



REPORT: **QMP Concrete Paving - Field Testing Report**

LAB NO: 16-4374

Project: CTH M - CTH E - CTH GG, Union Pacific Railroad Bridge SP#
6723-00-71

Location:

Client: Augelli Concrete & Excavating, LLC

Acct. No: AUGELLI

Client PO:

Report Date: 09/07/2016

Date Sampled: 09/06/2016

Sampled By: Kurey, Travis

By Order Of: Client

Order Number:

Report No: 16-4374

Project No: 5174

TEST RESULTS

The following activities were observed on this date: 9/6/16

Estimated quantity of concrete placed by Slipform Paver: 0

Number of batches (loads) tested on Slipform concrete: NA

Estimated quantity of concrete placed by Hand: 64.5

Number of batches (loads) tested on Handwork concrete: 2

Representative sample(s) were tested for slump, air content, temperature and specimens were cast, as required.
Please see the following pages for test results and sampling information.

Remarks: Please see attached PCC Data Sheet(s).

Orig: Augelli Concrete & Excavating, LLC
(Richland Center, WI) Attn: Tony Augelli
(1-ec copy)
1-ec Strand Assoc. Attn: Mr. Trenton Diehl

Respectfully Submitted,
GeoTest, Inc.

Andrew Davis, Operations Manager



PCC DATA SHEET

Lab No.: 16-4374-1

PROJECT INFORMATION

| | | |
|-------------------------------|------------------------|--------------------------|
| Project No.: 5174 | WisDOT No.: 6723-00-71 | Date: 9-6-16 |
| Name: CTH-M, E, GG Bridge | Client Job No.: | Proj. Mgr.: Dave Hassman |
| Client Name: Augelli Concrete | Client P.O. No.: | Tech: Travis Kurey |

PLACEMENT TIMES AND MIX INFORMATION

| | | |
|---------------------------------|-------------------------------|---------------------|
| Time First Load Placed: 10:10 | Concrete Supplier: Carew | Slump Cone ID: 3 |
| Time Last Load Placed: 14:05 | Batch Plant Site: Waupun | AE Meter ID: 25 |
| Time Tech Arrived at Site: 9:00 | Placement Contractor: Augelli | Thermometer ID: A-5 |
| Time Tech Departed Site: 14:15 | Mix. ID: 4020420026 | Scale ID: — |

PLACEMENT LOCATIONS AND WEATHER DATA

| | |
|---|--------------------------------|
| Structure Cast: <input checked="" type="checkbox"/> Pavement <input type="checkbox"/> Slip Form <input checked="" type="checkbox"/> Side Form <input type="checkbox"/> Ancillary <input type="checkbox"/> Structure | Total Cubic Yards Placed: 64.5 |
| Specific Location / Stationing: Bridge = B-11-0156 North & South Approach Slabs | |
| Temp. High: 87° | Temp. Low: 72° |
| Wind: SSW 12 mph | Cloud Cover: Partly |
| Rain: None | |

SPECIMEN INFORMATION

| | | |
|---|-----------------------|---|
| Date Cast: 9-6-16 | Cast By: Travis Kurey | Cylinder Protection: <input type="checkbox"/> Heated Trailer <input type="checkbox"/> Unheated Trailer |
| Date Rec'd: | Rec'd By: | <input checked="" type="checkbox"/> Water Bath <input type="checkbox"/> Cooled Trailer <input type="checkbox"/> Cure Box <input type="checkbox"/> No Protection |
| <input type="checkbox"/> Samples picked up by GeoTest (initials) | | <input type="checkbox"/> Samples delivered by client (name) |
| Specimen Type: <input type="checkbox"/> 2" <input type="checkbox"/> 3" <input type="checkbox"/> 4" <input checked="" type="checkbox"/> 6" <input type="checkbox"/> Cube <input type="checkbox"/> Beam <input checked="" type="checkbox"/> Cylinder <input type="checkbox"/> Other | | |
| Test Ages: 3 @ 28 days @ days @ days @ days @ Hold | | |

