

Geotest Engineering, Inc.
Geotechnical Engineers and Materials Testing

5600 Bintliff Drive, Houston, TX 77036
Telephone: (713) 266-0588
Fax: (713) 266-2977

INVOICE

Name: Fort Bend County c/o RPS Infrastructure, Inc
Address: 575 N. Dairy Ashford, Suite 700

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

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

Fee Code: 3196

TERMS: NET 10 DAYS

| Date | Req | Report No(s) | Services Provided | Code | Quantity | 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 | | 256B | 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 | | 269A-B | Technician | 10700.00 | 4.00 | Hr. | \$ 60.00 | \$ 240.00 |
| | | | Vehicle Charge | 15000.00 | 1.00 | Trip | \$ 65.00 | \$ 65.00 |
| | | | Compressive Str. (Cylinder) (C 39) | 30100.00 | 4.00 | Ea. | \$ 17.00 | \$ 68.00 |
| | 2 | | Project Manager, P.E. (Rpt. Review/Meeting) | 10300.00 | 0.20 | Hr. | \$ 180.00 | \$ 36.00 |
| 07/03/2021 | 1 | 270 | Technician OT | 10701.00 | 1.50 | Hr. | \$ 90.00 | \$ 135.00 |
| | | | Vehicle Charge | 15000.00 | 1.00 | Trip | \$ 65.00 | \$ 65.00 |
| 07/07/2021 | | 271-272 | Technician | 10700.00 | 6.00 | Hr. | \$ 60.00 | \$ 360.00 |
| | | | Vehicle Charge | 15000.00 | 1.00 | Trip | \$ 65.00 | \$ 65.00 |
| | | | Nuclear Density Gauge (D6938) | 95100.00 | 1.00 | Day | \$ 55.00 | \$ 55.00 |
| | 2 | | Project Manager, P.E. (Rpt. Review/Meeting) | 10300.00 | 0.20 | Hr. | \$ 180.00 | \$ 36.00 |
| 07/12/2021 | 1 | 273-274 | Technician | 10700.00 | 4.00 | Hr. | \$ 60.00 | \$ 240.00 |
| | | | Vehicle Charge | 15000.00 | 1.00 | Trip | \$ 65.00 | \$ 65.00 |
| | | | Nuclear Density Gauge (D6938) | 95100.00 | 1.00 | Day | \$ 55.00 | \$ 55.00 |
| | 2 | | Project Manager, P.E. (Rpt. Review/Meeting) | 10300.00 | 0.10 | Hr. | \$ 180.00 | \$ 18.00 |
| 07/13/2021 | 1 | 275 | Technician | 10700.00 | 4.50 | Hr. | \$ 60.00 | \$ 270.00 |
| | | | Vehicle Charge | 15000.00 | 1.00 | Trip | \$ 65.00 | \$ 65.00 |
| 07/14/2021 | | 276 | Technician | 10700.00 | 7.50 | Hr. | \$ 60.00 | \$ 450.00 |
| | | | Vehicle Charge | 15000.00 | 1.00 | Trip | \$ 65.00 | \$ 65.00 |
| | | | Nuclear Density Gauge (D6938) | 95100.00 | 1.00 | Day | \$ 55.00 | \$ 55.00 |
| | 2 | | Project Manager, P.E. (Rpt. Review/Meeting) | 10300.00 | 0.10 | Hr. | \$ 180.00 | \$ 18.00 |

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 | 10700.00 | 6.50 | Hr. | \$ 60.00 | \$ 390.00 |
| | | | Vehicle Charge | 15000.00 | 1.00 | Trip | \$ 65.00 | \$ 65.00 |
| | | | Compressive Str.(Cylinder) (C 39) | 30100.00 | 12.00 | Ea. | \$ 17.00 | \$ 204.00 |
| | 2 | | Project Manager,P.E.(Rpt.Review/Meeting) | 10300.00 | 0.10 | Hr. | \$ 180.00 | \$ 18.00 |
| 07/17/2021 | 1 | 278 | Technician OT | 10701.00 | 1.75 | Hr. | \$ 90.00 | \$ 157.50 |
| | | | Vehicle Charge | 15000.00 | 1.00 | Trip | \$ 65.00 | \$ 65.00 |
| 07/23/2021 | | 279 | Technician | 10700.00 | 7.00 | Hr. | \$ 60.00 | \$ 420.00 |
| | | | Vehicle Charge | 15000.00 | 1.00 | Trip | \$ 65.00 | \$ 65.00 |
| | | | Nuclear Density Gauge (D6938) | 95100.00 | 1.00 | Day | \$ 55.00 | \$ 55.00 |
| | 2 | | Project Manager,P.E.(Rpt.Review/Meeting) | 10300.00 | 0.10 | Hr. | \$ 180.00 | \$ 18.00 |
| 07/26/2021 | 1 | 280 | Technician | 10700.00 | 4.00 | Hr. | \$ 60.00 | \$ 240.00 |
| | | | Vehicle Charge | 15000.00 | 1.00 | Trip | \$ 65.00 | \$ 65.00 |
| 07/27/2021 | | 281-282 | Technician | 10700.00 | 7.75 | Hr. | \$ 60.00 | \$ 465.00 |
| | | | Vehicle Charge | 15000.00 | 1.00 | Trip | \$ 65.00 | \$ 65.00 |
| | | | Nuclear Density Gauge (D6938) | 95100.00 | 1.00 | Day | \$ 55.00 | \$ 55.00 |
| | 2 | | Project Manager,P.E.(Rpt.Review/Meeting) | 10300.00 | 0.10 | Hr. | \$ 180.00 | \$ 18.00 |
| 07/28/2021 | 1 | 283 | Technician | 10700.00 | 4.00 | Hr. | \$ 60.00 | \$ 240.00 |
| | | | Vehicle Charge | 15000.00 | 1.00 | Trip | \$ 65.00 | \$ 65.00 |
| 07/29/2021 | | 284-286 | Technician | 10700.00 | 8.00 | Hr. | \$ 60.00 | \$ 480.00 |
| | | | Technician OT | 10701.00 | 2.00 | Hr. | \$ 90.00 | \$ 180.00 |
| | | | Vehicle Charge | 15000.00 | 1.00 | Trip | \$ 65.00 | \$ 65.00 |
| | 2 | | Project Manager,P.E.(Rpt.Review/Meeting) | 10300.00 | 0.20 | Hr. | \$ 180.00 | \$ 36.00 |
| 07/30/2021 | 1 | 287A-289 | Technician | 10700.00 | 7.75 | Hr. | \$ 60.00 | \$ 465.00 |
| | | | Vehicle Charge | 15000.00 | 1.00 | Trip | \$ 65.00 | \$ 65.00 |
| | | | Compressive Str.(Cylinder) (C 39) | 30100.00 | 4.00 | Ea. | \$ 17.00 | \$ 68.00 |
| | 4 | | Project Manager,P.E.(Rpt.Review/Meeting) | 10300.00 | 0.30 | Hr. | \$ 180.00 | \$ 54.00 |
| 07/31/2021 | 1 | 290 | Technician OT | 10701.00 | 1.50 | Hr. | \$ 90.00 | \$ 135.00 |
| | | | Vehicle Charge | 15000.00 | 1.00 | Trip | \$ 65.00 | \$ 65.00 |
| | | | | | | | TOTAL | \$ 6,799.50 |

Attachments: Test Reports

Billing Summary

| | | |
|----------------------------------|--------------|---------------|
| Contract Amount | | \$ 105,606.00 |
| Amount of this Invoice | \$ 6,799.50 | |
| Amount Billed Previously | \$ 65,259.50 | |
| Total Billed Project to date | | \$ 72,059.00 |
| Amount Remaining in the Contract | | \$ 33,547.00 |
| Percent Complete | | 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
Client: Fort Bend County c/o RPS Infrastructure, Inc.
Concrete Producer: Argos Plant: 149
Contractor: All Good Constructions Spec. No.: 360

