | ~ 3" ø | x 6" | | Initial Curi | ng: Field | Final Curing | Standard (Ta | inks) | |
| General Locat | tion: B | Beechnut I | Road Ea | ıst Bound | Lane, | Sta. No. | 72+00 t | o 75+80 Pavi | ng and | | | | |
| | - | | | 3.L. at Sta | | | | 7.7.4. | | | | | |
| Sample Locat | ion; S | ampled a | t <u>10.0</u> 0 | f <u>100.0</u> ct | ibic ya | rds at St | a, No. 73 | 8+10, (Paving |) , | | | | |
| Specimen Mark | Date Teste | | Age, Days | Type Fractu | | Diam (in | , | Height, (in) | Area, (Sq.in) | Ultimate Load, (Lbs.) | Compres Strength, | | Tested By |
| SET I | 07.00 | 01 | | | | | | | | | | | |
| 101 | 07-23- 07-23- | | 7 | 5 | | 5,9 | | 11.99 | 28.18 | 156,430 | 5550 | | L. Patel |
| 102 | 08-13- | | 28 | 5 | | 5,9 | עי | 11.99 | 28.18 | 155,760 | 5530 | | L. Patel |
| 104 | 08-13- | | 28 | | - | | | | | | | | |
| | | | | | | | | | | | | i | |

| indicates noncompliance with specifications | Concrete Placed: 300 cu. yds |
|---|------------------------------|
| Remarks: | |
| | |
| | |

[/]The results of this report pertain only to the items and locations tested. This report shall not be reproduced except in full without written approval of Geotest Engineering, Inc. RCCTD,REP

REPORT OF CONCRETE CYLINDER TEST DATA

(ASTM C 39, ASTM C31, ASTM C511 and ASTM C172)

| Client: Concrete Pr Contractor: | Client: Fort Bend County c/o RPS Infrastructure, Inc. Concrete Producer: All Good Constructions Plant: 149 Contractor: Argon Spec. No.: 360 Dispatch No. All Good Construction | | | | | | | | Job No.: Report No.: Date: | | 196-01 , 2 of 3 2021 |
|---------------------------------------|--|--------------|---------------------------|-----------------|-----------|--------------|----------------------|-----------------|----------------------------------|--------|----------------------------|
| SAMPLIN | | | | | | | | MIXI | ESIGN | | |
| Truck No. | 62 | ctual 252 | Ticket | No. 1495 | 3313 | ~ Verific | ed @ Plant 1.5 LS | ■ St Mix No. | upplied by Pro H1 000000 | | |
| Time Batch | ned 6: | 00 am | $\mathbf{S}_{\mathbf{j}}$ | pecification | 18 | Mate | erial | Туре | | Weight | Unit |
| Time Samp | oled 7: | 00 am | • | | | Cement | | Type I/II | | | 1bs |
| Time in Mi | xer 60 |) | Min, | Max. 90 | | Flyash | | | | | lbs |
| Slump (1) | 5. | 5 | in. | 1.0 6.0 | in. | Coarse A | Aggregate | | | | 1bs |
| Air Conten | t (2) 4. | 0 | · % | 2.5 - 4.5 | - % | Fine Ag | | Concrete S | and | | lbs |
| Unit Weigh | nt (3) N | /A | pcf | N/A | - / | Admixtu | | | | | - |
| Yield | . N | | cu.ft | N/A | - | Admixtu | | - | | | ozs |
| Water Add | | | gals | N/A | 1 | Admixtu | | - | <u> </u> | | ozs |
| Ambient To | | | · °F | Min. 40 | gals | | 116.3 | | | | ozs |
| Concrete T | • | | · °F | Max. 90 | •F | Water | | | | | lbs |
| | | | | | °F | | | | | | |
| Weather | | Sunny | | udy ■ Pa | rtially C | | | | | | |
| (1) ASTM C1 | | STM C173 | | C231 | | Require | d Strength | | psi @ | | days |
| (3) ASTM C1 | 38 (4) ASTN | И С1064 Сај | pping Met | hod: ASTM | C1231 | | | 3000 | psi @ 2 | 28 | days |
| Specimen Size | | "øx12" ~ | | | | | ing: <u>Field</u> | Final Curing | : Standard (Tar | nks) | |
| General Locat | tion: Beec | hnut Road, 1 | Bast Bound | d Lane, Sta. N | o. 72+00 | to 75+80 Pay | /ing | | | | |
| Sample Locat | ion' Sam | aled at 10.0 | of 100 0 a | able yards at S | ta No. 76 | 5+50 (Parile | -\ | | | | |
| | | | | | | | | Ultimate | <u> </u> | | |
| Specimen Mark | Date Tested | Age, Days | Type Fractu | | neter, | Height, (in) | Area, (Sq.in) | Load, (Lbs.) | Compress | | Tested By |
| SET II | | | 114000 | 10 (1 | **/ | | 1 | (===,) | Strength, (| (p81) | |
| 105 | 07-23-21 | 7 | 5 | 5. | 99 | 11.99 | 28.18 | 140,810 | 5000 | | L. Patel |
| 106 | 07-23-21 | 7 | 5 | 5. | 99 | 11.99 | 28.18 | 141,150 | 5010 | | L. Patel |
| 107 | 08-13-21 | 28 | | | | | | | | | |
| 100 | 08-13-21 | 28 | | | | | | | | | |
| *Indicates n | oncomplia | nce with s | necifica | | | | | Congreta I | Placed: 300.0 | | |

| | noncompliance with specifications | , | Concrete Placed: 300.0 cu. yds |
|----------|-----------------------------------|---|--------------------------------|
| Remarks: | | | |
| | | | |

[/]The results of this report pertain only to the items and locations tested. This report shall not be reproduced except in full without written approval of Geotest Engineering, Inc.
RCCTD.REP

REPORT OF CONCRETE CYLINDER TEST DATA

(ASTM C 39, ASTM C31, ASTM C511 and ASTM C172)

| Project: | Paving a | and Drainag | ge Improven | nents on Bo | eechnu | ıt Road | | | Job No.: | | 196-01 |
|--|------------------------|------------------|--|----------------|------------------------|-----------------|---------------------------|-----------------------------|-----------------------------|----------------|-------------------|
| Client: Concrete Processing Contractor: Dispatch N | roducer: | All Goo Argos | c/o RPS Infr d Construct d Construct | ons | Inc. Plant Spec. | - | 149 360 | | Report No.: Date: | 277 A 07-16 | , 3 of 3 -2021 |
| SAMPLIN | | | | | | | | MIX D | ESIGN | | |
| Truck No. | | Actual 1719 | Ticket No | | | ~ Verifie | ed @ Plant 1.5 LS | | upplied by Pro H1 000000 | | |
| Time Batch | ned | 6:41 am | Spe | cifications | 6 | Mate | erial | Type | | Weight | Unit |
| Time Samp | led | 7:55 am | | | | Cement | | Type I/II | | | lbs |
| Time in Mi | xer | 74 | Min. | Max. 90 | | Flyash | | | | | lbs |
| Slump (1) | | 5.0 | in. | 1.0 – 6.0 | in. | Coarse A | aggregate | | | | lbs |
| Air Conten | t (2) | 4.0 | % | 2.5 – 4.5 | % | Fine Agg | gregate | Concrete S | and | | lbs |
| Unit Weigh | nt (3) | N/A | pcf 1 | V/A | | Admixtu | re 1 | | | | ozs |
| Yield | | N/A | cu.ft | V/A | | Admixtu | re 2 | | - | | OZS |
| Water Add | ed | | gals | N/A | gals | Admixtu | re 3 | | | **** | - |
| Ambient To | emp | 81 | - °F | Min. 40 | ٥F | Water | | | | | OZS |
| Concrete T | emp (4) | 83 | | Max. 90 | °F | ., | | | | | lbs |
| Weather | | □ Sunny | □ Cloud | | | loudy = | Rainy | | | | |
| (I) ASTM CI | 43 (2) ~ | ~ ASTM C173 | | | | • | l Strength | | ngi 🙉 | | |
| (3) ASTM CI | | | apping Metho | | 1231 | roquiroc | Guongui | 3000 | _ psi @ | 0 | days |
| Specimen Size | | | ~ 4"ø x 8" ~ | | 231 | Initial Curi | ng Field | | psi @ 28 | | days |
| General Locat | | | East Bound La | | 72+00 to | | - | i mai cai mg. | Standard (Tan | KS) | |
| | E | Drive way on V | V.B.L. at Sta. N | lo. 44+12 to : | 50+53 | | | | | | |
| Sample Locati | ion: S | ampled at 10.0 | of <u>230.0</u> cubi | yards at Sta | . No. 44 | +12. (Drive | way) | | | | |
| Specimen Mark | Date Teste | 0- | | | | Height, (in) | Area, (Sq.in) | Ultimate Load, (Lbs.) | Compressi Strength, (1 | | Tested By |
| SET I 109 | 07-23- | 21 7 | 5 | 5.99 | 0 | 11.99 | 20.10 | 145.500 | | | |
| 110 | 07-23- | | 5 | 5.99 | | 11.99 | 28.18 | 145,580 148,420 | 5170 5270 | | L. Patel |
| 111 | 08-13- | | | | | | 20.10 | 170,720 | | | L. Patei |
| 112 | 08-13- | 21 28 | | | | | | | | | |
| *Indicates n | oncomp | liance with | specificati | ne - | L | | | <i>C</i> | 1 1 200 0 | | |
| Remarks: | | | | 0113 | | | | Concrete P | laced: 300.0 | _ cu. yds | |
| | B. Dilala ACI I/ SE | | De | part Site: | | m A | rrive Site: rrive Lab: | 3:45 am 9:45 am | Lunch: Time: | 6.5 | hrs. |
| Invoice (1) | ~ (cutaii) | Mark. | · ~?. | | į | . / | . // - | ^ | | | |
| | | Dindinadh | Bollaranu | | Mo | P. Hour | In the same | tiv PE | 07-21 | -21 | - |
| | | - | | | *** | | were ce of late of 11 | , I . I | Date | , | |

The results of this report pertain only to the items and locations tested. This report shall not be reproduced except in full without written approval of Geotest Engineering, Inc. RCCTD.REP

TBPE Registration No. F-410

Graduate Engineer

REPORT OF CONCRETE SAMPLE PICK-UP (ASTM C31)

Project:

Paving and Drainage Improvements on Beechnut Road

Client:

Fort Bend County c/o RPS Infrastructure, Inc.

Contractor:

All Good Constructions

Job No.:

11503196-01

Report No.:

278

Date:

07-17-2021

On <u>07-17-21</u>, a total of twelve (12) cylinders, cast on <u>07-16-21</u>, were picked up at the jobsite and delivered to the laboratory for processing.

Min.78 °F, Max. 91°F* Temperature MTE # 6 - 10

Note: Normal strength concrete initial (field) curing temperature should be: 60 - 80 $^{\circ}$ F High early strength concrete (6000 psi and higher) should be: 68 - 78 °F

*Indicates non-compliance with ASTM requirements.

Remarks:

Technician: B. Dilala

ACI I/SB 102

Depart Lab: Depart Site:

8:15 am 9:30 am

Arrive Site: Arrive Lab:

8:45 am 10:00 am

Lunch: Time:

hrs. 1.75

Distribution:

Masterworks - Upload Invoice (1)

Dindinadh Bollarapu Graduate Engineer

TBPE Registration No. F-410

The results of this report pertain only to the items and locations tested. This report shall not be reproduced except in full without written approval of Geotest Engineering, Inc.

5600 Bintliff Drive Houston, Texas 77036 Tel. (713) 266-0588

REPORT OF FIELD DENSITY

(ASTM D6938, ASTM D2487 & TEX 115E)

Project:

Paving and Drainage Improvements on Beechnut Road

Client: Contractor: Fort Bend County c/o RPS Infrastructure, Inc.

Serial No.: 4728

All Good Construction

Job No.:

11503196-01

Report No .:

279

Date:

07-23-2021

Soil Description:

1.5 SK /7 % Cement Stabilized Sand (Cherry Plant No. 06)

Curve No.:

Model:

01

5001

MDD:

107.5 pcf OMC:

Standard Counts Density

14.0 %

Specification:

02321

Moisture Tolerance:

 \pm 3 % of OMC

Moisture

491

Unless otherwise specified Dry Density and Moisture Content are in accordance with ASTM D6938.

| | | | | . [| Specification Requirements | | |
|----------|--|-----------|-------|---------------------|----------------------------|-----------------------|--|
| | | | | | 11.0 - 17.0 | 95+ | |
| rest No. | Location | Elev, ft. | Lift | Dry density, pcf | In-place Molsture, % | Percent Compaction | |
| | Subgrade for paving on median cross over from station no. 50+40 to 51+50 | | | | | | |
| 445 | Station no. 51+32, 2' from edge of WB | S.G. | Final | 89.3 | 13.3 | 83.1* | |
| 446 | Station no. 51+12, 6' from edge of WB | S.G. | Final | 93.6 | 13.6 | 87.1* | |
| 447 | Station no. 50+95, 23' from edge of WB | S.G. | Final | 104.0 | 14.0 | 96.8 | |
| 448 | Station no. 50+60, 25' from edge of WB | S.G. | Final | 103.8 | 13.5 | 96.6 | |
| 449 | Station no. 50+80, 15' from edge of WB | S.G. | Final | 104.0 | 13.0 | 96.8 | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

*-Indicates noncompliance with specifications.

Remarks: Notified results to Contractor (Margarito), Inspector (WR) and Engineer (George).

Technician: S. Vaghefi

Depart Lab: 10:00 am

Arrive Site: 10:30 am

Arrive Lab: 5:00 pm

Lunch: --Time: 7.0

hrs.

Distribution:

Masterworks – Upload Invoice (1)

Graduate Engineer

TBPE Registration No. F-410

ACII/SB102/101/TxDOT1B Depart Site: 4:30 pm

Additional information requested to be reported by ASTM is provided in the project file
The results of this report pertain only to the items and locations tested. This report shall not be reproduced except in full without written approval of Geotest Engineering, Inc.
RFD-R.REP

DAILY INSPECTION REPORT – PROOF ROLLING

Job No.:

Paving and Drainage Improvements on Beechnut Road

Project:

| Project: Client: Contractor: | Paving and Drainage Improvements on Beechnut R Fort Bend County c/o RPS Infrastructure, Inc. All Good Constructions | .oad | Job No.: Report No.: Date: | 11503196-01 280 07-26-2021 |
|--|---|------------------------|----------------------------------|--|
| Reported to | the referenced project to observe the contract | tor proof roll the sub | grade at the | following locations: |
| North & South | h Bound Lane at station no. 10+50 to 13+71 on West | moor Dr & East Bound | Lane at station | no. 83+00 to 85+60 |
| | Beechnut rd. | | | |
| | | | | A STATE OF THE STA |
| The proof r | olling was performed utilizing a fully loaded | dump truck. | | |
| | | | | The second secon |
| 1\7 | | .1 | | |
| ~ 1)1 | here were no soft or loose zones detected in | these areas. | | |
| 2) | There were soft or loose zones detected on | | | |
| | North & South Bound Lane at station no. 1 | 0+50 to 13+71 on V | Vestmoor Dr | |
| | | | | |
| a a) ' | The contractor intends to under-cut the sub a | orade let it dry out t | an re comp | act |
| | | | nen ie comp | ict. |
| ~ b) | The contractor intends to stabilize the sub gr | ade. | | |
| | | | | |
| Remarks: | Notified results to the inspector WR and | All Good Foreman | Benardo. | |
| | | | | Andrew Andrews |
| | | | | |
| | | | | |
| Technician: A | M. Blackmon Depart Lab:1:30 pm | Arrive Sitė: 2:00 pm | Lunch | : hrs. |
| | CIT T / CIT T | Arrive Lab: 5:30 pm | Time | |
| Distribution: Masterworks - U _I Invoice (1) | pload | | | |
| | Distinge Lan. | | · | |
| | Dindinadh Bollarapu Madhul Graduate Engineer TBPE R | R. Munitathnam, P.E. | Date | 1-27-2021 |
| | Graduate Engineer TBPER | egistration No. F-410 | | |

The results of this report portain only to the items and locations tested. This report shall not be reproduced except in full without written approval of Geotest Engineering. Inc.

DAILY INSPECTION REPORT – PROOF ROLLING

| Project: Client: Contractor: | Paving and Drainage Improvements on Beechnut Road Fort Bend County c/o RPS Infrastructure, Inc. All Good Constructions | Job No.: Report No.: Date: | 11503196-01 281 07-27-2021 |
|---|--|--|--|
| Reported to | the referenced project to observe the contractor proof roll th | e sub grade at the | following locations: |
| South Bound | of Westmoor Drive, station no. 10+50 to 13+82, north end to south end | , west half entrance o | f Grand vista rd, station |
| | 6+50 and East Bound Lane of beechnut road, station no. 86+75 to 88- | | |
| The proof ro | olling was performed utilizing a <u>fully loaded dump truck.</u> | | |
| ~ 1) TI | here were no soft or loose zones detected in these areas. | The second secon | |
| 2) 7 | There were soft or loose zones detected on | | |
| - | South bound of Westmoor drive, station no. 10+50 | to 13+82, north | end to south end. |
| ~ a) T | The contractor intends to under-cut the sub grade let it dry | out then re compa | ict. |
| ■ b) 1 | The contractor intends to stabilize the sub grade. | | |
| Remarks: | Notified results to the inspector WR. | | |
| | OI 1/CD 101 100 D | 00 am Lunch | The same of the sa |
| Distribution: Masterworks - Upl Invoice (1) | | 15 pm Time: | 7.75 hrs. |
| | Dindinadh Bollarapu Graduate Engineer Madhu-R. Muhirathnam, TBPE Registration No. F | | 7-28-21 |

/
The results of this report pertain only to the items and locations tested. This report shall not be reproduced except in full without written approval of Geotest Engineering, Inc. DIRPR.REP

REPORT OF FIELD DENSITY

(ASTM D6938, ASTM D2487 & TEX 115E)

Project:

Paving and Drainage Improvements on Beechnut Road

Client:

Fort Bend County c/o RPS Infrastructure, Inc.

All Good Constructions

Job No.:

11503196-01

Report No.:

 \pm 3 % of OMC

282

Date:

07-27-2021

Soil Description:

Contractor:

1.5 / 7 % Cement Stabilized Sand (Cherry Plant No. 6)

Curve No.:

01

MDD:

107.5 pcf

OMC:

14.0 %

Specification:

02321

Moisture Tolerance:

14.0 /0

Model:

HS 5001 EZ

Serial No.: 9684

04

Standard Counts Density 3260

Moisture

355

Unless otherwise specified Dry Density and Moisture Content are in accordance with ASTM D6938.

| | | | | | Specification Requirements | | |
|----------|--|-----------|-------|---------------------|----------------------------|-----------------------|--|
| | | | | | 11.0 - 17.0 | 95+ | |
| Test No. | Location | Elev, ft. | Lift | Dry density, pef | In-place Moisture, % | Percent Compaction | |
| | Structural backfill for Sub Grade at Median of East of West Bound Lanes, Sta. No. 51+00 to 51+25 | | | | | | |
| 450 | Center Line at Sta. No. 51+10 | S.G. | Final | 103.5 | 16.9 | 96.3 | |
| 451 | Center Line at Sta. No. 51+15 | S.G. | Final | 102.8 | 16.7 | 95.6 | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | , | | | | | | |

*-Indicates noncompliance with specifications.

Remarks: S.G. = Sub Grade

Results informed to the Inspector WR.

Technician:

T. Mezgebe

ACI I/ SB 101/102/ TxDOT 1B

Depart Lab: _--Depart Site: ---

Arrive Site: Arrive Lab:

Lunch: --Time: A.O.S.

___ hrs.

Distribution:

Masterworks - Upload Invoice (1)

> Dindinadh Bollarapu Graduate Engineer

Machu R. Munirathnam, P.E. TBPE Registration No. F-410 0 1 -2 - 7 - 2 Date

Additional information requested to be reported by ASTM is provided in the project file
The results of this report pertain only to the items and locations tested. This report shall not be reproduced except in full without written approval of Geotest Engineering, Inc.
RFD-R.REP

DAILY INSPECTION REPORT – PROOF ROLLING

Project:

| Project: Client: Contractor: | Paving and Drainage Improvements Fort Bend County c/o RPS Infrastru All Good Constructions | on Beechnut Road cture, Inc. | Job No.: Report No.: Date; | 11503196-01 283 07-28-2021 |
|------------------------------------|--|---|--|----------------------------------|
| Reported to | the referenced project to observ | e the contractor proof roll | the sub grade at the | following locations |
| North & South | Bound Lane at station no. 10+50 to | 13+71 on Westmoor Dr | | |
| The proof ro | — olling was performed utilizing a | fully loaded dump truck | | |
| ~ 1) T | here were no soft or loose zone | s detected in these areas. | The second secon | |
| 2) | There were soft or loose zones | detected on | | |
| | North & South Bound Lane at | station no. 10+50 to 13+ | 71 on Westmoor Dr | |
| a) ' | The contractor intends to under | -cut the sub grade let it d | ry out then re comp | act. |
| ~ b) ' | The contractor intends to stabili | ze the sub grade. | | |
| Remarks: | Notified results to the inspec | etor WR. | | |
| | CI I/SB 102 Depart Site: 5: | 00 pm Arrive Site: 00 pm Arrive Lab: | 4:30 pm Lunch 5:30 pm Time: | |
| | Dinding Bollarapu Graduate Engineer | Madhu R. Munirathna TBPE Registration No | m, P.E. Date | 7-29-21 |

The results of this report pertain only to the items and locations tested. This report shall not be reproduced except in full without written approval of Geotest Engineering, Inc. DIRPR.REP

5600 Bintliff Drive Houston, Texas 77036 Tel. (713) 266-0588

REPORT OF PERCENT SOLIDS IN LIME SLURRY

Project:

Paving and Drainage Improvements on Beechnut Road

Fort Bend County c/o RPS Infrastructure, Inc.

Job No.:

11503196-01

Min. 35%

Client: Contractor:

All Good Constructions

Report No.: Date:

07-29-2021

284

Supplier:

Lhoist N. America Type B: Lime Slurry

Type: Specification:

Sample

No.

1

2

3

220

Material Description:

Ticket

No.

660014611

660014619

660014623

Lime Treated Sub Grade

| Location | Specific Gravity | lbs of Dry Solids per gallon | % Solids |
|---------------------------------|---------------------|------------------------------------|-------------|
| East Bound Lane Beechnut Street | | | |
| Station No. 82+90 to 83+92 | 1.272 | 4.16 | 39.2 |
| Station No. 82+90 to 83+92 | 1.300 | 4.58 | 42.3 |
| Station No. 82+90 to 83+92 | 1.300 | 4.58 | 42.3 |
| | | | |
| | | | |

SPECIFICATION REQUIREMENTS:

| T | eı | | | -1 | l | |
|---|-----|----|---|----|---|---|
| ж | P-1 | าา | 9 | 1" | ~ | ۰ |
| | | | | | | |

Technician:

M. Blackmon

Depart Lab:

7:30 am

8:00 am

Lunch:

0.5 hrs.

ACII/SB 101/102/TxDOT 1B Depart Site:

Site: 5:30 pm Arrive

Arrive

Lab:

6:00 pm

Time:

10.0 hrs.

Distribution: Masterworks - Upload Invoice (1)

Dindinadh Bollarapu

Graduate Engineer

L Madhu R. Munirathnam, P.E.

TBPE Registration No. F-410

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^{*-}Indicates noncompliance with specifications

REPORT OF FIELD LIME SLURRY APPLICATION RATE

Project:

Paving and Drainage Improvements on Beechnut Road

Client: Contractor: Fort Bend County c/o RPS Infrastructure, Inc.

All Good Constructions

Job No.:

11503196-01

Report No.: Date:

07-29-2021

285

Supplier:

Lhoist N. America
Type B: Lime Slurry

Type: Specification:

Item 220

Minimum Required App. Rate:

50.2 lbs/sq.yd for 8" Thickness

General Location:

East Bound Lane Beechnut at Sta. No. 82+90 to 83+92

| Sample No. | Truck No. | Ticket No. | Location | Stabilized Area (sq. yds.) | Net Weight of Lime (tons) | Application Rate (lbs./sq. yds) |
|--|--------------|------------------|---|----------------------------------|------------------------------------|---------------------------------------|
| 1 | 10153265 | 660014611 | Sta. No. 82+90 to 83+92 (29' - Wide) | 329 | 9.46 | 57.50 |
| 2 | 10153265 | 660014619 | Sta. No.83+92 to 85+70 (15' Wide) | 297 | 9.87 | 66.4 |
| 3 | 10153265 | 660014623 | Sta. No. 66+00 to 66+50 (50x60)W.B. Lane Beechnut | 323 | 8.62 | 51.8 |
| **** | | | | | | |
| A patrick Williams Harrison D. Aller Brown | | | | | | |
| | | | | | | - |
| W-0-27-4-1 | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | ce with specific | | | | |

| Remarks: Technician: | M. Blackmon ACI I/ SB 101/102/TxDOT 1B | Depart Lab: Depart Site: | Arrive Site: | Lunch: Time: | A.O.S. | hrs. |
|---|---|-----------------------------|-----------------------|-----------------|------------|------|
| Distribution: Distribution: Masterworks - Invoice (1) | Upload | | 1 16 1 | ſ | 1 | |
| | Dindinadh Bollarapu Graduate Engineer | | Manufacture No. F-410 | Date | 02/2 | 1 |

The results of this report pertains only to the items and locations tested. This report shall not be reproduced except in full without written approval of Geotest Engineering, Inc. RFLSAR.REP

DAILY INSPECTION REPORT – PROOF ROLLING

| Project: Client: Contractor: | Paving and Drainage Improvements on Fort Bend County c/o RPS Infrastructur All Good Constructions | Beechnut Road re, Inc. | Job No.: Report No.: Date: | 11503196-01 286 07-29-2021 |
|------------------------------------|---|---|----------------------------------|----------------------------------|
| Reported to | the referenced project to observe th | ne contractor proof roll t | he sub grade at the | following locations: |
| North and Sou | th Bound Lane, Sta. No. 10+50 to 13+71 | | | |
| The proof r | olling was performed utilizing a ful | lly load dump truck | | |
| 1) T | nere were no soft or loose zones de | etected in these areas. | | |
| ~ 2) | There were soft or loose zones dete | ected at the following le | ocations: | |
| ~ a) | The contractor intends to under-cut suitable material. | the sub grade to firm so | oils and backfill wi | th select fill or other |
| ~ b) | The contractor intends to stabilize | the sub grade. | | |
| Remarks: | | | | |
| | M. Blackmon Depart Lab: ACI I/ SB 101/102/TxDOT 1B Depart Site: | Arrive Site: Arrive Lab: | Luncl | |
| ., | Dindinadh Bollarapu Graduate Engineer | Madhu R. Munirathnam TBPE Registration No. | | 8/02/21 |

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REPORT OF CONCRETE CYLINDER TEST DATA

(ASTM C 39, ASTM C31, ASTM C511 and ASTM C172)

149

Project:

Paving and Drainage Improvements on Beechnut Road

Job No.:

11503196-01

Fort Bend County c/o RPS Infrastructure, Inc.

Report No.: Date:

287 A, 1 of 1

Client: Concrete Producer:

Argos

Plant:

07-30-2021

Contractor:

Spec. No.:

| Contractor: | | | | Spe | c. No.: | | | | |
|------------------|-----------------------|---------------|------------------|--------------------|--------------------|------------------|-----------------|--------------------------------|-----------|
| Dispatch No | | 3658 | | | | | MIN IN | ECICN | |
| SAMPLIN | | | | | | | | ESIGN | |
| Truck No. | Ac 12: | tual 21 | Ticket No. | 14953642 | ~ Verifie Class | d @ Plant | ■ Su Mix No. | ipplied by Produce H1 2069 | r |
| Time Batch | ed 8:4 | 2 am | Speci | fications | Mate | rial | Туре | Weig | ght Unit |
| Time Samp | led 9:5 | 50 am | • | | Cement | | Type I/II | | lbs |
| Time in Mi | xer 68 | | Min. M | ax. 90 | Flyash | | | | lbs |
| Slump (1) | 5.5 | ; | in. ** | in. | Coarse A | ggregate | | | lbs |
| Air Content | 3.1 | | % ** | % | Fine Agg | gregate | Concrete Sa | and | lbs |
| Unit Weigh | t (3) N/ | A | pcf | | Admixtu | re 1 | | | ozs |
| Yield | N/. | A | cu.ft | | Admixtu | re 2 | | | ozs |
| Water Adde | ed 10 | | gals | gals | Admixtu | re 3 | | | ozs |
| Ambient Te | emp 86 | | °F M | in. 40 °F | Water | | | | lbs |
| Concrete To | emp ₍₄₎ 90 | | °F M | ax. 90 °F | | | | | |
| Weather | = 5 | Sunny | □ Cloudy | □ Partially | Cloudy | Rainy | | | |
| (1) ASTM C14 | 43 (2) ~ AS | TM C173 | ☐ ASTM C23 | 31 | Required | l Strength | | psi @ | days |
| (3) ASTM C1: | 38 (4) ASTM | C1064 Cap | oping Method: | ASTM C1231 | | | ** | psi @ | days |
| Specimen Size | e: ■ 6" | ø x 12" ~ | 4"ø x 8" ~ 3" | ø x 6" | Initial Cur | ing: Field | Final Curing | Standard (Tanks) | |
| General Locat | ion: Pavin | g Median C | rossover from | West Bound to E | Bound from S | Sta. No. 50+40 | 0 to 51+50 | | |
| Cample I aget | - Canan | lad at 10.0 a | 6100 auhia u | ands at Cts. No. 5 | 11120 202 6 | W.D. Eden | | | |
| Sample Locati | on: Samp | led at 10.0 c | 10.0 cubic y | ards at Sta. No. 5 | | | Ultimate | | |
| Specimen Mark | Date Tested | Age, Days | Type of Fracture | Diameter, (in) | Height, (in) | Area, (Sq.in) | Load, (Lbs.) | Compressive Strength, (psi) | Tested By |
| SET I | Tested | Days | Fracture | (111) | | (-1) | (2001) | Sueligili, (psi) | |
| | 08-06-21 | 7 | | 6.00 | 12.00 | 28.27 | | | - |
| 113 | | 7 | | 6.00 | 12.00 | 28.27 | | | |
| 113 | 08-06-21 | / | 1 | | | | | | |
| | 08-06-21 08-27-21 | 28 | | 6.00 | 12.00 | 28.27 | | | |

*Indicates noncompliance with specifications

Concrete Placed: 40.0 cu. yds

Remarks:

All Results was notified to the Inspector (Mr. WR)

Technician: S. Vaghefi

Depart Lab:

7:30 am

Arrive Site:

8:00 am

Lunch: 0.5

hrs.

Distribution:

ACI I/ SB 101/102/TxDOT 1B

Depart Site:

3:15 pm

3:45 pm

Time: 7.75

hrs.

City of Houston - Patricia Jennings, Bryan Castex, Dewey Pruitt, Plachette Williams (et Grava, LLC - Mike (email)

Invoice (1)

Sai Dandamudi Graduate Engineer Madhu R. Munirathnam, P.E. TBPE Registration No. F-410

Date

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REPORT OF PERCENT SOLIDS IN LIME SLURRY

Project:

Paving and Drainage Improvements on Beechnut Road Fort Bend County c/o RPS Infrastructure, Inc.

Client:

Job No.: Report No.: 11503196-01

All Good Constructions Contractor:

Date:

288 07-30-2021

Supplier: Type:

Lhoist N. America
Type B: Lime Slurry

Specification:

220

Material Description:

Lime Slurry

| | | SPECIFICATION REQUIREMENTS: | | | |
|---------------|---------------|-----------------------------|---------------------|------------------------------------|-------------|
| Sample No. | Ticket No. | Location | Specific Gravity | lbs of Dry Solids per gallon | % Solids |
| | | Westmoor Drive | | | |
| 1 | 660014636 | Station No. 10+50 to 11+22 | 1.268 | 4.10 | 38.8 |
| 2 | 660014638 | Station No. 11+22 to 11+90 | 1.260 | 3.98 | 37.9 |
| 3 | 660014639 | Station No. 11+90 to 12+60 | 1.280 | 4.28 | 40.1 |
| 4 | 660014645 | Station No. 12+60 to 13+30 | 1.30 | 4.58 | 42.3 |
| 5 | 660014651 | Station No. 13+30 to 13+71 | 1.292 | 4.46 | 41.4 |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

| *-Indicates noncomp | iance with | specifications |
|---------------------|------------|----------------|
|---------------------|------------|----------------|

| Remarks: | | | | |
|---|--|-------------|---|--|
| Technician: | S. Vaghefi ACI I/ SB 101/102/TxDOT 1B | Depart Lab: | Arrive Site: | Lunch: hrs. Time: A.O.S. hrs |
| Distribution: Masterworks - Invoice (1) | Upload | | | The state of the s |
| , | Dindinadh Bollarapu Graduate Engineer | Madhu F | Munirathnam, P.E. egistration No. F-410 | 08/04/21 Date |

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REPORT OF FIELD LIME SLURRY APPLICATION RATE

Project:

Paving and Drainage Improvements on Beechnut Road

Client: Contractor: Fort Bend County c/o RPS Infrastructure, Inc.

All Good Constructions

Job No.:

11503196-01

Report No.: Date:

289

07-30-2021

Supplier:

Lhoist N. America

Type:

Type B: Lime Slurry

Specification:

Item 220

Minimum Required App. Rate:

50.2 lbs/sq.yd for 8" Thickness

General Location:

West Moor Drive from, at Sta. No. 10+50 to 12+60

| Sample No. | Truck No. | Ticket No. | Location | Stabilized Area (sq. yds.) | Net Weight of Lime (tons) | Application Rate (lbs./sq. yds) |
|---------------|--------------|---------------|----------------------------|----------------------------------|------------------------------------|---------------------------------------|
| | | | Westmoor Drive | | | |
| 1 | 152 | 660014636 | Station No. 10+50 to 11+22 | 360 | 9.41 | 52.3 |
| 2 | 141 | 660014638 | Station No. 11+22 to 11+90 | 340 | 8.67 | 51.0 |
| 3 | 19 | 660014639 | Station No. 11+90 to 12+60 | 350 | 8.95 | 51.1 |
| 4 | 152 | 660014645 | Station No. 12+60 to 13+30 | 350 | 9.32 | 53.3 |
| 5 | 152 | 660014651 | Station No. 13+30 to 13+71 | 205 | 9.60 | 93.7 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

^{*-}Indicates noncompliance with specifications

| Remarks: | | | | | | | |
|---|---|-----------------------------|--|-------------------------------|-----|-----------------|---------------------|
| Technician: | S. Vaghefi ACI I/ SB 101/102/TxDOT 1B | Depart Lab: Depart Site: | No. of the last of | Arrive Site: Arrive Lab: | *** | **** | hrs h r s |
| Distribution: Distribution: Masterworks - Invoice (1) | Upload Dindinadh Bollarapi Graduate Engineer | | | Munirathnan gistration No. | | 28/04/2 Date | (|

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REPORT OF CONCRETE SAMPLE PICK-UP (ASTM C31)

Project: Paving and Drainage Improvements on Beechnut Road

Fort Bend County c/o RPS Infrastructure, Inc.

Client: Contractor: All Good Constructions Job No.: 11503196-01 Report No.:

290

Date:

07-31-2021

On <u>07-31-21</u>, a total of <u>four (04)</u> cylinders, cast on <u>07-30-21</u>, were picked up at the jobsite and delivered to the laboratory for processing.

Min. 77°F Max. 98°F* Temperature MTE # 6 - 10

Note: Normal strength concrete initial (field) curing temperature should be: $60-80\,{}^{\circ}\text{F}$ High early strength concrete (6000 psi and higher) should be: 68 - 78 °F

*Indicates non-compliance with ASTM requirements.

Remarks: (6" x 12")

Technician: S. Vaghefi

ACI I/ SB 101/102/TxDOT 1B

Depart Lab:

8:30 am Depart Site: 9:30 am Arrive Site: Arrive Lab: 9:00 am 10:00 am

Lunch: Time:

hrs.

Distribution:

Masterworks - Upload Invoice (1)

Graduate Engineer

Madhu R. Munirathnam, P.E.

TBPE Registration No. F-410

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