CONCRETE FIELD TEST DATA

1-1

QA

| Lot / Test No.: | NR | 16-4374-1-1 | QA | | |
|-------------------------------------|---|---|---|--|--|
| Lab No. - Set No.: | | | | | |
| Specimen Type: | QC <input checked="" type="checkbox"/> Comp. <input type="checkbox"/> QV <input type="checkbox"/> Opener <input type="checkbox"/> | QC <input checked="" type="checkbox"/> Comp. <input type="checkbox"/> QV <input type="checkbox"/> Opener <input type="checkbox"/> | QC <input type="checkbox"/> Comp. <input type="checkbox"/> QV <input checked="" type="checkbox"/> Opener <input type="checkbox"/> | QC <input type="checkbox"/> Comp. <input type="checkbox"/> QV <input type="checkbox"/> Opener <input type="checkbox"/> | QC <input type="checkbox"/> Comp. <input type="checkbox"/> QV <input type="checkbox"/> Opener <input type="checkbox"/> |
| Total cyl's per set: | — | 3 | 3 | | |
| Sample Time: | 10:15 | 10:15 | 12:35 | | |
| Load No.: | 1 | 1 | 4 | | |
| Ticket No.: | 527776 | 527776 | 527783 | | |
| Truck No.: | 800 | 500 | 568 | | |
| Load Size / Cum. Amount Placed, cy: | 10 / 10 | 10 / 10 | 10 / 40 | 1 | 1 |
| Location or Sta. Sampled: | North Approach Slab | North Approach Slab | South Approach Slab | | |
| Sampling Point: | Truck <input checked="" type="checkbox"/> Paver <input type="checkbox"/> Pump <input type="checkbox"/> Other <input type="checkbox"/> | Truck <input type="checkbox"/> Paver <input type="checkbox"/> Pump <input type="checkbox"/> Other <input checked="" type="checkbox"/> | Truck <input type="checkbox"/> Paver <input type="checkbox"/> Pump <input type="checkbox"/> Other <input checked="" type="checkbox"/> | Truck <input type="checkbox"/> Paver <input type="checkbox"/> Pump <input type="checkbox"/> Other <input type="checkbox"/> | Truck <input type="checkbox"/> Paver <input type="checkbox"/> Pump <input type="checkbox"/> Other <input type="checkbox"/> |
| Water Added, gal: | — | — | — | | |
| Concrete Temp, F: | 83° | 83° | 84° | | |
| Air Temp., F: | 74° | 74° | | | |
| Wet Weight, lbs: | — | — | — | | |
| Unit Weight, pcf: | — | — | — | | |
| Air Meter Reading: | 6.2 | 6.2 | 6.9 | | |
| Air Correction Factor, %: | 0.3 | 0.3 | 0.3 | | |
| Air Content, %: | 5.9 | 5.9 | 6.6 | | |
| Slump, in: | 2" | 2" | 2.75" | | |
| Communicate Test Result | <input checked="" type="checkbox"/> Engr <input checked="" type="checkbox"/> Client | <input checked="" type="checkbox"/> Engr <input checked="" type="checkbox"/> Client | <input checked="" type="checkbox"/> Engr <input checked="" type="checkbox"/> Client | <input type="checkbox"/> Engr <input type="checkbox"/> Client | <input type="checkbox"/> Engr <input type="checkbox"/> Client |