Job No.: 11503196-01
Report No.: 247 B, 1 of 3
Date: 06-10-2021

| SAMPLING DATA | | | | | MIX DESIGN | | | | |
|-------------------|--|----------------------------|------------------|-------------------|-----------------------------|---|-----------------------|-----------------------------------|---------------|
| Truck No. | Actual 6290 | Ticket No. | 14952360 | | ~ Verified @ Plant Class | 1.5 L.S. | | ■ Supplied by Producer Mix No. | H1 0000002069 |
| Time Batched | 4:10 am | Specifications | | | Material | | Type | Weight | Unit |
| Time Sampled | 4:55 am | | | | Cement | Type I/II | | | lbs |
| Time in Mixer | 45 | Min. | Max. 90 | | Flyash | | | | lbs |
| Slump (1) | 4.0 | in. | 1.0 - 6.0 | | in. | Coarse Aggregate | | | lbs |
| Air Content (2) | 3.2 | % | 2.5 - 4.5 | | % | Fine Aggregate | Concrete Sand | | lbs |
| Unit Weight (3) | N/A | pcf | N/A | | | Admixture 1 | | | ozs |
| Yield | N/A | cu.ft | N/A | | | Admixture 2 | | | ozs |
| Water Added | 0 | gals | N/A | | gals | Admixture 3 | | | ozs |
| Ambient Temp | 79 | °F | Min. 40 | | °F | Water | | | lbs |
| Concrete Temp (4) | 88 | °F | Max. 90 | | °F | | | | |
| Weather | <input type="checkbox"/> Sunny <input checked="" type="checkbox"/> Cloudy <input type="checkbox"/> Partially Cloudy <input type="checkbox"/> 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: | ■ 6" ø x 12" ~ 4" ø x 8" ~ 3" ø x 6" | | | | Initial Curing: | Field Final Curing: Standard (Tanks) | | | |
| General Location: | Paving at Sta. No. 66+50 to 70+70 West Bound Tested at Sta. No. 59+92 to 56+08 West Bound (Remaining wall) | | | | | | | | |
| Sample Location: | Sampled at 10.0 of 40.0 cubic yards at Sta. No. 56+90 | | | | | | | | |
| 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 I | | | | | | | | | |
| 61 | 06-17-21 | 7 | 2 | 5.99 | 11.98 | 28.18 | 133,780 | 4750 | L. Patel |
| 62 | 06-17-21 | 7 | 5 | 5.99 | 11.98 | 28.18 | 135,680 | 4810 | L. Patel |
| 63 | 07-08-21 | 28 | 5 | 5.99 | 11.98 | 28.18 | 166,280 | 5900 | L. Patel |
| 64 | 07-08-21 | 28 | 5 | 5.99 | 11.98 | 28.18 | 168,610 | 5980 | L. Patel |

*Indicates noncompliance with specifications
Remarks: _____

Concrete Placed: 400.0 cu. yds

REPORT OF CONCRETE CYLINDER TEST DATA

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

Project: Paving and Drainage Improvements on Beechnut Road
Client: Fort Bend County c/o RPS Infrastructure, Inc.
Concrete Producer: Argos Plant: 149
Contractor: All Good Constructions Spec. No.: 360

Job No.: 11503196-01
Report No.: 247 B, 2 of 3
Date: 06-10-2021

| SAMPLING DATA | | | | | MIX DESIGN | | | | |
|-------------------|--|----------------------------|------------------|-------------------|------------------------------|---------------------------------------|-----------------------|-----------------------------------|---------------|
| Truck No. | Actual 1719 | Ticket No. | 14952372 | | ~ Verified @ Plant Class | 1.5 L.S. | | ■ Supplied by Producer Mix No. | H1 0000002069 |
| Time Batched | 5:46 am | Specifications | | | Material | Type | Weight | Unit | |
| Time Sampled | 6:30 am | | | | Cement | Type I/II | | lbs | |
| Time in Mixer | 44 | Min. | Max. 90 | | Flyash | | | lbs | |
| Slump (1) | 6.0 | in. | 1.0 - 6.0 | | Coarse Aggregate | | | lbs | |
| Air Content (2) | 2.6 | % | 2.5 - 4.5 | | Fine Aggregate | Concrete Sand | | lbs | |
| Unit Weight (3) | N/A | pcf | N/A | | Admixture 1 | | | ozs | |
| Yield | N/A | cu.ft | N/A | | Admixture 2 | | | ozs | |
| Water Added | 0 | gals | N/A | | Admixture 3 | | | ozs | |
| Ambient Temp | 77 | °F | Min. 40 | | Water | | | lbs | |
| Concrete Temp (4) | 88 | °F | Max. 90 | | | | | | |
| Weather | <input type="checkbox"/> Sunny <input checked="" type="checkbox"/> Cloudy <input type="checkbox"/> Partially Cloudy <input type="checkbox"/> 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: | ■ 6" ø x 12" ~ 4" ø x 8" ~ 3" ø x 6" | | | | Initial Curing: <u>Field</u> | Final Curing: <u>Standard (Tanks)</u> | | | |
| General Location: | Paving at Sta. No. 66+50 to 70+70 West Bound and Tested at Sta. No. 59+92 to 56+08 West Bound (Remaining wall) | | | | | | | | |
| Sample Location: | Sampled at 10.0 of 150.0 cubic yards at Sta. No. 69+00 | | | | | | | | |
| 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 | | | | | | | | | |
| 65 | 06-17-21 | 7 | 5 | 5.99 | 11.98 | 28.18 | 136,830 | 4860 | L. Patel |
| 66 | 06-17-21 | 7 | 6 | 5.99 | 11.98 | 28.18 | 138,000 | 4900 | L. Patel |
| 67 | 07-08-21 | 28 | 3 | 5.99 | 11.98 | 28.18 | 173,080 | 6140 | L. Patel |
| 68 | 07-08-21 | 28 | 5 | 5.99 | 11.98 | 28.18 | 175,300 | 6220 | L. Patel |

*Indicates noncompliance with specifications

Remarks: _____

Concrete Placed: 400.0 cu. yds

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.: 247 B, 3 of 3

Concrete Producer: Argos

Plant: 149

Date: 06-10-2021

Contractor: All Good Constructions

Spec. No.: 360

| SAMPLING DATA | | | | | MIX DESIGN | | | | |
|-------------------|--|----------------|-----------|--------------------|------------------|---------------|------------------------|---------|----------------|
| Truck No. | 5159 | Ticket No. | 14952403 | ~ Verified @ Plant | Class | 1.5 L.S. | ■ Supplied by Producer | Mix No. | H1 000000 2069 |
| Time Batched | 9:40 am | Specifications | | Material | Type | Weight | Unit | | |
| Time Sampled | 10:20 am | | | Cement | Type I/II | | lbs | | |
| Time in Mixer | 40 | Min. | Max. 90 | Flyash | | | lbs | | |
| Slump (1) | 4.5 | in. | 1.0 - 6.0 | in. | Coarse Aggregate | | lbs | | |
| Air Content (2) | 2.6 | % | 2.5 - 4.5 | % | Fine Aggregate | Concrete Sand | lbs | | |
| Unit Weight (3) | N/A | pcf | N/A | | Admixture 1 | | ozs | | |
| Yield | N/A | cu.ft | N/A | | Admixture 2 | | ozs | | |
| Water Added | 0 | gals | N/A | gals | Admixture 3 | | ozs | | |
| Ambient Temp | 84 | °F | Min. 40 | °F | Water | | lbs | | |
| Concrete Temp (4) | 90 | °F | Max. 90 | °F | | | | | |
| Weather | <input type="checkbox"/> Sunny <input checked="" type="checkbox"/> Cloudy <input type="checkbox"/> Partially Cloudy <input type="checkbox"/> 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: | ■ 6" ø x 12" ~ 4" ø x 8" ~ 3" ø x 6" | | | Initial Curing: | Field | Final Curing: | Standard (Tanks) | | |
| General Location: | Paving at Sta. No. 59+92 to 56+08 West Bound (Half Section) and Sta. No. 66+50 to 70+70 W.B. | | | | | | | | |
| Sample Location: | Sampled at 8.0 of 326.0 cubic yards at Sta. No. 57+00 | | | | | | | | |

| 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 III | | | | | | | | | |
| 69 | 06-17-21 | 7 | 2 | 5.99 | 11.98 | 28.18 | 151,080 | 5360 | L. Patel |
| 70 | 06-17-21 | 7 | 5 | 5.99 | 11.98 | 28.18 | 150,880 | 5350 | L. Patel |
| 71 | 07-08-21 | 28 | 5 | 5.99 | 11.98 | 28.18 | 174,630 | 6200 | L. Patel |
| 72 | 07-08-21 | 28 | 5 | 5.99 | 11.98 | 28.18 | 178,580 | 6340 | L. Patel |

*Indicates noncompliance with specifications

Concrete Placed: 400.0 cu. yds

Remarks:

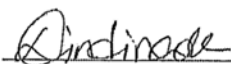
Technician: A. Bishop
ACI I/ SB 102


Depart Lab: 3:30 pm
Depart Site: 12:30 pm

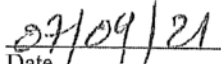
Arrive Site: 4:00 am
Arrive Lab: 1:00 pm

Lunch: 0.5 hrs.
Time: 9.0 hrs.

Distribution:
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


Date 07/09/21

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: 149

Date: 06-14-2021

Contractor: Argos

Spec. No.: 360

SAMPLING DATA

MIX DESIGN

| | | | | | | | | | |
|-------------------|--|----------------------------|-----------|--------------------|------------------------------|---------------------------------------|------------------------|---------|---------|
| Truck No. | 155 | Ticket No. | 14952453 | ~ Verified @ Plant | Class | 1.5 | ■ Supplied by Producer | Mix No. | H1 2069 |
| Time Batched | 4:15 am | Specifications | | Material | | Type | Weight | Unit | |
| Time Sampled | 4:45 am | | | Cement | | Type I/II | | lbs | |
| Time in Mixer | 30 | Min. | Max. 90 | Flyash | | | | lbs | |
| Slump (1) | 4.5 | in. | 1.0 - 6.0 | in. | Coarse Aggregate | | | lbs | |
| Air Content (2) | 4.6 | % | 2.5 - 4.5 | % | Fine Aggregate | Concrete Sand | | lbs | |
| Unit Weight (3) | N/A | pcf | N/A | Admixture 1 | | | | ozs | |
| Yield | N/A | cu.ft | N/A | Admixture 2 | | | | ozs | |
| Water Added | 5 | gals | N/A | gals | Admixture 3 | | | ozs | |
| Ambient Temp | 75 | °F | Min. 40 | °F | Water | | | lbs | |
| Concrete Temp (4) | 79 | °F | Max. 95 | °F | | | | | |
| Weather | <input checked="" type="checkbox"/> Sunny <input type="checkbox"/> Cloudy <input type="checkbox"/> Partially Cloudy <input type="checkbox"/> 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: | ■ 6" ø x 12" ~ 4" ø x 8" ~ 3" ø x 6" | | | | Initial Curing: <u>Field</u> | Final Curing: <u>Standard (Tanks)</u> | | | |
| General Location: | Road paving, Beechnut Road, East Bound Lane, Sta. No. 75+80 to 82+00 | | | | | | | | |

Sample Location: Sampled at 10.0 of 50.0 cubic yards at Sta. No. 76+25, Beginning of pour

| 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 I | | | | | | | | | |
| 73 | 06-21-21 | 7 | 5 | 5.99 | 11.98 | 28.18 | 158,610 | 5630 | L. Patel |
| 74 | 06-21-21 | 7 | 6 | 5.99 | 11.98 | 28.18 | 155,380 | 5510 | L. Patel |
| 75 | 07-12-21 | 28 | 2 | 5.98 | 11.99 | 28.09 | 176,200 | 6270 | L. Patel |
| 76 | 07-12-21 | 28 | 5 | 5.98 | 11.99 | 28.09 | 177,850 | 6330 | L. Patel |

*Indicates noncompliance with specifications

Concrete Placed: 440.0 cu. yds

Remarks: _____

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, 2 of 3

Concrete Producer: All Good Constructions

Plant: 149

Date: 06-14-2021

Contractor: Argos

Spec. No.: 360

SAMPLING DATA

MIX DESIGN

| | | | | | | | |
|-------------------|--------------|----------------|-----------|---------------------------------|---|---------------|------|
| Truck No. | Actual 77 | Ticket No. | 14952466 | ~ Verified @ Plant Class 1.5 | ■ Supplied by Producer 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 | Min. | Max. 90 | Flyash | | | lbs |
| Slump (1) | 5.0 | in. | 1 - 6 | in. | Coarse Aggregate | | lbs |
| Air Content (2) | 4.8 | % | 2.5 - 4.5 | % | Fine Aggregate | Concrete Sand | lbs |
| Unit Weight (3) | N/A | pcf | N/A | | Admixture 1 | | ozs |
| Yield | N/A | cu.ft | N/A | | Admixture 2 | | ozs |
| Water Added | 5 | gals | N/A | gals | Admixture 3 | | ozs |
| Ambient Temp | 75 | °F | Min. 40 | °F | Water | | lbs |
| Concrete Temp (4) | 79 | °F | Max. 95 | °F | | | |

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: ☒ 6" ϕ x 12" ~ 4" ϕ x 8" ~ 3" ϕ x 6" Initial Curing: Field Final Curing: Standard (Tanks)

General Location: Road paving, Beechnut Road, East Bound Lane, Sta. No. 75+80 to 82+00

Sample Location: Sampled at 10.0 of 180.0 cubic yards at Sta. No. 78+40, Middle of pour

| 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

Concrete Placed: 440.0 cu. yds

Remarks: _____

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, 3 of 3

Concrete Producer: All Good Constructions

Plant: 149

Date: 06-14-2021

Contractor: Argos

Spec. No.: 360

SAMPLING DATA

MIX DESIGN

| | | | | | | | | | |
|---|--------------------------------|----------------|-----------|--------------------|------------------|---------------|------------------------|---------|---------|
| Truck No. | Actual 5177 | Ticket No. | 14952485 | ~ Verified @ Plant | Class | 1.5 | ■ Supplied by Producer | Mix No. | H1 2069 |
| Time Batched | 8:13 am | Specifications | | Material | | Type | Weight | Unit | |
| Time Sampled | 8:43 am | | | Cement | Type I/II | | | lbs | |
| Time in Mixer | 30 | Min. | Max. 90 | Flyash | | | | lbs | |
| Slump (1) | 5.5 | in. | 1 - 6 | in. | Coarse Aggregate | | | lbs | |
| Air Content (2) | 4.7 | % | 2.5 - 4.5 | % | Fine Aggregate | Concrete Sand | | lbs | |
| Unit Weight (3) | N/A | pcf | N/A | | Admixture 1 | | | ozs | |
| Yield | N/A | cu.ft | N/A | | Admixture 2 | | | ozs | |
| Water Added | 0 | gals | N/A | gals | Admixture 3 | | | ozs | |
| Ambient Temp | 79 | °F | Min. 40 | °F | Water | | | lbs | |
| Concrete Temp (4) | 83 | °F | Max. 95 | °F | | | | | |
| Weather: <input checked="" type="checkbox"/> Sunny <input type="checkbox"/> Cloudy <input type="checkbox"/> Partially Cloudy <input type="checkbox"/> 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: <input checked="" type="checkbox"/> 6" ø x 12" ~ 4" ø x 8" ~ 3" ø x 6" Initial Curing: <u>Field</u> Final Curing: <u>Standard (Tanks)</u> | | | | | | | | | |
| General Location: Road paving, Beechnut Road, East Bound Lane, Sta. No. 75+80 to 82+00 | | | | | | | | | |

Sample Location: Sampled at 10.0 of 350.0 cubic yards at Sta. No. 80+25, End of pour

| 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 III | | | | | | | | | |
| 81 | 06-21-21 | 7 | 6 | 5.99 | 11.98 | 28.18 | 138,460 | 4910 | L. Patel |
| 82 | 06-21-21 | 7 | 6 | 5.99 | 11.98 | 28.18 | 138,800 | 4930 | L. Patel |
| 83 | 07-12-21 | 28 | 5 | 5.98 | 11.99 | 28.09 | 162,840 | 5800 | L. Patel |
| 84 | 07-12-21 | 28 | 6 | 5.98 | 11.99 | 28.09 | 160,320 | 5710 | L. Patel |

*Indicates noncompliance with specifications

Concrete Placed: 440.0 cu. yds

Remarks:

Technician: P. Harrold

Depart Lab: 3:30 am

Arrive Site: 4:00 am

Lunch: 0.5 hrs.

Depart Site: 11:30 am

Arrive Lab: 12:00 pm

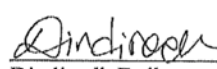
Time: 8.0 hrs.

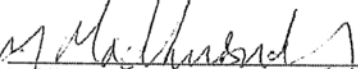
Distribution:

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

07/13/2021
Date

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
Report No.: 251 B, 1 of 1
Date: 06-17-2021

Client: Fort Bend County c/o RPS Infrastructure, Inc.
Concrete Producer: Argos Plant: No. 157
Contractor: All Good Construction Co. In Spec. No.: 360

| SAMPLING DATA | | | | | MIX DESIGN | | | | |
|--|--|----------------|-------------|--|------------------------------------|---|---------|---------|--|
| Truck No. | Actual 4067 | Ticket No. | 15723176 | | ~ Verified @ Plant | ■ Supplied by Producer | | | |
| Time Batched | 6:40 am | Specifications | | | Class | 1.5 SK | Mix No. | H1 2069 | |
| Time Sampled | 7:45 am | | | | Material | Type | Weight | Unit | |
| Time in Mixer | 65 | Min. | Max. 90 | | Cement | Type I/II | | lbs | |
| Slump (1) | 5.0 | in. | 1 - 6 in. | | Flyash | | | lbs | |
| Air Content (2) | 3.4 | % | 2.5 - 4.5 % | | Coarse Aggregate | | | lbs | |
| Unit Weight (3) | N/A | pcf | N/A | | Fine Aggregate | Concrete Sand | | lbs | |
| Yield | N/A | cu.ft | N/A | | Admixture 1 | | | ozs | |
| Water Added | 10 | gals | N/A gals | | Admixture 2 | | | ozs | |
| Ambient Temp | 80 | °F | Min. 40 °F | | Admixture 3 | | | ozs | |
| Concrete Temp (4) | 84 | °F | Max. 95 °F | | Water | | | lbs | |
| Weather | <input checked="" type="checkbox"/> Sunny <input type="checkbox"/> Cloudy <input type="checkbox"/> Partially Cloudy <input type="checkbox"/> 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: | ■ 6" ø x 12" ~ 4" ø x 8" ~ 3" ø x 6" | | | | Initial Curing: | Field Final Curing: Standard (Tanks) | | | |
| General Location: | Road Paving, Grand Vista Hills Lane, North Bound Entrance Lane to Neighborhood Sta. No. 166+50 to 167+45 | | | | | | | | |
| Sample Location: | Sampled at 10.0 of 30.0 cubic yards at Sta. No. 166+80, Beginning and Middle of pour. | | | | | | | | |

| 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 I | | | | | | | | | |
| 85 | 06-24-21 | 7 | 6 | 5.99 | 11.98 | 28.18 | 141,900 | 5040 | L. Patel |
| 86 | 06-24-21 | 7 | 5 | 5.99 | 11.98 | 28.18 | 140,850 | 5000 | L. Patel |
| 87 | 07-15-21 | 28 | 5 | 5.99 | 11.98 | 28.18 | 160,000 | 5680 | L. Patel |
| 88 | 07-15-21 | 28 | 6 | 5.99 | 11.98 | 28.18 | 162,680 | 5770 | L. Patel |

*Indicates noncompliance with specifications
Remarks:

Concrete Placed: 80.0 cu. yds

Technician: P. Harrold

Depart Lab: 6:30 am
Depart Site: 10:00 am

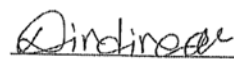
Arrive Site: 7:00 am
Arrive Lab: 10:30 am


Lunch: --- hrs.
Time: 4.0 hrs.

Distribution:

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

Invoice (1)


Dindinadh Bollarapu
Graduate Engineer


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

07/19/21
Date

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.: 255 B,1 of 1

Concrete Producer: Argos

Plant: No. 156

Date: 06-21-2021

Contractor: All Good Construction Co. In

Spec. No.: 530, 360

SAMPLING DATA

MIX DESIGN

| | | | | | | | |
|-------------------|-------------|----------------|-----------|------------------------------------|---|--------|------|
| Truck No. | Actual 2 | Ticket No. | 1564093 | ~ Verified @ Plant Class 3000-3 | ■ Supplied by Producer Mix No. H1 3805 | | |
| Time Batched | 11:50 am | Specifications | | Material | Type | Weight | Unit |
| Time Sampled | 12:10 pm | | | Cement | Type I/II | | lbs |
| Time in Mixer | 20 | Min. | Max. 90 | Flyash | | | lbs |
| Slump (1) | 2.0 | in. | 1.0 - 6.0 | in. Coarse Aggregate | | | lbs |
| Air Content (2) | 3.5 | % | 2.5 - 4.5 | % Fine Aggregate | Concrete Sand | | lbs |
| Unit Weight (3) | N/A | pcf | N/A | Admixture 1 | | | ozs |
| Yield | N/A | cu.ft | N/A | Admixture 2 | | | ozs |
| Water Added | 0 | gals | N/A | gals Admixture 3 | | | ozs |
| Ambient Temp | 88 | °F | Min. 40 | °F Water | | | lbs |
| Concrete Temp (4) | 90 | °F | Max. 90 | °F | | | |

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: ☒ 6" x 12" ~ 4" x 8" ~ 3" x 6" Initial Curing: Field Final Curing: Standard (Tanks)

General Location: Curb on Beechnut road, sta. no. 82+00 to 75+80 (Both sides), 70+70 to 67+15 (Both sides), 66+00 to 59+92 (North side)
59+92 to 56+05 (South side), 59+92 to 59+60 (North Side), 58+85 to 56+52 (North Side).

Sample Location: Sampled at 10.0 of 10.0 cubic yards at Sta. No. 83+00

| 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 I | | | | | | | | | |
| 89 | 06-28-21 | 7 | 5 | 6.00 | 12.00 | 28.27 | 108,780 | 3850 | A. Abraham |
| 90 | 06-28-21 | 7 | 5 | 6.00 | 12.00 | 28.27 | 105,760 | 3740 | A. Abraham |
| 91 | 07-19-21 | 28 | 6 | 5.99 | 11.98 | 28.18 | 125,280 | 4450 | L. Patel |
| 92 | 07-19-21 | 28 | 5 | 5.99 | 11.98 | 28.18 | 128,030 | 4540 | L. Patel |

*Indicates noncompliance with specifications

Concrete Placed: 30.0 cu. yds

Remarks:

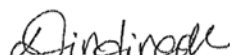
Technician: L. Patel
ACI I/ SB 102


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

Arrive Site: 10:30 am
Arrive Lab: 2:00 pm

Lunch: --- hrs.
Time: 4.0 hrs.

Distribution:
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

07/20/21
Date

REPORT OF CONCRETE CYLINDER TEST DATA

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

Project: Paving and Drainage Improvements on Beechnut Road
Client: Fort Bend County c/o RPS Infrastructure, Inc.
Concrete Producer: Argos Plant: 149
Contractor: All Good Construction Spec. No.: 03315

Job No.: 11503196-01
Report No.: 263 B, 1 of 1
Date: 06-24-2021

| SAMPLING DATA | | | | MIX DESIGN | | | |
|-------------------|--|----------------|----------|---------------------------------|---|---------------|------|
| Truck No. | Actual 1741 | Ticket No. | 14952895 | ~ Verified @ Plant Class --- | ■ Supplied by Producer Mix No. H1 002093 | | |
| Time Batched | 12:18 pm | Specifications | | Material | Type | Weight | Unit |
| Time Sampled | 1:18 pm | | | Cement | Type I/II | | lbs |
| Time in Mixer | 60 | Min. | Max. 90 | Flyash | | | lbs |
| Slump (1) | 5.0* | in. | 2 - 4 | in. | Coarse Aggregate | | lbs |
| RCCTD.REP | 2.5* | % | 3 - 5 | % | Fine Aggregate | Concrete Sand | lbs |
| Air Content | | | | | Admixture 1 | | ozs |
| Unit Weight (3) | N/A | pcf | | | Admixture 2 | | ozs |
| Yield | N/A | cu.ft | | | Admixture 3 | | ozs |
| Water Added | 0 | gals | | gals | Water | | lbs |
| Ambient Temp | 90 | °F | Min. 40 | °F | | | |
| Concrete Temp (4) | 88 | °F | Max. 90 | °F | | | |
| Weather | <input type="checkbox"/> Sunny <input type="checkbox"/> Cloudy <input checked="" type="checkbox"/> Partially Cloudy <input type="checkbox"/> Rainy | | | | | | |
| (1) ASTM C143 | (2) ~ ASTM C173 | ASTM C231 | | Required Strength | | psi @ | days |
| (3) ASTM C138 | (4) ASTM C1064 Capping Method: ASTM C1231 | | 4000 | | psi @ | 28 | days |
| Specimen Size: | ■ 6" ø x 12" ~ 4" ø x 8" ~ 3" ø x 6" | | | Initial Curing: Field | Final Curing: Standard (Tanks) | | |
| General Location: | Inlet at Sta. 70+45 West Bound, Sta. 81+50 East Bound, Sta. No. 78+98 East Bound and Sta. No. 77+00 East Bound | | | | | | |
| Sample Location: | Sampled at 10.0 of 10.0 cubic yards at East Bound at Sta. No. 77+00 Inlet | | | | | | |

| 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 I | | | | | | | | | |
| 93 | 07-01-21 | 7 | 2 | 5.98 | 11.99 | 28.09 | 137,000 | 4880 | L. Patel |
| 94 | 07-01-21 | 7 | 5 | 5.98 | 11.99 | 28.09 | 135,240 | 4810 | L. Patel |
| 95 | 07-22-21 | 28 | 6 | 5.98 | 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 noncompliance with specifications
Remarks: Total 4 Inlets are poured.

Concrete Placed: 10.0 cu. yds

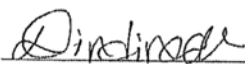
Technician: A. Mohiuddin
ACI I/ SB 102

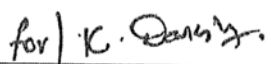
Depart Lab: ---
Depart Site: ---

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

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

Distribution:
City of Houston - Patricia Jennings, Bryan Castex, Dewey Pruitt, Plachette Williams (email)
Grava, LLC - Mike (email)
Invoice (1)


Dindinadh Bollarapu
Graduate Engineer

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

7/23/21
Date

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.: 269 A, 1 of 1

Concrete Producer: Argos

Plant: 143

Date: 07-02-2021

Contractor: All Good Constructions

Spec. No.: 360

SAMPLING DATA

MIX DESIGN

| | | | | | | | | | |
|-------------------|----------------|----------------|-----------|--------------------|------------------|---------------|------------------------|---------|----------------|
| Truck No. | Actual 5159 | Ticket No. | 14952992 | ~ Verified @ Plant | Class | --- | ■ Supplied by Producer | Mix No. | H1 000000 2069 |
| Time Batched | 4:18 am | Specifications | | Material | | Type | Weight | Unit | |
| Time Sampled | 5:10 am | | | Cement | | Type I/II | | lbs | |
| Time in Mixer | 52 | Min. | Max. 90 | Flyash | | | | lbs | |
| Slump (1) | 5.0 | in. | 1.0 - 6.0 | in. | Coarse Aggregate | 1.5 L.S. | | lbs | |
| Air Content (2) | 3.5 | % | 2.5 - 4.5 | % | Fine Aggregate | Concrete Sand | | lbs | |
| Unit Weight (3) | N/A | pcf | | | Admixture 1 | | | ozs | |
| Yield | N/A | cu.ft | | | Admixture 2 | | | ozs | |
| Water Added | 0 | gals | | gals | Admixture 3 | | | ozs | |
| Ambient Temp | 77 | °F | Min. 40 | °F | Water | | | lbs | |
| Concrete Temp (4) | 85 | °F | Max. 95 | °F | | | | | |

Weather: ☐ Sunny ☐ Cloudy ☐ Partially Cloudy ☐ Rainy ☒ Clear

(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: ■ 6" x 12" ~ 4" x 8" ~ 3" x 6" Initial Curing: Field Final Curing: Standard (Tanks)

General Location: Beechnut Road at Sta. No. 59+49 to 58+00 Median Drive way No. 9, Sta. No. 63+93, Drive way No. 1, Sta. No. 50+50

Sample Location: Sampled at 10.0 of 70.0 cubic yards at

| 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 I | | | | | | | | | |
| 97 | 07-09-21 | 7 | 5 | 5.99 | 11.98 | 28.18 | 131,580 | 4670 | L. Patel |
| 98 | 07-09-21 | 7 | 6 | 5.99 | 11.98 | 28.18 | 136,220 | 4830 | L. Patel |
| 99 | 07-30-21 | 28 | | | | | | | |
| 100 | 07-30-21 | 28 | | | | | | | |

*Indicates noncompliance with specifications

Concrete Placed: 130.0 cu. yds

Remarks:

Technician: B. Dilala

ACI I/ SB 101/102

Depart Lab: 3:30 am

Depart Site: 7:00 am

Arrive Site: 4:00 am

Arrive Lab: 7:30 am

Lunch: --- hrs.

Time: 4.0 hrs.

Distribution:

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

Grava, LLC - Mike (email)

Invoice (1)

Dindinadh
Dindinadh Bollarapu
Graduate Engineer

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

07/12/21
Date

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.: 269 B,1 of 1

Concrete Producer: Argos

Plant: 143

Date: 07-02-2021

Contractor: All Good Constructions

Spec. No.: 360

SAMPLING DATA

MIX DESIGN

| | | | | | | | |
|-------------------|----------------|----------------|-----------|---------------------------------|--|---------------|------|
| Truck No. | Actual 5159 | Ticket No. | 14952992 | ~ Verified @ Plant Class --- | ■ Supplied by Producer Mix No. H1 000000 2069 | | |
| Time Batched | 4:18 am | Specifications | | Material | Type | Weight | Unit |
| Time Sampled | 5:10 am | | | Cement | Type I/II | | lbs |
| Time in Mixer | 52 | Min. | Max. 90 | Flyash | | | lbs |
| Slump (1) | 5.0 | in. | 1.0 - 6.0 | in. | Coarse Aggregate | 1.5 L.S. | lbs |
| Air Content (2) | 3.5 | % | 2.5 - 4.5 | % | Fine Aggregate | Concrete Sand | lbs |
| Unit Weight (3) | N/A | pcf | | | Admixture 1 | | ozs |
| Yield | N/A | cu.ft | | | Admixture 2 | | ozs |
| Water Added | 0 | gals | | gals | Admixture 3 | | ozs |
| Ambient Temp | 77 | °F | Min. 40 | °F | Water | | lbs |
| Concrete Temp (4) | 85 | °F | Max. 95 | °F | | | |

Weather ☐ Sunny ☐ Cloudy ☐ Partially Cloudy ☐ Rainy ☒ Clear

(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: ■ 6" ø x 12" ~ 4" ø x 8" ~ 3" ø x 6"

Initial Curing: Field

Final Curing: Standard (Tanks)

General Location: Beechnut Road at Sta. No. 59+49 to 58+00 Median Drive way No. 9, Sta. No. 63+93, Drive way No. 1, Sta. No. 50+50

Sample Location: Sampled at 10.0 of 70.0 cubic yards at

| 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 I | | | | | | | | | |
| 97 | 07-09-21 | 7 | 5 | 5.99 | 11.98 | 28.18 | 131,580 | 4670 | L. Patel |
| 98 | 07-09-21 | 7 | 6 | 5.99 | 11.98 | 28.18 | 136,220 | 4830 | L. Patel |
| 99 | 07-30-21 | 28 | 5 | 5.99 | 11.99 | 28.18 | 152,190 | 5420 | L. Patel |
| 100 | 07-30-21 | 28 | 6 | 5.99 | 11.99 | 28.18 | 155,180 | 5510 | L. Patel |

*Indicates noncompliance with specifications

Concrete Placed: 130.0 cu. yds

Remarks: _____

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: 4.0 hrs.

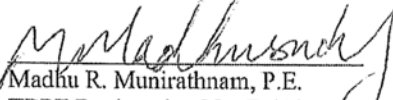
Distribution:

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


Date 08/02/21

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.: 270
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

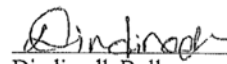
Note: Normal strength concrete initial (field) curing temperature should be: 60 – 80 °F
High early strength concrete (6000 psi and higher) should be: 68 – 78 °F

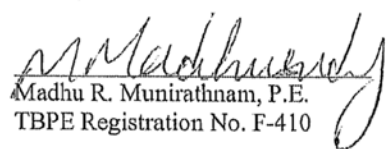
*Indicates non-compliance with ASTM requirements.

Remarks:

| | | | |
|-----------------------|------------------------------|------------------------------|------------------------|
| Technician: B. Dilala | Depart Lab: <u>11:30 am</u> | Arrive Site: <u>12:00 pm</u> | Lunch: <u>---</u> hrs. |
| ACI II/ SB 101/102 | Depart Site: <u>12:30 pm</u> | Arrive Lab: <u>1:00 pm</u> | Time: <u>1.5</u> hrs. |

Distribution:
Masterworks - Upload
Invoice (1)


Dindinadh Bollarapu
Graduate Engineer


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

07/07/21
Date

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.: 271
Date: 07-07-2021

Soil Description: Lime Treated Sub Grade

Curve No.: 02 MDD: 73.7 pcf OMC: 43.2 %

Specification: Item 220 Moisture Tolerance: 0, +3 % of OMC

Model: 3440 Serial No.: 25972 Standard Counts Density 1892 Moisture 624

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

| Test No. | Location | Elev. ft. | Lift | Dry density, pcf | Specification Requirements | |
|----------|--|-----------|-------|------------------|----------------------------|--------------------|
| | | | | | 43.2 - 46.2 | 95 + |
| | | | | | 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 |

*-Indicates noncompliance with specifications.

Remarks:

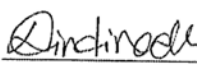
Technician: M. Blackmon
ACI I/SB 101/ 102/TxDOT 1B

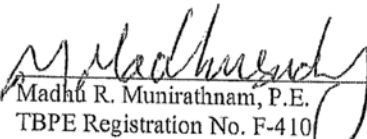
Depart Lab: 10:30 am
Depart Site: 4:30 pm

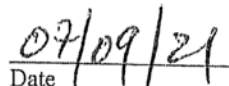
Arrive Site: 11:00 am
Arrive Lab: 5:00 pm

Lunch: 0.5 hrs.
Time: 6.0 hrs.

Distribution:
Masterworks - Upload
Invoice (1)


Dindinadh Bollarapu
Graduate Engineer


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


Date 07/09/21

REPORT OF DEPTH CHECK

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.: 272
Date: 07-07-2021

Specification: TxDOT Item 220

Material Description: Lime Treated Sub Grade

Method: G Coring G Auger ☒ Excavation

Layer Checked: G Base G Subbase ☒ Subgrade

| REQUIRED DEPTH: | | 8" |
|-----------------|---|------------|
| Core No. | Location | Depth, in. |
| | East Bound Lane, Beechnut Road, Sta. No. 72+00 to 75+00 | |
| 1 | Station No. 72+20 | 8" |
| 2 | Station No. 73+50 | 8" |
| 3 | Station No. 75+00 | 8" |
| | | |
| | | |
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*-Indicates noncompliance with specifications.

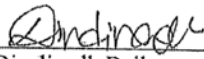
Remarks:

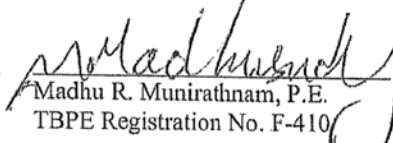
Technician: M. Blackmon
ACI I/ SB 101/102/TxDOT 1B

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

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

Distribution:
Masterworks - Upload
Invoice (1)


Dindinadh Bollarapu
Graduate Engineer


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

07/09/21
Date

DAILY INSPECTION REPORT – PROOF ROLLING

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.: 273
Date: 07-12-2021

Reported to the referenced project to observe the contractor proof roll the sub grade at the following locations:

West Bound Entrance into grand vista hills lane, station no. 66+50 to 65+55, NW section

The proof rolling was performed utilizing a fully loaded truck with soil.

~ 1) There were no soft or loose zones detected in these areas.

■ 2) There were soft or loose zones detected on

Station no. 66+40 & station no. 66+00

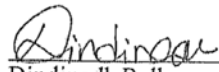
■ a) The contractor intends to under-cut the sub grade let it dry out then re compact.

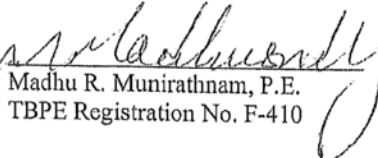
~ b) The contractor intends to stabilize the sub grade.

Remarks: Notified results to the inspector Woodford Lusk.

Technician: T. Mezgebe Depart Lab: 12:00 pm Arrive Site: 12:30 pm Lunch: --- hrs.
ACI I/SB 101-102 Depart Site: 3:00 pm Arrive Lab: 3:30 pm Time: 3.5 hrs.

Distribution:
Masterworks - Upload
Invoice (1)


Dindinadh Bollarapu
Graduate Engineer


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

07/13/21
Date

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.: 274
Date: 07-12-2021

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.

| Test No. | Location | Elev. ft. | Lift | Dry density, pcf | Specification Requirements | |
|----------|--|-----------|-------|------------------|----------------------------|--------------------|
| | | | | | 33.9 - 38.9 | 95 + |
| | | | | | In-place Moisture, % | Percent Compaction |
| 437 | Sub-Grade for Drive Way No. 01 at Station No. 49+93 to 50+53 (East half) | | | | | |
| | 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 | | | | | |
| 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 |

*-Indicates noncompliance with specifications.

Remarks: S.G.=Sub-Grade

Technician: T. Mezgebe

ACII/SB101/102/TxDOT1B

Depart Lab: ---

Depart Site: ---

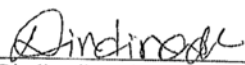
Arrive Site: ---

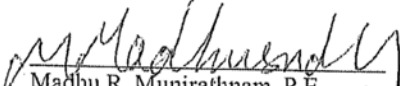
Arrive Lab: ---

Lunch: --- hrs.

Time: A.O.S. hrs.

Distribution:
Masterworks - Upload
Invoice (1)


Dindinadh Bollarapu
Graduate Engineer


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

07/14/21
Date

REPORT OF JOB CANCELLATION

Project: Paving and Drainage Improvements on Beechnut Road
Client: Fort Bend County c/o RPS Infrastructure, Inc.
Contractor: All Good Constructions

Job No.: 10503196-01
Report No.: 275
Date: 07-13-2021

Supplier:

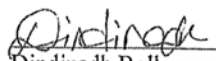
On 07-13-21, a Geotest Engineering representative was present at the above referenced project to perform Density and Proof roll.

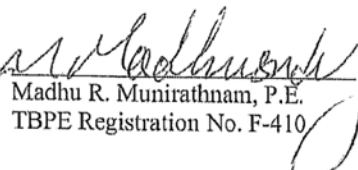
The job was cancelled due to the following reason:

- ☐ Rain and bad weather
☒ Contractor not ready
☐ Equipment breakdown
☒ Work placed on hold from 10:30 am to 2:00 pm
☐ Other

Technician: M. Blackmon Depart Lab: 10:00 am Arrive Site: 10:30 am Lunch: --- hrs.
ACI I/ SB 102/TxDOT 1B Depart Site: 2:00 pm Arrive Lab: 2:30 pm Time: 4.5 hrs.

Distribution:
Masterworks - Upload
Invoice (1)


Dindinadh Bollarapu
Graduate Engineer


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

07/15/21
Date

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 Construction

Job No.: 11503196-01
Report No.: 276
Date: 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 %

Specification: 02321 Moisture Tolerance: ± 3 % of OMC

Model: 3440 Serial No.: 25972 Standard Counts Density 1896 Moisture 623

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

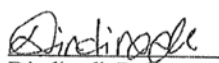
| Test No. | Location | Elev. ft. | Lift | Dry density, pcf | Specification Requirements | |
|----------|---|-----------|------|------------------|----------------------------|--------------------|
| | | | | | 11.0 – 17.0 | 95 + |
| | | | | | In-place Moisture, % | Percent Compaction |
| | Paving Improvements 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 |

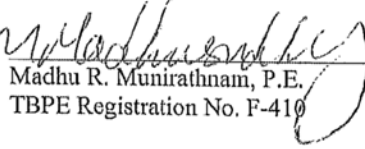
*-Indicates noncompliance with specifications.

Remarks:

Technician: M. Blackmon Depart Lab: 9:30 am Arrive Site: 10:00 am Lunch: 0.5 hrs.
ACII/SB102/101/TxDOT1B Depart Site: 5:00 pm Arrive Lab: 5:30 pm Time: 7.5 hrs.

Distribution:
Masterworks – Upload
Invoice (1)


Dindinadh Bollarapu
Graduate Engineer


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

07/19/21
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

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
Report No.: 277 A, 1 of 3
Date: 07-16-2021

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

| SAMPLING DATA | | | | | MIX DESIGN | | | | |
|--|--|----------------|-----------|------------------------------|------------------|---------------------------------------|------------------------|---------|----------------|
| Truck No. | 62652 | Ticket No. | 14953303 | ~ Verified @ Plant | Class | 1.5 LS | ■ Supplied by Producer | Mix No. | H1 000000 2069 |
| Time Batched | 4:31 am | Specifications | | Material | | Type | | Weight | Unit |
| Time Sampled | 5:23 am | | | Cement | | Type I/II | | | lbs |
| Time in Mixer | 52 | Min. | Max. 90 | Flyash | | | | | lbs |
| Slump (1) | 5.5 | in. | 1.0 - 6.0 | in. | Coarse Aggregate | | | | lbs |
| Air Content (2) | 3.5 | % | 2.5 - 4.5 | % | Fine Aggregate | Concrete Sand | | | lbs |
| Unit Weight (3) | N/A | pcf | N/A | | Admixture 1 | | | | ozs |
| Yield | N/A | cu.ft | N/A | | Admixture 2 | | | | ozs |
| Water Added | --- | gals | N/A | gals | Admixture 3 | | | | ozs |
| Ambient Temp | 79 | °F | Min. 40 | °F | Water | | | | lbs |
| Concrete Temp (4) | 85 | °F | Max. 90 | °F | | | | | |
| Weather <input type="checkbox"/> Sunny <input type="checkbox"/> Cloudy <input checked="" type="checkbox"/> Partially Cloudy <input type="checkbox"/> 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: | ■ 6" ø x 12" ~ 4" ø x 8" ~ 3" ø x 6" | | | Initial Curing: <u>Field</u> | | Final Curing: <u>Standard (Tanks)</u> | | | |
| General Location: | Beechnut Road East Bound Lane, Sta. No. 72+00 to 75+80 Paving and Drive way on W.B.L. at Sta. No. 44+12 to 50+53 | | | | | | | | |
| Sample Location: | Sampled at 10.0 of 100.0 cubic yards at Sta. No. 73+10. (Paving) | | | | | | | | |

| 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 I | | | | | | | | | |
| 101 | 07-23-21 | 7 | 5 | 5.99 | 11.99 | 28.18 | 156,430 | 5550 | L. Patel |
| 102 | 07-23-21 | 7 | 5 | 5.99 | 11.99 | 28.18 | 155,760 | 5530 | L. Patel |
| 103 | 08-13-21 | 28 | | | | | | | |
| 104 | 08-13-21 | 28 | | | | | | | |

*Indicates noncompliance with specifications

Remarks: _____

Concrete Placed: 300 cu. yds

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.: 277 A, 2 of 3

Concrete Producer: All Good Constructions

Plant: 149

Date: 07-16-2021

Contractor: Argon

Spec. No.: 360

Dispatch No. All Good Construction

| SAMPLING DATA | | | | | MIX DESIGN | | | | |
|--|---|----------------|------------------|-------------------|------------------------------|---------------|---------------------------------------|-----------------------------|-----------|
| Truck No. | Actual 6252 | Ticket No. | | 14953313 | ~ Verified @ Plant Class | 1.5 LS | ■ Supplied by Producer Mix No. | H1 000000 2069 | |
| Time Batched | 6:00 am | Specifications | | | Material | | Type | Weight | Unit |
| Time Sampled | 7:00 am | | | | Cement | | Type I/II | | lbs |
| Time in Mixer | 60 | Min. | Max. | 90 | Flyash | | | | lbs |
| Slump (1) | 5.5 | in. | 1.0 - 6.0 | in. | Coarse Aggregate | | | | lbs |
| Air Content (2) | 4.0 | % | 2.5 - 4.5 | % | Fine Aggregate | | Concrete Sand | | lbs |
| Unit Weight (3) | N/A | pcf | N/A | | Admixture 1 | | | | ozs |
| Yield | N/A | cu.ft | N/A | | Admixture 2 | | | | ozs |
| Water Added | --- | gals | N/A | gals | Admixture 3 | | | | ozs |
| Ambient Temp | 80 | °F | Min. 40 | °F | Water | | | | lbs |
| Concrete Temp (4) | 84 | °F | Max. 90 | °F | | | | | |
| Weather <input type="checkbox"/> Sunny <input type="checkbox"/> Cloudy <input checked="" type="checkbox"/> Partially Cloudy <input type="checkbox"/> 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: <input checked="" type="checkbox"/> 6" x 12" ~ 4" x 8" ~ 3" x 6" | | | | | Initial Curing: <u>Field</u> | | Final Curing: <u>Standard (Tanks)</u> | | |
| General Location: Beechnut Road, East Bound Lane, Sta. No. 72+00 to 75+80 Paving | | | | | | | | | |
| Sample Location: Sampled at 10.0 of 190.0 cubic yards at Sta. No. 75+50. (Paving) | | | | | | | | | |
| 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 | | | | | | | | | |
| 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 | | | | | | | |
| 108 | 08-13-21 | 28 | | | | | | | |

*Indicates noncompliance with specifications

Concrete Placed: 300.0 cu. yds

Remarks: _____

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
Report No.: 277 A, 3 of 3
Date: 07-16-2021

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

Concrete Producer: All Good Constructions

Plant: 149

Contractor: Argos

Spec. No.: 360

Dispatch No. All Good Construction

SAMPLING DATA

MIX DESIGN

| | | | | | | | |
|-------------------|----------------|----------------|-----------|------------------------------------|--|--------|------|
| Truck No. | Actual 1719 | Ticket No. | 14953320 | ~ Verified @ Plant Class 1.5 LS | ■ Supplied by Producer Mix No. H1 000000 2069 | | |
| Time Batched | 6:41 am | Specifications | | Material | Type | Weight | Unit |
| Time Sampled | 7:55 am | | | Cement | Type I/II | | lbs |
| Time in Mixer | 74 | Min. | Max. 90 | Flyash | | | lbs |
| Slump (1) | 5.0 | in. | 1.0 – 6.0 | in. Coarse Aggregate | | | lbs |
| Air Content (2) | 4.0 | % | 2.5 – 4.5 | % Fine Aggregate | Concrete Sand | | lbs |
| Unit Weight (3) | N/A | pcf | N/A | Admixture 1 | | | ozs |
| Yield | N/A | cu.ft | N/A | Admixture 2 | | | ozs |
| Water Added | --- | gals | N/A | gals Admixture 3 | | | ozs |
| Ambient Temp | 81 | °F | Min. 40 | °F Water | | | lbs |
| Concrete Temp (4) | 83 | °F | Max. 90 | °F | | | |

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: ■ 6" ø x 12" ~ 4" ø x 8" ~ 3" ø x 6" Initial Curing: Field Final Curing: Standard (Tanks)

General Location: Beechnut Road East Bound Lane, Sta. No. 72+00 to 75+80 Paving and

Drive way on W.B.L. at Sta. No. 44+12 to 50+53

Sample Location: Sampled at 10.0 of 230.0 cubic yards at Sta. No. 44+12. (Drive way)

| 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 I | | | | | | | | | |
| 109 | 07-23-21 | 7 | 5 | 5.99 | 11.99 | 28.18 | 145,580 | 5170 | L. Patel |
| 110 | 07-23-21 | 7 | 5 | 5.99 | 11.99 | 28.18 | 148,420 | 5270 | L. Patel |
| 111 | 08-13-21 | 28 | | | | | | | |
| 112 | 08-13-21 | 28 | | | | | | | |

*Indicates noncompliance with specifications

Concrete Placed: 300.0 cu. yds

Remarks: _____

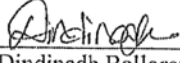
Technician: B. Dilala
ACI I/ SB 102

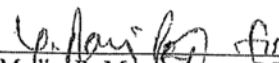
Depart Lab: 3:15 am
Depart Site: 9:15 am

Arrive Site: 3:45 am
Arrive Lab: 9:45 am

Lunch: --- hrs.
Time: 6.5 hrs.

Distribution:
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

07-26-21
Date

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 07-17-21, a total of twelve (12) cylinders, cast on 07-16-21, 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 °F
High early strength concrete (6000 psi and higher) should be: 68 – 78 °F

*Indicates non-compliance with ASTM requirements.

Remarks:

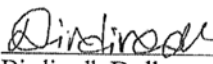
Technician: B. Dilala
ACI I/ SB 102

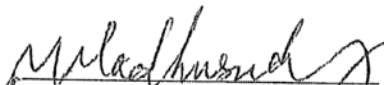
Depart Lab: 8:15 am
Depart Site: 9:30 am

Arrive Site: 8:45 am
Arrive Lab: 10:00 am

Lunch: --- hrs.
Time: 1.75 hrs.

Distribution:
Masterworks - Upload
Invoice (1)


Dindinadh Bollarapu
Graduate Engineer


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

07/21/21
Date

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 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.: 01 MDD: 107.5 pcf OMC: 14.0 %

Specification: 02321 Moisture Tolerance: ± 3 % of OMC

Model: 5001 Serial No.: 4728 Standard Counts Density 2432 Moisture 491

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

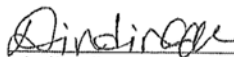
| Test No. | Location | Elev. ft. | Lift | Dry density, pcf | Specification Requirements | |
|----------|--|-----------|-------|------------------|----------------------------|--------------------|
| | | | | | 11.0 – 17.0 | 95 + |
| | | | | | In-place Moisture, % | Percent Compaction |
| | Subgrade for 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 |

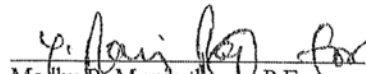
*-Indicates noncompliance with specifications.

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

Technician: S. Vaghefi Depart Lab: 10:00 am Arrive Site: 10:30 am Lunch: -- hrs.
ACII/SB102/101/TxDOT1B Depart Site: 4:30 pm Arrive Lab: 5:00 pm Time: 7.0 hrs.

Distribution:
Masterworks – Upload
Invoice (1)


Dindinadh Bollarapu
Graduate Engineer


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

07-26-21
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: 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.: 280
Date: 07-26-2021

Reported to the referenced project to observe 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 & East Bound Lane at station no. 83+00 to 85+60

Beechnut rd.

The proof rolling was performed utilizing a fully loaded dump truck.

~ 1) There 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. 10+50 to 13+71 on Westmoor Dr

■ a) The contractor intends to under-cut the sub grade let it dry out then re compact.

~ b) The contractor intends to stabilize the sub grade.

Remarks: Notified results to the inspector WR and All Good Foreman Benardo.

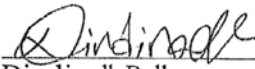
Technician: M. Blackmon
ACI I/SB 101-102

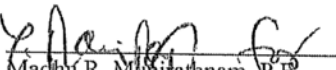
Depart Lab: 1:30 pm
Depart Site: 5:00 pm

Arrive Site: 2:00 pm
Arrive Lab: 5:30 pm

Lunch: ---- hrs.
Time: 4.0 hrs.

Distribution:
Masterworks - Upload
Invoice (1)


Dindinadh Bollarapu
Graduate Engineer


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

07-27-2021
Date

DAILY INSPECTION REPORT – PROOF ROLLING

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.: 281
Date: 07-27-2021

Reported to the referenced project to observe the contractor proof roll the 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 of Grand vista rd, station no. 66+00 to 66+50 and East Bound Lane of beechnut road, station no. 86+75 to 88+70.

The proof rolling was performed utilizing a fully loaded dump truck.

~ 1) There were no soft or loose zones detected in these areas.

■ 2) 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) The contractor intends to under-cut the sub grade let it dry out then re compact.

■ b) The contractor intends to stabilize the sub grade.

Remarks: Notified results to the inspector WR.

Technician: T. Mezegebe
ACI I/SB 101-102

Depart Lab: 8:30 am
Depart Site: 3:45 pm

Arrive Site: 9:00 am
Arrive Lab: 4:15 pm

Lunch: ---- hrs.
Time: 7.75 hrs.

Distribution:
Masterworks - Upload
Invoice (1)

Dindinadh
Dindinadh Bollarapu
Graduate Engineer

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

07-28-21
Date

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.: 282
Date: 07-27-2021

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

Curve No.: 01 MDD: 107.5 pcf OMC: 14.0 %

Specification: 02321 Moisture Tolerance: ± 3 % of OMC

Model: HS 5001 EZ Serial No.: 9684 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, pcf | 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: ---

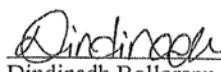
Lunch: --- hrs.

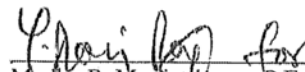
Time: A.O.S. hrs.

Distribution:

Masterworks - Upload

Invoice (1)


Dindinadh Bollarapu
Graduate Engineer


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

07-29-21
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-JREP

DAILY INSPECTION REPORT – PROOF ROLLING

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.: 283
Date: 07-28-2021

Reported to the referenced project to observe 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 rolling was performed utilizing a fully loaded dump truck.

~ 1) There 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. 10+50 to 13+71 on Westmoor Dr

■ a) The contractor intends to under-cut the sub grade let it dry out then re compact.

~ b) The contractor intends to stabilize the sub grade.

Remarks: Notified results to the inspector WR.

Technician: O. Rasuly
ACI I/SB 102

Depart Lab: 4:00 pm
Depart Site: 5:00 pm

Arrive Site: 4:30 pm
Arrive Lab: 5:30 pm

Lunch: ---- hrs.
Time: 1.5 hrs.

Distribution:
Masterworks - Upload
Invoice (1)

Dindinadh
Dindinadh Bollarapu
Graduate Engineer

Y. Ravi Reddy for
Madhu R. Munirathnam, P.E.
TBPE Registration No. F-410

07-29-21
Date

REPORT OF PERCENT SOLIDS IN LIME SLURRY

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.: 284
Date: 07-29-2021

Supplier: Lhoist N. America
Type: Type B: Lime Slurry
Specification: 220
Material Description: Lime Treated Sub Grade

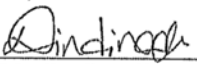
| SPECIFICATION REQUIREMENTS: | | | | | Min. 35% |
|-----------------------------|------------|---------------------------------|------------------|------------------------------|----------|
| Sample No. | Ticket No. | Location | Specific Gravity | lbs of Dry Solids per gallon | % Solids |
| | | East Bound Lane Beechnut Street | | | |
| 1 | 660014611 | Station No. 82+90 to 83+92 | 1.272 | 4.16 | 39.2 |
| 2 | 660014619 | Station No. 82+90 to 83+92 | 1.300 | 4.58 | 42.3 |
| 3 | 660014623 | Station No. 82+90 to 83+92 | 1.300 | 4.58 | 42.3 |
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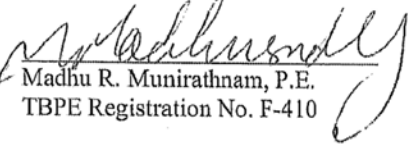
*-Indicates noncompliance with specifications

Remarks:

Technician: M. Blackmon Depart Lab: 7:30 am Arrive Site: 8:00 am Lunch: 0.5 hrs.
ACI I/ SB 101/102/TxDOT 1B Depart Site: 5:30 pm Arrive Lab: 6:00 pm Time: 10.0 hrs.

Distribution:
Masterworks - Upload
Invoice (1)


Dindinadh Bollarapu
Graduate Engineer

 08/02/21
Madhu R. Munirathnam, P.E.
TBPE Registration No. F-410 Date

REPORT OF FIELD LIME SLURRY APPLICATION RATE

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.: 285
Date: 07-29-2021

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

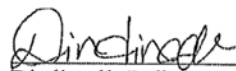
| Sample No. | Truck No. | Ticket No. | Location | Stabilized Area (sq. yds.) | Net Weight of Lime (tons) | Application Rate (lbs./sq. yds) |
|------------|-----------|------------|---|----------------------------|---------------------------|---------------------------------|
| 1 | 10153265 | 660014611 | 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 |
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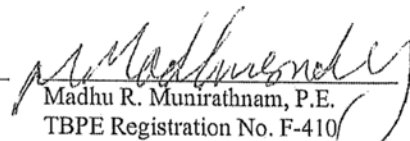
*-Indicates noncompliance with specifications

Remarks:

Technician: M. Blackmon Depart Lab: --- Arrive Site: --- Lunch: --- hrs.
ACI I/ SB 101/102/TxDOT 1B Depart Site: --- Arrive Lab: --- Time: A.O.S. hrs.

Distribution:
Distribution:
Masterworks - Upload
Invoice (1)


Dindinadh Bollarapu
Graduate Engineer

 08/02/21
Madhu R. Munirathnam, P.E.
TBPE Registration No. F-410
Date

DAILY INSPECTION REPORT – PROOF ROLLING

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.: 286
Date: 07-29-2021

Reported to the referenced project to observe the contractor proof roll the sub grade at the following locations:

North and South Bound Lane, Sta. No. 10+50 to 13+71 Westmoor Drive

The proof rolling was performed utilizing a fully load dump truck

■ 1) There were no soft or loose zones detected in these areas.

~ 2) There were soft or loose zones detected at the following locations:

~ a) The contractor intends to under-cut the sub grade to firm soils and backfill with select fill or other suitable material.

~ b) The contractor intends to stabilize the sub grade.

Remarks: _____

Technician: M. Blackmon

ACI I/ SB 101/102/TxDOT 1B

Depart Lab: ---

Depart Site: ---

Arrive Site: ---

Arrive Lab: ---

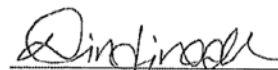
Lunch: --- hrs.


Time: A.O.S. hrs.

Distribution:

Masterworks - Upload

Invoice (1)


Dindinadh Bollarapu
Graduate Engineer


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

08/02/21
Date

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.: 287 A, 1 of 1

Concrete Producer: Argos

Plant: 149

Date: 07-30-2021

Contractor:

Spec. No.:

Dispatch No. 33658

| SAMPLING DATA | | | | | MIX DESIGN | | | | |
|-------------------|--|------------------------------------|----------|------------------------------|------------------|---------------------------------------|------------------------|---------|---------|
| Truck No. | 1221 | Ticket No. | 14953642 | ~ Verified @ Plant | Class | --- | ■ Supplied by Producer | Mix No. | H1 2069 |
| Time Batched | 8:42 am | Specifications | | Material | | Type | | Weight | Unit |
| Time Sampled | 9:50 am | | | Cement | | Type I/II | | | lbs |
| Time in Mixer | 68 | Min. | Max. 90 | Flyash | | | | | lbs |
| Slump (1) | 5.5 | in. | ** | in. | Coarse Aggregate | | | | lbs |
| Air Content (2) | 3.1 | % | ** | % | Fine Aggregate | Concrete Sand | | | lbs |
| Unit Weight (3) | N/A | pcf | | | Admixture 1 | | | | ozs |
| Yield | N/A | cu.ft | | | Admixture 2 | | | | ozs |
| Water Added | 10 | gals | | gals | Admixture 3 | | | | ozs |
| Ambient Temp | 86 | °F | Min. 40 | °F | Water | | | | lbs |
| Concrete Temp (4) | 90 | °F | Max. 90 | °F | | | | | |
| Weather | <input checked="" type="checkbox"/> Sunny <input type="checkbox"/> Cloudy <input type="checkbox"/> Partially Cloudy <input type="checkbox"/> Rainy | | | | | | | | |
| (1) ASTM C143 | (2) ~ ASTM C173 | <input type="checkbox"/> ASTM C231 | | Required Strength | | psi @ | | days | |
| (3) ASTM C138 | (4) ASTM C1064 Capping Method: ASTM C1231 | | | | | ** psi @ | | days | |
| Specimen Size: | ■ 6" Ø x 12" ~ 4" Ø x 8" ~ 3" Ø x 6" | | | Initial Curing: <u>Field</u> | | Final Curing: <u>Standard (Tanks)</u> | | | |
| General Location: | Paving Median Crossover from West Bound to E Bound from Sta. No. 50+40 to 51+50 | | | | | | | | |
| Sample Location: | Sampled at 10.0 of 10.0 cubic yards at Sta. No. 51+20, 20' from W.B. Edge | | | | | | | | |

| 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 I | | | | | | | | | |
| 113 | 08-06-21 | 7 | | 6.00 | 12.00 | 28.27 | | | |
| 114 | 08-06-21 | 7 | | 6.00 | 12.00 | 28.27 | | | |
| 115 | 08-27-21 | 28 | | 6.00 | 12.00 | 28.27 | | | |
| 116 | 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.

ACI I/ SB 101/102/TxDOT IB

Depart Site: 3:15 pm

Arrive Lab: 3:45 pm

Time: 7.75 hrs.

Distribution:

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

Grava, LLC - Mike (email)

Invoice (1)

Sai Dandamudi
Graduate Engineer

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

Date

REPORT OF PERCENT SOLIDS IN LIME SLURRY

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.: 288
Date: 07-30-2021

Supplier: Lhoist N. America
Type: Type B: Lime Slurry
Specification: 220
Material Description: Lime Slurry

| SPECIFICATION REQUIREMENTS: | | | | | Min. % |
|-----------------------------|------------|----------------------------|------------------|------------------------------|----------|
| 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 |
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*-Indicates noncompliance with specifications

Remarks:

Technician: S. Vaghefi Depart Lab: --- Arrive Site: --- Lunch: --- hrs.
ACII/ SB 101/102/TxDOT 1B Depart Site: --- Arrive Lab: --- Time: A.O.S. hrs.

Distribution:
Masterworks - Upload
Invoice (1)

Dindinadh
Dindinadh Bollarapu
Graduate Engineer

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

028/07/21
Date

REPORT OF FIELD LIME SLURRY APPLICATION RATE

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.: 289
Date: 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

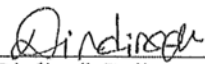
| Sample No. | Truck No. | Ticket No. | Location | Stabilized Area (sq. yds.) | Net Weight of Lime (tons) | Application Rate (lbs./sq. yds) |
|------------|-----------|------------|----------------------------|----------------------------|---------------------------|---------------------------------|
| | | | 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 |
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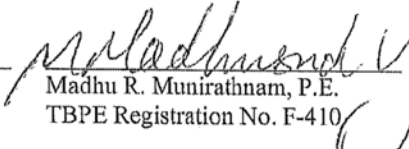
*-Indicates noncompliance with specifications

Remarks:

Technician: S. Vaghefi Depart Lab: --- Arrive Site: --- Lunch: --- hrs.
ACI I/ SB 101/102/TxDOT 1B Depart Site: --- Arrive Lab: --- Time: A.O.S. hrs.

Distribution:
Distribution:
Masterworks - Upload
Invoice (1)


Dindinadh Bollarapu
Graduate Engineer


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

28/04/21
Date

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.: 290
Date: 07-31-2021

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

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

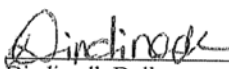
Note: Normal strength concrete initial (field) curing temperature should be: 60 – 80 °F
High early strength concrete (6000 psi and higher). should be: 68 – 78 °F

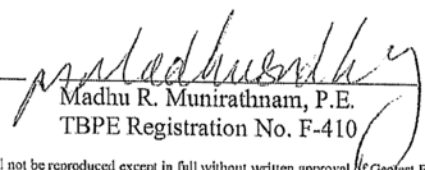
*Indicates non-compliance with ASTM requirements.

Remarks: (6" x 12")

| | | | |
|----------------------------|----------------------|----------------------|------------------|
| Technician: S. Vaghefi | Depart Lab: 8:30 am | Arrive Site: 9:00 am | Lunch: ---- hrs. |
| ACI I/ SB 101/102/TxDOT 1B | Depart Site: 9:30 am | Arrive Lab: 10:00 am | Time: 1.5 hrs. |

Distribution:
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Dindinadh Bollarapu
Graduate Engineer


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

08/04/21
Date