Rev. # 1

Authorized By: J. Anderson

Authorized Date: 3/28/12

Logged In By: _____ Date: _____ PM Review By: _____ Date: _____

Page 1 of 1



PCC DATA SHEET

Lab No.: 16-4374-2

| PROJECT INFORMATION | | | | | |
|--|--|-------------------------------|---|---|--|
| Project No.: 5174 | | WisDOT No.: 6723-00-71 | | Date: 9-6-16 | |
| Name: CTH-M E, GG Bridge | | Client Job No.: | | Proj. Mgr.: Dave Hassman | |
| Client Name: Augelli Concrete | | Client P.O. No.: | | Tech: Travis Kurey | |
| PLACEMENT TIMES AND MIX INFORMATION | | | | | |
| Time First Load Placed: 10:10 | | Concrete Supplier: Carew | | Slump Cone ID: 3 | |
| Time Last Load Placed: 14:05 | | Batch Plant Site: Waupun | | AE Meter ID: 25 | |
| Time Tech Arrived at Site: 9:00 | | Placement Contractor: Augelli | | Thermometer ID: 1-5 | |
| Time Tech Departed Site: 14:15 | | Mix. ID: 4020420020 | | Scale ID: — | |
| PLACEMENT LOCATIONS AND WEATHER DATA | | | | | |
| Structure Cast: <input checked="" type="checkbox"/> Pavement <input type="checkbox"/> Slip Form <input checked="" type="checkbox"/> Side Form <input type="checkbox"/> Ancillary <input type="checkbox"/> Structure | | | | Total Cubic Yards Placed: 64.5 | |
| Specific Location / Stationing: Bridge = D-11-0156 North & South Approach Slabs | | | | | |
| Temp. High: 87° | | Temp. Low: 72° | | Wind: SSW 12mph | |
| | | | | Cloud Cover: Partly | |
| | | | | Rain: None | |
| SPECIMEN INFORMATION | | | | | |
| Date Cast: 9-6-16 | | Cast By: Travis Kurey | | Cylinder Protection: <input type="checkbox"/> Heated Trailer <input type="checkbox"/> Unheated Trailer | |
| Date Rec'd: | | Rec'd By: | | <input type="checkbox"/> Water Bath <input type="checkbox"/> Cooled Trailer <input type="checkbox"/> Cure Box <input checked="" type="checkbox"/> No Protection | |
| <input type="checkbox"/> Samples picked up by GeoTest (initials) | | | <input type="checkbox"/> Samples delivered by client (name) | | |
| Specimen Type: <input type="checkbox"/> 2" <input type="checkbox"/> 3" <input type="checkbox"/> 4" <input checked="" type="checkbox"/> 6" <input type="checkbox"/> Cube <input type="checkbox"/> Beam <input checked="" type="checkbox"/> Cylinder <input type="checkbox"/> Other | | | | | |
| Test Ages: @ days @ days @ days @ days @ Hold | | | | | |
| CONCRETE FIELD TEST DATA | | | | | |
| Lot / Test No.: | | | | | |
| Lab No. - Set No.: 16-4374-2-1 | | | | | |
| Specimen Type: QC <input type="checkbox"/> Comp. <input type="checkbox"/> QC <input type="checkbox"/> Comp. <input type="checkbox"/> QC <input type="checkbox"/> Comp. <input type="checkbox"/> QC <input type="checkbox"/> Comp. <input type="checkbox"/> QC <input type="checkbox"/> Comp. <input type="checkbox"/> | | | | | |
| QV <input type="checkbox"/> Opener <input checked="" type="checkbox"/> QV <input type="checkbox"/> Opener <input type="checkbox"/> QV <input type="checkbox"/> Opener <input type="checkbox"/> QV <input type="checkbox"/> Opener <input type="checkbox"/> QV <input type="checkbox"/> Opener <input type="checkbox"/> | | | | | |
| Total cyl's per set: 6 | | | | | |
| Sample Time: 10:15 | | | | | |
| Load No.: 1 | | | | | |
| Ticket No.: 527776 | | | | | |
| Truck No.: 500 | | | | | |
| Load Size / Cum. Amount Placed, cy: 10 / 10 / / / | | | | | |
| Location or Sta. Sampled: North Approach Slab | | | | | |
| Sampling Point: Truck <input type="checkbox"/> Paver <input type="checkbox"/> Truck <input type="checkbox"/> Paver <input type="checkbox"/> Truck <input type="checkbox"/> Paver <input type="checkbox"/> Truck <input type="checkbox"/> Paver <input type="checkbox"/> Truck <input type="checkbox"/> Paver <input type="checkbox"/> | | | | | |
| Pump <input type="checkbox"/> Other <input checked="" type="checkbox"/> Pump <input type="checkbox"/> Other <input type="checkbox"/> Pump <input type="checkbox"/> Other <input type="checkbox"/> Pump <input type="checkbox"/> Other <input type="checkbox"/> Pump <input type="checkbox"/> Other <input type="checkbox"/> | | | | | |
| Water Added, gal: — | | | | | |
| Concrete Temp, F: 83° | | | | | |
| Air Temp., F: 79° | | | | | |
| Wet Weight, lbs: — | | | | | |
| Unit Weight, pcf: — | | | | | |
| Air Meter Reading: 6.2 | | | | | |
| Air Correction Factor, %: 5.40.3 | | | | | |
| Air Content, %: 5.9 | | | | | |
| Slump, in: 3" | | | | | |
| Communicate Test Result: <input checked="" type="checkbox"/> Engr <input checked="" type="checkbox"/> Client <input type="checkbox"/> Engr <input type="checkbox"/> Client <input type="checkbox"/> Engr <input type="checkbox"/> Client <input type="checkbox"/> Engr <input type="checkbox"/> Client <input type="checkbox"/> Engr <input type="checkbox"/> Client | | | | | |

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Page 1 of 1

CONCRETE
WisDOT QUALITY MANAGEMENT PROGRAM
RANDOM SAMPLE SELECTION FORM - VOLUMETRIC

PROJECT

CTH-M, E, GG Bridge

DATE

9-6-16

PROJECT NO.

5174

TASK NO.

TECH.

Travis Kurey

CONTRACTOR

Augelli Concrete & Excavating, LLC

MIX BEING SAMPLED:

SAMPLED FROM:



TRUCK



ROADWAY

BATCH PLANT SITE

Wapuna

LOT SIZE DETERMINATION

TOTAL PLANNED PRODUCTION, c.y. (A) =

60 cyds

NUMBER OF TESTS, n = A / Lot Size

1 per 250 cyds

SAMPLING POINT DETERMINATION (VOLUME)

| SUBLOT NO. | RANDOM NUMBER (CALCULATOR) (D) | FREQUENCY (LOT SIZE) (C) | LOT VALUE (C) X (D) | PLUS FINAL YARDAGE PREVIOUS LOT | CUBIC YARD POINT FOR SAMPLING | LOCATION/ STATION |
|------------|--------------------------------|--------------------------|---------------------|---------------------------------|-------------------------------|-------------------|
| 1 | 0.079 | 60 | 4.74 | 0 | 5 | 5cyds |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

EXTRA AIR TESTS RANDOM NUMBER DETERMINATION (WARNING BAND CORRECTIVE ACTION - DOUBLE TESTING FREQUENCY)

| SUBLOT NO. | RANDOM NUMBER (CALCULATOR) (D) | FREQUENCY (LOT SIZE) (C) | LOT VALUE (C) X (D) | PLUS FINAL YARDAGE PREVIOUS LOT | CUBIC YARD POINT FOR SAMPLING | LOCATION/ STATION |
|------------|--------------------------------|--------------------------|---------------------|---------------------------------|-------------------------------|-------------------|
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |