

# TENNESSEE CONCRETE MAGAZINE

Summer 2019  
VOL. 33, NO. 2

2019 MEMBERSHIP DIRECTORY

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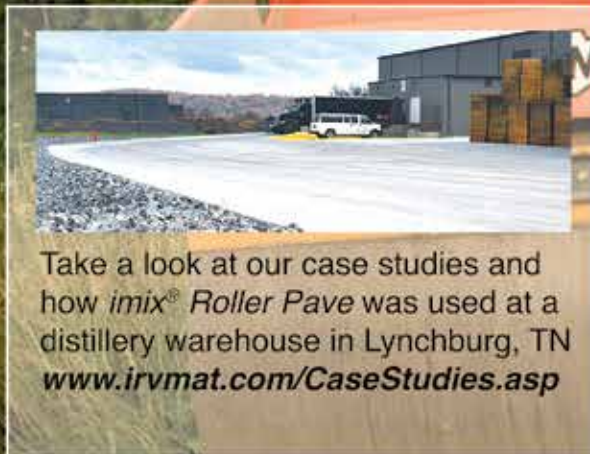




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**Tim Costo**  
2019 TCA President

# PRIVILEGE BRINGS RESPONSIBILITY

**W**hat an exciting time for your Tennessee Concrete Association! And what a privilege for me and the rest of your TCA Board of Directors to be leading our association as we look toward a dynamic future.

We recognize that privilege brings responsibility, and we take that responsibility very seriously. Our recent Board meeting in Destin had 100 percent attendance and 100 percent participation. It was a time of celebration to be sure – we were able to look back on the efforts of more than three years of what often seemed an endless process that culminated on June 13 with the successful sale of TCA's Fort Negley campus. Thanks to previous TCA Boards that had the courage and foresight to purchase this property more than a decade ago, TCA was able to capture the tangible benefit of Nashville's dramatic growth through the sale of our property.

And thanks to the work and planning of our current Board, we already had a new location under contract and were able to close on that transaction the following week (June 19). Our new home is located about a mile east of I-24 at 12872 Old Hickory Boulevard in the Cane Ridge/Antioch community. The new location puts us in closer proximity to the CIM program at MTSU, and right next door to Cane Ridge High School and their concrete technology concentration for high school students. With 4.98 acres we have room to grow and expanded opportunities to show off all the cool things that concrete can accomplish.

Let me assure our entire membership that your Board is committed to being good stewards as your association relocates and as we construct a new home for TCA. The Board has created a Building Committee to oversee this process and they will be working closely with our Executive Director (Alan Sparkman) throughout the planning, design and construction process. All of our work is at the very early stage as I write this, but look for more information and updates as we move forward with the creation of new home for our Tennessee concrete industry.

*-Tim Costo*

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construct a new  
home for TCA.





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**Alan Sparkman**  
Executive Director

**What if every  
single act of  
design and  
construction  
made the world  
a better place?**



Achieving this high standard will not be easy — but we want to demonstrate that concrete can be used to build at the very highest levels of sustainable construction.

# A BETTER PLACE

**W**elcome to the Summer issue of *Tennessee Concrete* magazine. This issue contains our printed membership directory for 2019 so it's a great issue to keep handy throughout the year as you are looking for nearly anything related to concrete construction in Tennessee. You can also head to our website ([www.tnconcrete.org](http://www.tnconcrete.org)) to access our searchable online directory that is always up-to-date with all of TCA's member organizations, plus lots of other great and interesting information.

Our cover art depicts TCA's new home base (see President Costo's column for more info) and represents a very early schematic design concept of what we will eventually build on the site. This picture will come into sharper focus over the next few months, and we hope to move into actual construction on the site early in 2020.

While we don't yet know exactly what size or shape our new building(s) will be, we do know that whatever we build will showcase concrete's many advantages as the world's best building material. We used concrete to create a unique and remarkable environment at our current location in Nashville over the past decade and the move to a new location gives us an even bigger opportunity to demonstrate what concrete can do.

We will be working to qualify our new campus as a Living Building under the International Living Building Institute's Living Building Challenge (LBC) — you can find more information about the LBC here: <https://living-future.org/lbc/>. The basic premise of the LBC revolves around this question: *What if every single act of design and construction made the world a better place?*

Achieving this high standard will not be easy — but we want to demonstrate that concrete can be used to build at the very highest levels of sustainable construction. This quest to use concrete to make our world a better place hits every pillar of TCA's mission statement: Learn, Expand, Accelerate, Demonstrate. Our team will be learning what is needed to meet the rigorous standards imposed by the LBC and we will be sharing what we learn with the rest of the concrete industry, not just in Tennessee but across the US. What we learn will help us expand concrete's presence across the entire sustainable construction market while lowering our industry's environmental impacts. TCA's project will serve as a learning laboratory so that what we learn can help accelerate adoption of concrete building methods in larger projects and allow our industry to contribute in a meaningful way to accelerated adoption of structures that are resilient, efficient, economical and attractive. Finally, in a very tangible, touchable, practical way we will demonstrate our learning by creating a campus that turns the "What if" question posed by the LBC into a "Here's How It's Done."

TCA's current campus demonstrates what a powerful statement our members can make when they work together, and we intend to apply this learning to the development of our new home. If you or your organization would like to partner with TCA as we create our new showcase I encourage you to reach out and get your ideas on the table. Reach me at: [asparkman@tnconcrete.org](mailto:asparkman@tnconcrete.org).

*Let's go make the world a better place!*

*—Alan Sparkman*

# Going Past TDOT Specifications to Lower Concrete Permeability

## Part 3: Life in the Fast Lane

### SERIES OVERVIEW

This four-part series of papers report the findings of an ongoing investigation into Tennessee Department of Transportation (TDOT) Class D concrete specifications (1) to increase surface resistivity (SR). The investigation explores both exceeding limitations on currently approved TDOT supplementary cementing materials (SCMs) and using SCMs not currently approved by TDOT. All concrete mixtures used in the investigation met TDOT's Class D concrete plastic and hardened property requirements (1). Further, all concrete mixtures used in the investigation were constrained to meet the following criteria:

- Water-cementing materials-ratio (w/cm) = 0.37
- Design air content of 7%
- Total cementing materials = 620-lbs/CY
- Same brand and type of Portland cement
- Same source and size of coarse aggregate
- Same source of fine aggregate

- Fine aggregate as a percentage of total aggregate by volume (FA/TA) of approximately 38%
- Same three TDOT-approved chemical admixtures

These additional constraints should facilitate easier comparison of the concrete mixtures used. It is important to note that the w/cm = 0.37 and FA/TA ~ 38% are not considered optimal, but rather that these values met TDOT Class D concrete specifications and have worked well for the authors. The authors hope mixture designers and concrete professionals find the information useful.

In Part 3, some mixtures that have a good chance of reaching the SR "Very Low" category in 7 days are examined. The final article in the series is titled "New Kid in Town" and will examine ground pumice as an SCM.

**TABLE 1. CURING TIME REQUIRED FOR SOME MIXTURES TO REACH SURFACE RESISTIVITY CHLORIDE PERMEABILITY CATEGORIES**

CURING DAYS	MODERATE (SR≥12) (2000≤RCP≤4000)		LOW (SR≥21) (1000≤RCP≤2000)	VERY LOW (SR≥37) (100≤RCP≤1000)	
7	100PC (Smith) 35SL (Current) 40-55SL (Current) 35SL/15F (Smith))	30SL/20F (Smith) 35SL25F(Scott) 3.5MK20F (Eagan	60 or 65SL (Current)		
14	5SF25C (Eagan)		35SL (Current) 40-55SL (Current) 35SL/15F (Smith) 30SL/20F (Smith)	35SL25F (Scott) 3.5MK20F (Eagan) 5MK25C (Eagan)	60 or 65SL (Current)
21	–		3.5SF20F (Eagan) 5SF25C (Eagan)	55SL (Current)	
28	20 or 25F (Current) 25C (Smith)	50C (Eagan) 30 or 35F (Current)	–	50SL (Current) 35SL25F (Scott)	
42	–		30 or 35F (Current)	45SL (Current) 35SL/15F (Smith) 30SL/20F (Smith)	5SF25C (Eagan) 5MK25C (Eagan)
56	–		50C (Eagan)	40SL (Current) 3.5MK20F(TC Fall 2013) 3.5SF20F (TC Fall 2013)	5MK25C (TC W 13/14) 5SF25C (TC W 13/14) 3MK35F (TC W13/14)



# Going Past TDOT Specifications to Lower Concrete Permeability

## Part 3: Life in the Fast Lane

### INTRODUCTION

#### *The Need for Speed*

Table 1 shows curing time required to reach various SR chloride permeability categories for several mixtures. Mixtures highlighted in yellow met TDOT Class D concrete specifications (1). Words or phrases in parenthesis following the mixtures indicate the various projects analyzed. Projects entitled Current indicate the four part “Going Past TDOT Specifications to Lower SR” study. Names indicate the work of former master’s students: Caleb Smith (2), Cory Scott (3) and Blakeslee Eagan (4). TC indicates a past issue of Tennessee Concrete (5, 6). The red fill in Table 1 shows the obvious gap in current mixtures that the authors are attempting to address. TDOT 604.23 require bridge decks to be cured for at least seven days (1). The authors believe it would be ideal to reach the SR “Very Low” category in the TDOT required curing time. The authors believe this to be important since any additional curing is dependent on coating integrity or favorable weather conditions. Eagan (4) provided initial findings investigating this topic.

### MATERIALS AND PROCEDURE

The materials shown in column 1 of Table 2 are TDOT-approved with the exception of metakaolin. The proportions of the six mixtures used in the study (see Table 2) were determined by trial batching. All six final mixtures met TDOT Class D concrete plastic and hardened property requirements. Table 3 shows TDOT requirements for minimum cementing materials, w/cm ratio, FA/TA, and allowable SCM replacement percentages. All mixtures met Table 3 criteria except for the maximum SCM replacement percentage. Six batches of each mixture were produced and tested as per Table 4.

#### *A Fortunate Near Miss*

The authors were attempting to develop “Fast Lane” mixtures that would reach the SR “Very Low” chloride permeability category in 7 days or less. However, Table 1 also shows that there are no current TTU ternary mixtures that reach the “Low” category in 7 days or the “Very Low” category in 14 days. Therefore, even though early indications were that the 45% slag 3% metakaolin mixture would not be a “Fast Lane” mixture, six larger batches were made and tests were conducted out to 14 days.

### RESULTS AND DATA QUALITY

Tables 5 and 6 show 7-day compressive strength and 7-day absorption results, respectively. SR results for 3, 5, and 7 days are shown in Table 7. In addition, 10 and 14-day SR results are shown for the 45% slag, 3% metakaolin mixture in Table 7. The acceptable range of hardened properties was determined by obtaining the standard deviation or coefficient of variation from the appropriate test method and multiplying by an ASTM C 670 factor for the number of test results (10). The multi-laboratory precision was used for 4×8-inch cylinders since AASHTO T 22 states that preparation of cylinders by different operators would probably increase the variation above multi-laboratory precision criteria (7). All hardened property test results met the acceptable precision criteria. Unfortunately, no precision criteria are available for hardened concrete absorption after boiling.

### ANALYSIS OF RESULTS

#### *Rate of Increase of SR Results*

The curing time required to reach various SR chloride permeability categories are shown in Table 8 for mixtures from parts 1, 2, and 3. “Fast Lane” and “Near Fast Lane” mixtures are highlighted in green and light blue, respectively. Mixtures meeting current TDOT 604.03 Class D requirements for maximum SCM substitution are highlighted in yellow.

Figure 1 shows the development of SR of “Fast Lane” mixtures. A “Fast Lane” mixture is defined as a mixture that reaches the SR “Moderate,” “Low,” and “Very Low” SR chloride permeability categories by 3, 5, and 7 days, respectively. A ternary mixture (35% Slag / 15% Class F fly ash) and a mixture containing no SCMs meeting TDOT 604.03 Class D requirements are shown for speed references in Figure 1.

The development of SR of the “Near Fast Lane” mixture is shown in Figure 2. A “Near Fast Lane” mixture is defined as a mixture that reaches the SR “Moderate,” “Low,” and “Very Low” SR chloride permeability categories by 5, 7, and 14 days, respectively. A ternary mixture (35% Slag / 15% Class F fly ash), a 25% Class F fly ash mixture and a mixture containing no SCMs all meeting TDOT 604.03 Class D requirements are shown for speed references in Figure 2. Table 8 suggests that 60 and 65% Grade 120 Slag mixtures (from Part 2) may qualify as “Near Fast Lane” mixtures. Unfortunately, 5-day results are not available for these mixtures.



**TABLE 2. MIXTURES USED**

COMPONENT	60SL/5MK	55SL/5MK	55SL/4MK	60SL/3MK	45SL/3MK	70SL
Type I PC, (lbs/CY)	217	248	254.2	229.4	322.4	186
Grade 120 Slag, (lbs./CY)	372	341	341	372	279	434
Metakaolin, (lbs/CY)	31	31	24.8	18.6	18.6	0
No. 57 Stone, (SSD lbs/CY)	1862	1863	1864	1863	1865	1863
River Sand, (SSD lbs/CY)	1123	1123	1125	1123	1125	1125
Water, (lbs/CY)	229.5	229.5	229.5	229.5	229.5	229.5
Design Percent Air, (%)	7	7	7	7	7	7
Air Entrainment, (oz/cwt)	2.01	2.01	2.46	2.00	2.30	2.14
Mid-Range Water Reducer, (oz/cwt)	5.0	5.0	5.0	5.0	5.0	5.0
High-Range Water Reducer, (oz/cwt)	4.24	4.24	3.13	3.13	4.85	2.23

**TABLE 3. COMPARISON OF MIXTURES USED WITH TDOT CLASS D PCC REQUIREMENTS**

QUANTITY/RATIO/PERCENTAGE	TDOT 604.03 CLASS D PCC REQUIREMENT	60SL/5MK	55SL/5MK	55SL/4MK	60SL/3MK	45SL/3MK	70SL
Cementing Materials Content (lbs/CY)	620 minimum	620	620	620	620	620	620
W/CM Ratio	0.40 maximum	0.37	0.37	0.37	0.37	0.37	0.37
Percent Fine Aggregate by Total Aggregate Volume	44 maximum	38	38	38	38	38	38
Percent Grade 120 Slag Substitution (by Weight) for PC	35 maximum	60	55	55	60	45	70
Percent Metakaolin Substitution (by Weight) for PC	Not Allowed	5	5	4	3	3	0

**TABLE 4. TESTING PROTOCOL USED TO EVALUATE EACH MIXTURE**

TEST METHOD	FREQUENCY	SPECIMENS
Compressive Strength, AASHTO T22 (7)	3 @ 7 days	4 x 8 cyinders
Surface Resistivity, AASHTO T 95-11 (8)	3 @ 3, 5, and 7 days	7-day compressive strength 4 x 8 cylinders
Hardened Concrete Absorption, ASTM C642 (9)	3 @ 7 days	3 x 6 cylinders

**TABLE 5. 56-DAY MEAN SURFACE RESISTIVITY RESULTS FOR PC AND FLY ASH MIXTURES**

MIXTURE	BATCH 1	BATCH 2	BATCH 3	BATCH 4	BATCH 5	BATCH 6	MEAN	RANGE	ALLOWABLE RANGE
60SL/5MK	6610	6560	6690	6670	6060	6370	6493	630	831
55SL/5MK	6440	6150	6480	6000	6270	6420	6293	480	806
55SL/4MK	6060	6030	5770	6290	6330	6200	6113	560	783
60SL/3MK	5920	6220	6280	5940	6010	5810	6030	470	772
45SL/3MK	5880	6230	6300	6360	6390	6130	6215	510	796
70SL	5320	5390	5480	5440	5310	5330	5378	170	688

# Going Past TDOT Specifications to Lower Concrete Permeability

## Part 3: Life in the Fast Lane

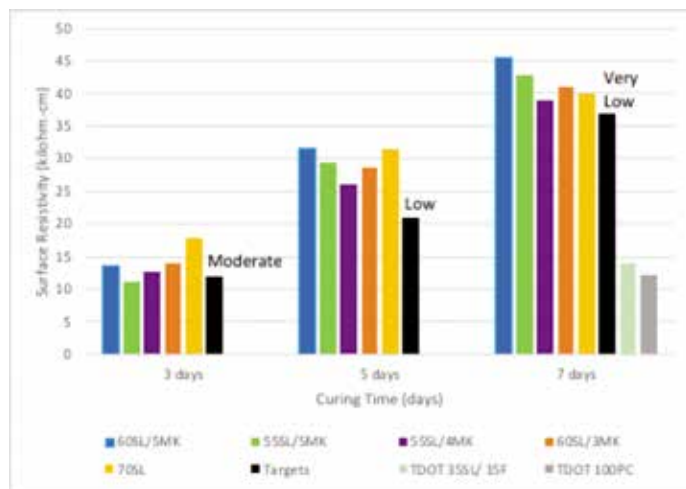


Figure 1: Surface Resistivity Development of Fast Lane Mixtures

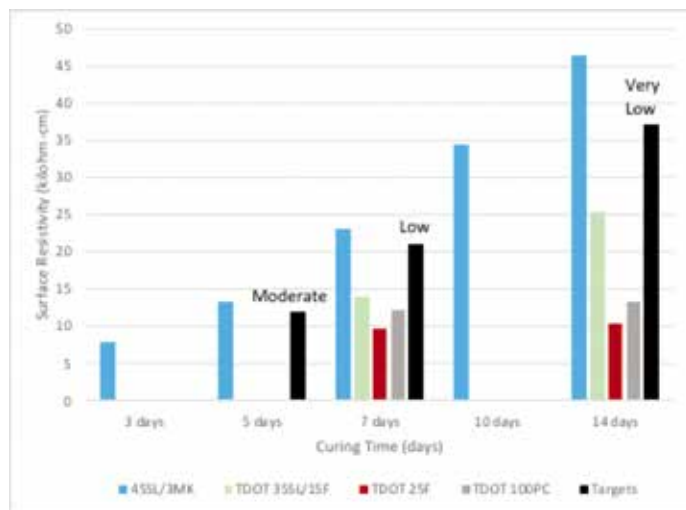


Figure 2: Surface Resistivity Development of the Near Fast Lane Mixture

Table 9 shows an update of the 7 and 14-day rows of Table 1. “Fast Lane” and “Near Fast Lane” mixtures are included in Table 9. “Fast Lane” and “Near Fast Lane” mixtures are highlighted in green and light blue, respectively. Mixtures meeting current TDOT 604.03 Class D requirements for maximum SCM substitution are highlighted in yellow. This update means there is now a binary and ternary mixture choice for the 7 and 14-day “Low” and “Very Low” SR chloride permeability categories.

### Compressive Strength Analysis

The 7-day compressive strength results shown in Table 5 all exceed the 28-day TDOT Class D specification requirement by at least 1300-psi. The results for the six mixtures in the study appear to have no discernable trend on compressive strength as percent slag substitution increases.

### Absorption Analysis

The hardened concrete absorption after boiling results shown in Table 6 are acceptable but not exceptional when compared to high performance concrete results of less than 5.0% (11). The results for the all six mixtures in the study range from 5.60 to 6.04% and appear to have no discernable trend on the absorption after boiling as percent slag substitution increases.

### Material Cost Analysis

Table 10 (see page 28) shows material cost assumptions for concrete materials except water. Calculations using Table 2 mixture proportions and Table 10 cost assumptions were used to generate Figure 3. Slag mixture costs from Part 2 and 25% Class F fly ash mixture costs from Part 1 of the study are shown in Figure 3 for comparison. The ternary “Fast Lane” mixtures all have a higher cost than the Grade 120 Slag mixtures from Part 2. Using the TDOT-approved 25% Class F fly ash mixture from Part 1 as a standard for reference, “Fast Lane” and “Near Fast Lane” mixtures ranged from 3.5 to 17.7% higher in cost. Therefore, material cost would not be a major factor in mixture choice.

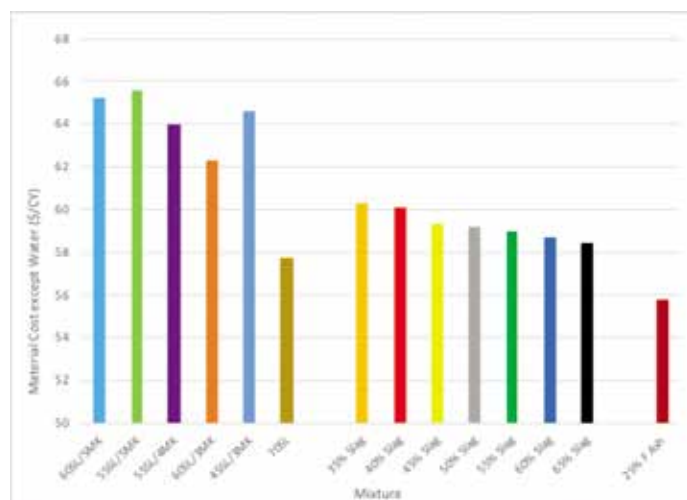


Figure 3: Material Cost Comparisons



**TABLE 6. 7-DAY ABSORPTION AFTER BOILING RESULTS AND RANGE (%)**

MIXTURE	BATCH 1	BATCH 2	BATCH 3	BATCH 4	BATCH 5	BATCH 6	MEAN	RANGE
60SL/5MK	5.48	5.78	5.76	5.70	5.92	5.55	5.70	0.44
55SL/5MK	5.63	5.39	5.81	5.52	5.65	5.59	5.60	0.42
55SL/4MK	5.88	6.02	5.96	6.22	5.95	6.23	6.04	0.35
60SL/3MK	5.78	5.79	5.85	5.74	5.70	5.69	5.76	0.16
45SL/3MK*	5.66	5.56	5.71	5.42	5.65	5.61	5.60	0.29
70SL	5.98	6.05	5.93	5.98	6.10	6.19	6.04	0.26

\*7-day not available, 14-day results shown

**TABLE 7. SURFACE RESISTIVITY RESULTS AND DATA QUALITY**

MIXTURE	TEST AGE (DAYS)	MEAN RESULT (k $\Omega$ -CM)	RANGE OF RESULTS (k $\Omega$ -CM)	ALLOWABLE RANGE OF RESULTS (k $\Omega$ -CM)
60SL/5MK	3	13.7	1.5	6.9
60SL/5MK	5	31.7	1.7	15.9
60SL/5MK	7	45.5	2.2	22.7
5SL/5MK	3	11.2	1.3	5.6
5SL/5MK	5	29.3	1.2	14.7
5SL/5MK	7	42.8	1.5	21.4
55SL/4MK	3	12.6	0.8	6.3
55SL/4MK	5	26.0	2.0	13.0
55SL/4MK	7	38.9	4.2	19.4
60SL/3MK	3	14.1	0.8	7.1
60SL/3MK	5	28.7	1.8	14.3
60SL/3MK	7	40.9	2.3	20.5
45SL/3MK	3	7.9	0.8	4.0
45SL/3MK	5	13.3	0.7	6.7
45SL/3MK	7	23.1	0.8	11.5
45SL/3MK	10	34.5	1.5	17.2
45SL/3MK	14	46.4	2.3	23.2
70SL	3	17.8	2	8.9
70SL	5	31.5	3.6	15.8
70SL	7	40.0	3.6	20.0

# Going Past TDOT Specifications to Lower Concrete Permeability

## Part 3: Life in the Fast Lane

### Cautionary Statement

Life in the “Fast Lane” can be very exciting. However, caution should be exercised to maintain control over the situation. “Fast Lane” and “Near Fast Lane” mixtures are considerably diverse when compared to current TDOT Class D mixtures. “Fast Lane” and “Near Fast Lane” mixtures should be thoroughly verified in the laboratory prior to use. If the laboratory investigations are deemed acceptable, an experimental field placement should be placed and monitored for further verification.

### CONCLUSIONS

Life in the fast lane (low permeability) is possible. Four ternary and one binary concrete mixture were developed that achieved “Moderate,” “Low,” and “Very Low” SR permeability categories at 3, 5 and 7 days, respectively. The mixtures developed could reach the SR “Very Low” permeability category within the 7-day minimum curing period required by TDOT 604.23 specifications. Doing so, these mixtures would not be dependent on coating integrity or favorable weather for additional curing. All of the mixtures met and exceeded TDOT 604.03 Class D plastic and hardened concrete property requirements while exceeding the specification’s allowable SCM substitutions.

### DISCLAIMER

The opinions expressed herein are those of the authors and not necessarily the opinions of the Tennessee Department of Transportation (TDOT) or the Tennessee Concrete Association (TCA).

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### ACKNOWLEDGEMENTS

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In addition, the authors would like to thank Mark Davis and Perry Melton for their patience and skill in fabrication, maintenance, and repair of the equipment.

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**TABLE 8. COMPARISON OF CURING TIMES REQUIRED TO REACH SURFACE RESISTIVITY CHLORIDE PERMEABILITY CATEGORIES FOR CURRENT STUDY MIXTURES**

MIXTURE	MODERATE (SR ≥ 12) (2000 ≤ RCP ≤ 4000)	LOW (SR ≥ 21) (1000 ≤ RCP ≤ 2000)	VERY LOW (SR ≥ 37) (100 ≤ RCP ≤ 1000)
60SL/5MK	3 days	5 days	< 7 days
55SL/5MK	< 5 days	5 days	< 7 days
55SL/4MK	3 days	5 days	7 days
60SL/3MK	3 days	5 days	7 days
45SL/3MK	5 days	7 days	< 14 days
70% Grade 120 Slag	< 3 days	< 7 days	7 days
65% Grade 120 Slag	< 7 days	7 days	14 days
60% Grade 120 Slag	< 7 days	7 days	14 days
55% Grade 120 Slag	7 days	14 days	21 days
50% Grade 120 Slag	7 days	14 days	28 days
45% Grade 120 Slag	7 days	14 days	42 days
40% Grade 120 Slag	7 days	14 days	56 days
35% Grade 120 Slag	7 days	14 days	Did Not Reach
20% Class F Fly Ash	28 days	Did Not Reach	Did Not Reach
25% Class F Fly Ash	28 days	Did Not Reach	Did Not Reach
30% Class F Fly Ash	28 days	42 days	Did Not Reach
35% Class F Fly Ash	28 days	42 days	Did Not Reach

**TABLE 9. CURING TIME REQUIRED FOR SOME MIXTURES TO REACH SURFACE RESISTIVITY CHLORIDE PERMEABILITY CATEGORIES**

CURING DAYS	MODERATE (SR ≥ 12) (2000 ≤ RCP ≤ 4000)	LOW (SR ≥ 21) (1000 ≤ RCP ≤ 2000)	VERY LOW (SR ≥ 37) (100 ≤ RCP ≤ 1000)
7	100PC (Smith) 35SL (Current) 40-55SL (Current) 35SL/15F (Smith) 30SL/20F (Smith) 35SL25F (Scott) 3.5MK20F (Eagan)	60 or 65SL (Current) 45SL/3MK	60SL/5MK 55SL/5MK 55SL/4MK 60SL/3MK 70SL
14	55F25C (Eagan)	35SL (Current) 40-55SL (Current) 35SL/15F (Smith) 30SL/20F (Smith) 35SL25F (Scott) 3.5MK20F (Eagan) 5MK25C (Eagan)	60 or 65SL (Current) 45SL/3MK

See Table 10 on page 29 ►

# 2019 Tennessee Concrete Association Membership Directory



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**certification**  
To verify an individual's ACI Certifications, visit:  
<http://bit.ly/2adlqlf>

## TCA Services & STAFF

The Tennessee Concrete Association (TCA) was founded in 1986 to promote the increased use of ready mixed concrete in Tennessee. Our mission statement is: "The TCA is the unified voice for the concrete industry to improve our image and awareness through advocacy, promotion and education that support our members, our community, and our future." We work to fulfill this mission in all of our activities. We invite you to join us in building a concrete industry we can all be proud of.

Supported primarily by membership dues, the association is governed by a 12 member board of directors elected annually by members. The board includes 8 Ready-mixed Producer members, 3 Associate members and 1 Affiliate member.

## Association STAFF



**Alan Sparkman**  
Executive Director



**Darla Sparkman**  
Director of Certifications & Events



**Donna Thompson**  
Marketing, Online Learning & Event Manager



**Julia Hudson**  
Online Education Coordinator



## 2019 TCA PROGRAMS

**Annual Convention** – Brings all members together to celebrate the year's accomplishments and to learn about the latest issues.

**Tennessee Concrete Magazine** – Published 3 times annually with research reports and current industry articles.

**Membership Directory** – Published annually (Summer issue of TNConcrete magazine) with information advertising your company.

**Member Updates** – Throughout the year (via email), to keep you informed of Association programs, industry activities, and promotional events.

**Concrete Excellence Awards** – Design, Construction and Environmental awards for projects and plants across Tennessee.

**Product Demonstrations & Seminars** – Decorative, Pervious, Insulated Concrete Forms, Whitetopping, Flowable Fill and more ....

**Statewide High School Concrete Essay Contest**

**Trade Show Displays**

**Concrete Career Academy** – Our new online learning system offers prep courses to help concrete professionals prepare for certification courses in flatwork, and more. <https://www.pathlms.com/cca>

**TCA Website** – [www.tnconcrete.org](http://www.tnconcrete.org) and visit us on Facebook at <https://www.facebook.com/tnconcrete/>

### Training and Certification

- ACI Field Testing Technician, Grade 1
- ACI Flatwork Finisher & Technician
- ACI Decorative Concrete Flatwork
- ACI Adhesive and Anchor Inspector
- ACI Aggregate/Soils Best Testing Tech 1 & 2
- ACI Concrete Laboratory Testing Technician Grade 1 & 2
- ACI Concrete Construction Special Inspector
- ACI Concrete Strength Testing Technician
- ACI Concrete Transportation Construction Inspector
- ACI Self-Consolidating Concrete Testing Technician
- NRMCA Certified Driver Training
- NRMCA Certified Concrete Production Technologist
- NRMCA Pervious Installer Certification
- NRMCA Certified Concrete Sales Professional
- NRMCA Volumetric Mixer Operator Certification

## Past TCA PRESIDENTS

**1986-1987**

**Reid Brown, PH.D.**  
Vulcan Materials  
Chattanooga

**1988**

**Richard Jones, Jr.**  
Southdown, Inc.  
Knoxville

**1989**

**Bob Mayfield**  
Forcum-Lannom  
Dyersburg

**1990**

**Craig Kirchoff**  
Lone Star Industries  
Nashville

**1991**

**Joe Fowler**  
American Limestone Co.  
Knoxville

**1992**

**Ernie Walker, Sr.**  
Transit-Mix Concrete  
Johnson City

**1993-1994**

**E.H. (Sonny) Garrott III**  
Garrott Bros. Continuous Mix  
Galatin

**1995-1996**

**Joe Bigford**  
City Concrete Co.  
Jackson

**1997-1998**

**Carl Storms**  
Concrete Materials Inc.  
Morristown

**1998-1999**

**Joe Fulks**  
Harper Construction  
Shelbyville

**1999-2000**

**Mike Carrier**  
Carrier Concrete  
Memphis

**2000-2001**

**Walter Law**  
Ready Mix Concrete  
Maryville

**2001-2002**

**Bob Haldrup**  
Irving Materials, Inc.  
Nashville

**2002-2003**

**John Loven**  
Loven Ready Mix  
Greeneville

**2003-2004**

**Steve Herron**  
Metro Ready Mix  
Nashville

**2004-2005**

**Greg Garren**  
Union Concrete  
Maynardville

**2005-2006**

**Jim Hughes**  
Builders Supply Co.  
Cookeville

**2006-2007**

**Rick Odle**  
Southern Concrete  
Products  
Jackson

**2007-2008**

**Dennie Underwood**  
Blalock Ready Mix  
Sevierville

**2008-2009**

**John Curtis**  
Irving Materials, Inc.  
Nashville

**2009-2010**

**Phillip Palczar**  
City Concrete  
Memphis

**2010-2011**

**Andrea Childress**  
Childress Concrete Co.  
Lewisburg

**2011-2012**

**Steve Smith**  
A&W Ready Mix Concrete  
Kodak

**2012-2013**

**Mike Zagula**  
Metro Ready Mix Concrete  
Co.

**2013-2014**

**Derris Johns**  
Mid-South Concrete

**2014-2015**

**Bate Bond**  
B.T. Redi-Mix

**2015-2016**

**Bobby Crass**  
C&C Concrete Products

**2016-2017**

**Tonya Alexander**  
Irving Materials, Inc.

**2017-2018**

**Cole Dodds**  
Southern Concrete Products

## Our Board of DIRECTORS

President

**TIM COSTO**  
Sequatchie Concrete

Vice President

**WESLEY BLALOCK**  
Blalock Ready Mix

Secretary/Treasurer

**DUANE KING**  
Screaming Eagle Ready Mix

Ready Mixed Directors

**SAM PITTENGER**  
Harrison Construction Co.

**CRIS MABBIT**  
Irving Materials

**SHELLEY PARHAM**  
Ready Mix USA

**JEREMY COLE**  
Volunteer Concrete

**CHARLES LAY**  
Lambcon, Inc.

Associate & Affiliate  
Directors Associate

**CODY EATON**  
Cemex

**BRYAN STREVEL**  
Sika

**ANGIE THURMAN**  
Rogers Group

**CHRIS HUDSON**  
Glenn E. Mitchell

# 2019 TCA Membership Directory

## Ready Mixed Concrete Producer Members

### **A&W Ready Mix, LLC**

151 Kyker Ferry Rd  
Kodak, TN 37764  
*Primary Contact:* Steve Smith  
*Phone:* (865) 932-4010  
*Fax:* (865) 365-2734  
www.awreadymix.com

*Products/Services:* Ready Mix Concrete, Aggregate Hauling, NRMCA Certified Plant

### **Abernathy Concrete Co., Inc.**

734 South First St.  
Pulaski, TN 38478  
*Primary Contact:* Bill Abernathy  
*Phone:* (931) 363-1527  
*Fax:* (931) 363-1528  
*Products/Services:* NRMCA Certified & TDOT Approved Ready Mixed Concrete Plant, Commercial, Industrial, Residential & Decorative Concrete Provider

### **Blalock Ready Mix**

1836 Forge Dual Alley Plant  
Pigeon Forge, TN 37863  
*Primary Contact:* Wes Blalock  
*Phone:* (865) 453-2808  
*Fax:* (865) 365-2734  
www.blalockcompanies.com  
*Products/Services:* Ready Mix Concrete, Concrete Pumping, RediRock Retaining Wall System, NRMCA Certified Plants & Fleet, NPCA Certified Precast Plant

*Additional Information:*  
Dennie Underwood, Technical Services Mgr.

### **Boys Creek Plant**

4265 Boys Creek Hwy  
Sevierville, TN 37865  
*Phone:* (865) 453-4433

### **Kodak Plant**

3340 S. Snyder Rd.  
Kodak, TN 37876  
*Phone:* (865) 453-4433

### **Kyker Ferry Plant**

151 Kyker Ferry Rd  
Kodak, TN 37764  
*Phone:* (865) 453-4433

### **Pigeon Forge Dual Alley Plant**

1836 Ridge Rd.  
Pigeon Forge, TN 37863  
*Phone:* (865) 453-4433

### **Seymour Plant**

105 Clear View Dr.  
Seymour, TN 37865  
*Phone:* (865) 453-4433

### **BP&G Materials**

4650 Hwy 11E  
Bluff City, TN 37618  
*Primary Contact:* Fred Gibson  
*Phone:* (423) 538-8172  
*Fax:* (423) 477-7250  
*Products/Services:* Ready Mix Concrete, Retaining Wall Blocks

### **Bradley Concrete Co.**

PO Box 3022  
Cleveland, TN 37320  
*Primary Contact:* Charlie Lay  
*Phone:* (877) 541-4542  
*Fax:* (423) 479-4542  
www.lambcon.us  
*Products/Services:* Ready Mix Concrete Chattanooga, Cleveland, Charleston, Knoxville, Lenoir City, Athens

### **Builders Supply Co.**

50 Scott Ave.  
Cookeville, TN 38501  
*Primary Contact:* Clark Simpson  
*Phone:* (931) 526-9704  
*Fax:* (931) 528-8510  
www.bscblock.com  
*Products/Services:* Ready Mix Concrete, Building Materials, Concrete Block Manufacturer, Brick & Lumber

### **C & C Concrete Products, Inc.**

193 Towe String Rd.  
Jacksboro, TN 37757  
*Primary Contact:* Bobby Crass  
*Phone:* (423) 562-7425  
*Fax:* (423) 562-5499  
www.c-concrete.com  
*Products/Services:* Ready Mix Concrete, ICF's, Block, ACI Certified Personnel, NRMCA Certified Plant, State approved, Fiber, Rebar, Masonry Supplies & Aggregates

### **C & C Redi-Mix Inc.**

5710 Harriman Hwy  
Oliver Springs, TN 37840  
*Primary Contact:* Tony Crass  
*Phone:* (865) 435-1445  
*Fax:* (865) 435-0551  
www.ccreadymix.com  
*Products/Services:* Ready Mix Concrete Services  
*Additional Information:*  
**LaFollette**  
*Phone:* (423) 562-7425

### **Chandler Concrete Co. Inc**

PO Box 131  
Burlington, NC 27216  
*Primary Contact:* Ted Chandler  
*Phone:* (336) 226-1181  
*Fax:* (336) 226-2969  
www.chandlerconcrete.com  
*Products/Services:* Ready Mix Concrete Services, Block, Hardscape & Masonry Products, Building Supply Products  
*Additional Information:*  
**Boone**  
805 State Farm Rd Ste. 203  
Boone, NC 28607  
*Phone:* (828) 264-8694

### **Cumberland Supply Co. Inc.**

PO Box 216  
Carthage, TN 37030  
*Primary Contact:* Phillip Hudson, Jr.  
*Phone:* (615) 735-1786  
*Fax:* (615) 735-1475  
www.cumberlandsupplyco.com  
*Products/Services:* Ready Mix Concrete, TDOT Certified, Brick, Block, Lumber, Hardware, Masonry & Millwork

### **Dixie Ready-Mix Concrete Co., Inc.**

1414 Old Jacksboro Hwy  
La Follette, TN 37766  
*Primary Contact:* Ray Henson  
*Phone:* (423) 562-2277  
*Fax:* (423) 562-0424  
*Products/Services:* Ready-Mix Concrete, Wire Mesh-Rebar, Septic Tanks, Wall Blocks, Masonry Sand

### **Garrott Bros Continuous Mix, Inc.**

PO Box 419  
Gallatin, TN 37066  
*Primary Contact:* Daniel Bugbee  
*Phone:* (615) 452-2385  
*Fax:* (615) 452-8952  
www.garrottbrosc.com  
*Product/Services:* Ready Mix Concrete Services

### **Harrison Construction Co.**

4817 Rutledge Pike  
Knoxville, TN 37914  
*Primary Contact:* Greg Lowrey  
*Phone:* (865) 934-4621  
*Fax:* (865) 546-9744  
www.harrisoncc.com  
*Product/Services:* Ready Mix Services and Aggregate Sales  
*Additional Information:*  
**Dandridge.**  
1070 Epco Dr.  
Dandridge, TN 37725  
**Morristown**  
1527 W. 1st N. St.  
Morristown, TN 37814

### **Irving Materials Inc.**

2001 Antioch Pike  
Nashville, TN 37013  
*Primary Contact:* Tonya Alexander  
*Phone:* (615) 884-4935  
*Fax:* (615) 338-5171  
www.irvmat.com  
*Products/Services:* Ready Mixed Concrete, Related Products, Aggregate, Sand & Pervious Concrete  
*Additional Information:*  
**Clarksville**  
261 Needmore Rd  
Clarksville, TN 37042  
*Phone:* (931) 552-6026  
**Columbia**  
4616 Hardison Mill Rd  
Columbia, TN 38401  
*Phone:* (931) 540-8248  
**Cookeville**  
2800 Dacco Quarry Rd  
Cookeville, TN 38506  
*Phone:* (931) 526-6107  
**Crossville**  
252 Maryette Ave.  
Crossville, TN 38555  
*Phone:* (931) 484-5588

# Ready Mixed Concrete Producer Members

## **Dickson**

1550 Old Columbia Rd  
Dickson, TN 37055  
Phone: (615) 740-7001

## **Dover**

646 Highway 79  
Dover, TN 37058  
Phone: (931) 232-7001

## **Fayetteville**

8 Cessna Road  
Fayetteville, TN 37334  
Phone: (931) 438-7337

## **Franklin**

515 Downs Blvd.  
Franklin, TN 37064  
Phone: (615) 224-9000

## **Goodlettsville**

109 Long Dr.  
Goodlettsville, TN 37072  
Phone: (615) 219-0966

## **Jamestown**

315 Alf Threet Rd  
Jamestown, TN 38556  
Phone: (931) 879-5098

## **Lawrenceburg**

2112 Helton Dr.  
Lawrenceburg, TN 38464  
Phone: (931) 762-6409

## **Lebanon**

400 S. College St.  
Lebanon, TN 37087  
Phone: (615) 444-0454

## **Livingston**

220 School Mtn. Rd  
Livingston, TN 38570  
Phone: (931) 823-5060

## **Manchester**

213 E. Coffee St.  
Manchester, TN 37355  
Phone: (931) 723-8747

## **Morrison**

5445 Manchester Hwy  
Morrison, TN 37357  
Phone: (931) 815-1070

## **Mt. Juliet**

445 Industrial Dr.  
Mt. Juliet, TN 37122  
Phone: (615) 758-5687

## **Murfreesboro**

5024 Old Nashville Hwy  
Murfreesboro, TN 37129  
Phone: (615) 907-0020

## **Nashville**

1433 Cowan St.  
Nashville, TN 37207  
Phone: (615) 256-6821

## **Nashville**

6616 Robertson Rd  
Nashville, TN 37209  
Phone: (615) 356-9301

## **Nashville**

151 Bush Rd  
Nashville, TN 37217  
Phone: (615) 367-2918

## **Smithville**

805 S. College St.  
Smithville, TN 37166  
Phone: (615) 597-4149

## **Sparta**

171 imix Rd  
Sparta, TN 38583  
Phone: (931) 836-2576

## **Spring Hill**

758 Beechcroft Rd  
Spring Hill, TN 37174  
Phone: (931) 486-9072

## **Springfield**

4277 US-431  
Springfield, TN 37172  
Phone: (615) 219-0966

## **Tullahoma**

519 Vollney St  
Tullahoma, TN 38388  
Phone: (931) 455-5432

## **Winchester**

612 David Crockett Hwy  
Winchester, TN 37398  
Phone: (931) 967-1738

## **Lambcon Inc.**

PO Box 5148  
Cleveland, TN 37320  
Primary Contact: Charlie Lay  
Phone: (423) 593-8458  
Email: clay@lambcon.us  
www.lambcon.us  
Products/Services: Ready Mix Concrete - Chattanooga, Athens, Cleveland, Knoxville, Lenior City

## **Memphis Ready Mix**

1029 John A. Denie Rd.  
Memphis, TN 38134  
Primary Contact: Jason Johnson  
Phone: (901) 386-4499  
Jason.johnson@buzziunicemusa.com  
www.buzziunicemusa.com  
Products/Services: Ready Mixed Concrete & Related Concrete Products Serving the Greater Memphis & Northern Mississippi Area

## **Mid South Concrete Inc.**

1750 Braly Lane  
Pulaski, TN 38478  
Primary Contact: Derris Johns  
Phone: (931) 363-0690  
Fax: (931) 363-5326  
www.midsouthconcrete.com  
Products/Services: Custom Design Ready Mix Concrete, Concrete Related Accessories, Materials, Aggregates, & Culverts  
Additional Information:

## **Leoma**

2408 Hwy 43  
Leoma, TN 38468  
Phone: (931) 363-0690

## **Pulaski**

1750 Braly Lane  
Pulaski, TN 38478  
Phone: (931) 363-0690

## **Mid-State Mobile Concrete, Inc.**

3636 Central Pike  
Hermitage, TN 37076  
Primary Contact: Matt Weathers  
Phone: (615) 574-0061  
Fax: (615) 885-3640  
www.midstatemobileconcrete.com  
Products/Services: Mobile Ready Mixed Concrete Services & Concrete Pumping Services, Pervious Concrete, Concrete Finishing, Volumetric Concrete Trucks

## **Mid-Way Materials, Inc.**

128 Natchez Trace Rd.  
Camden, TN 38320  
Primary Contact: Larry Dobson, Jr.  
Phone: (731) 584-6991  
Fax: (731) 584-2523  
Products/Services: Ready Mixed Concrete, Blocks and Masonry Supplies, Decorative Concrete Supplies & Assorted Brick  
Additional Information:  
**McKenzie**  
24 S. Oak St.  
McKenzie, TN 38201  
Phone: (731) 352-3850

## **Mobile Materials Nashville, LLC**

1650 54th Ave. N  
Nashville, TN 37209  
Primary Contact: Scott D Eller  
Phone: (615) 414-2591  
Email: scotteller@mobilematerials-nashville.com  
www.mobilematerials-nashville.com  
Products/Services: Concrete Ready Mix via Volumetric Trucks. Our trucks mix concrete on site & we only charge for what the customer uses. No more over ordering in order to make sure you have enough.

## **Newport Paving & Ready Mix**

351 Industrial Rd  
Newport, TN 37822  
Primary Contact: Joe Malone  
Phone: (423) 623-8671  
Fax: (423) 623-8699  
www.blalockcompanies.com  
Products/Services: Ready Mix Concrete, NRMCA Certified Plant & Fleet

## **Orgain Ready Mix Concrete Co. Inc.**

PO Box 561  
Clarksville, TN 37041  
Primary Contact: John Manning  
Phone: (931) 647-1597  
Fax: (931) 552-2484  
www.orgainreadymix.com  
Products/Services: Ready Mix Concrete Services

## **Pavement Restorations, Inc.**

10162 Stinson St.  
Milan, TN 38358  
Primary Contact: Jon Hargett  
Phone: (731) 239-2119  
Fax: (731) 613-2019  
www.gotpotholesnet  
Products/Services: Concrete & Asphalt Restoration Services Including Volumetric Concrete Supply



# 2019 TCA Membership Directory

## Ready Mixed Concrete Producer Members

### **Potter South East LLC**

511 E. Monticello Pike  
Huntsville, TN 37756  
*Primary Contact:* Dwayne Potter  
*Phone:* (423) 663-8222  
*Fax:* (423) 663-9574  
*Products/Services:* Heavy Highway Construction Co. with Centralized Efforts in Road & Bridge Construction serving TDOT Projects in TDOT Region One  
*Additional Information:*  
**Pioneer**  
170 Royal Lane  
Pioneer, TN  
*Phone:* (423) 494-1117

### **Ready Mix USA**

PO Box 2389  
Knoxville, TN 37901  
*Primary Contact:* Joe Fowler  
*Phone:* (865) 573-4501  
*Fax:* (865) 573-3327  
www.readymixusa.com  
*Products/Services:* Ready Mixed Concrete - Sales:  
Shelley Parham-Tri-Cities (423)744-0022, Javier Melendez-Chattanooga (423)595-0954, Derek Moore-Knoxville (865)210-0598, Mark Doty-Knoxville (423)327-1395  
*Additional Information:*

### **Bristol**

501 Janie Hammitt Dr.  
Bristol, VA 24201  
*Phone:* (276) 669-3107

### **Chattanooga**

604 Hudson Road  
Chattanooga, TN 37405  
*Phone:* (423) 892-6444

### **Chattanooga**

2 Pelican Dr. (River Plant)  
Chattanooga, TN 37416  
*Phone:* (423) 892-6444

### **Dalton**

419 N. Selvidge St.  
Dalton, GA 30720  
*Phone:* (706) 278-6044

### **Gray**

102 Watertank Rd.  
Gray, TN 37615  
*Phone:* (423) 246-7701

### **Greeneville**

1532 Industrial Rd.  
Greeneville, TN 37745  
*Phone:* (423) 639-2041

### **Kingsport**

1543 S. Wilcox Dr.  
Kingsport, TN 37660  
*Phone:* (423) 246-7701

### **Knoxville**

2200 Neyland Dr.  
Knoxville, TN 37916  
*Phone:* (865) 544-0320

### **Knoxville**

10509 Lexington Dr.  
Knoxville, TN 37932  
*Phone:* (865) 573-4501

### **Lafayette**

22920 Hwy 193  
Lafayette, GA 30728  
*Phone:* (706) 278-6044

### **Maynardville**

762 Maynardville Hwy.  
Maynardville, TN 37807  
*Phone:* (423) 587-2050

### **Morristown**

663 South Sugar Hollow Rd.  
Morristown, TN 37813  
*Phone:* (423) 587-2050

### **New Tazewell**

PO Box 1050  
New Tazewell, TN 37824  
*Phone:* (865) 573-4501

### **Rockford**

547 National Dr.  
Rockford, TN 37853  
*Phone:* (865) 573-4501

### **River City Concrete, Inc.**

9160 Hwy 128 South  
Savannah, TN 38372  
*Primary Contact:* Wade Williams  
*Phone:* (731) 925-0271  
*Fax:* (731) 925-9894  
www.rivercity-concrete.com  
*Products/Services:* Ready Mix Concrete, Precast Products, Concrete Blocks, Concrete Reinforcing Products, Sand & Gravel Hauling  
*Additional Information:*

### **Selmer**

850 Mulberry Ave.  
Selmer, TN 38375  
*Phone:* (713) 645-7903

### **Waynesboro**

1041 Lawrenceburg Hwy  
Waynesboro, TN 38485  
*Phone:* (931) 722-3816

### **Screaming Eagle Ready Mix**

490 Barge Point Rd.  
Clarksville, TN 37042  
*Primary Contact:* Duane King  
*Phone:* (931) 553-4101  
*Fax:* (931) 553-5011  
www.screamingeaglereadymix.com

*Products/Services:* Concrete Services, Related Supplies, Concrete Tools, Building Materials & Sealers

*Additional Information:*

### **Clarksville**

1040 International Blvd.  
Clarksville, TN 37040  
*Phone:* (931) 553-4101

### **Sequatchie Concrete Service**

PO Box 129  
South Pittsburg, TN 37380  
*Primary Contact:* Tim Costo  
*Phone:* (423) 718-0441  
*Fax:* (423) 837-7479  
www.seqconcrete.com  
*Products/Services:* Ready Mix Concrete Production, Structural Precast, Concrete Block, Sand, & Segmented Retaining Walls  
*Additional Information:*

### **Athens**

3106 Lee Hwy.  
Athens, TN 37303  
*Phone:* (423) 774-9049

### **Calhoun**

4958 Hwy 11 South  
Calhoun, TN 37309  
*Phone:* (423) 641-0815

### **Chattanooga**

1400 East 37th St.  
Chattanooga, TN 37407  
*Phone:* (423) 867-6035

### **Chattanooga**

3954 Cromwell Rd.  
Chattanooga, TN 37421  
*Phone:* (423) 388-4781

### **Cleveland**

1601 6<sup>th</sup> St. NE  
Cleveland, TN 37311  
*Phone:* (423) 641-1049

### **Dayton**

131 Avant Lane  
Dayton, TN 37321  
*Phone:* (423) 755-9491

### **Dunlap**

Hwy 128 Branch Road  
Dunlap, TN 37327  
*Phone:* (615) 647-6854

### **Huntsville**

6206 Springfield Rd.  
Huntsville, TN 35810  
*Phone:* (259) 763-7512

### **Knoxville**

2100 Sutherland Ave.  
Knoxville, TN 37939  
*Phone:* (865) 240-2564

### **Knoxville**

9529 Diggs Gap Rd.  
Knoxville, TN 37754  
*Phone:* (865) 409-1690

### **South Pittsburg**

210 Ash Ave.  
South Pittsburg, TN 37380  
*Phone:* (423) 299-0252

### **Southern Concrete Products, Inc.**

PO Box 1256  
Jackson, TN 38302  
*Primary Contact:* Rick Odle  
*Phone:* (731) 422-3358  
*Fax:* (731) 427-1604  
www.southernconcrete.com  
*Products/Services:* Ready Mix Concrete, Concrete Fence, Building Materials, Parking Bumpers & Septic Tanks, Pervious  
*Additional Information:*

### **Bolivar**

18260 Hwy 125 South  
Bolivar, TN 38008  
*Phone:* (731) 422-3358

### **Dyersburg**

1705 Tennyson Ave.  
Dyersburg, TN 38024  
*Phone:* (731) 422-3358

### **Henderson**

745 US Hwy 45 S.  
Henderson, TN 38340  
*Phone:* (731) 422-3358

### **Jackson**

860 Westover Rd  
Jackson, TN 38301  
*Phone:* (731) 422-3358

### **Jackson**

86 United Dr.  
Jackson, TN 38305  
*Phone:* (731) 422-3358

### **Lexington**

266 E. Church St.  
Lexington, TN 38351  
*Phone:* (731) 968-2537

### **Milan**

2500 Graball St.  
Milan, TN 38358  
*Phone:* (731) 422-3358

# Ready Mixed Concrete Producer Members

## **Paris**

535 Russell St.  
Paris, TN 38242  
Phone: (731) 642-6672

## **Union City**

106 Barham Rd.  
Union City, TN 38261  
Phone: (731) 885-7060

## **Superior Walls of East TN**

10144 Sparta Hwy  
Rock Island, TN 38581  
Primary Contact: Stacey  
Harvey  
Phone: (931) 686-3240  
Fax: (931) 686-8001  
www.superiorwalls.com  
Products/Services: Superior  
Walls Precast Concrete  
Basement Walls (Design,  
Production, Installation, Service/  
Warranty) Precast Concrete  
Products, NCPA & TDOT  
Qualified Plant

## **Transit-Mix Concrete Co.**

PO Box 1275  
Johnson City, TN 37605  
Primary Contact: Ernie Walker  
Phone: (423) 928-2128  
Fax: (423) 926-7867  
www.tmix.com  
Products/Services: Ready  
Mixed Concrete, Stone Slinger  
Services, Concrete Building  
Products, ICF Distributor,  
Retaining Wall Blocks

## **Tri-State Ready Mix**

1634 Ferrell Park Cove  
Memphis, TN 38116  
Primary Contact: Josh Evans  
Phone: (901) 396-8900  
Fax: (901) 396-8879  
www.tristatereadymix.com  
Products/Services: Ready Mix  
Concrete Producer, Ready Mix  
Concrete Supplier  
Additional Information:  
**Cordova**  
1323 Rebel Rd.  
Cordova, TN  
Phone: (901) 396-8900

## **Twin K Enterprises, LLC**

16906 Alberta St.  
Oneida, TN 37841  
Primary Contact: Kelley  
Krahn  
Phone: (423) 569-2049  
Fax: (423) 569-4084  
Products/Services: Ready  
Mix Concrete, Septic Tanks,  
Aggregate, Precast Products,  
Concrete Supplies  
Additional Information:  
**Harriman**  
348 Poland Hollow Rd.  
Harriman, TN  
Phone: (865) 234-7114  
**Oneida**  
16906 Alberta St.  
Oneida, TN  
Phone: (423) 569-6341  
**Wartburg**  
3612 Morgan Co Hwy  
Wartburg, TN

## **VanHoosco Ready Mix**

244 Blair Bend Dr.  
Loudon, TN 37774  
Primary Contact: Jeff  
VanHoose  
Phone: (865) 458-3998  
Fax: (865) 458-3494  
www.vanhoosco.com  
Products/Services: Roller  
Compacted Concrete, Self  
Consolidating Concrete,  
Pervious Concrete, Precast Wall  
Systems, Structural Precast  
Concrete, On Site Certified  
Lab, Underground Storm Water  
Systems

## **Volunteer Concrete**

PO Box 682423  
Franklin, TN 37068  
Primary Contact: Jeremy Cole  
Phone: (931) 364-5900  
jcole@volunteerconcrete.com  
www.volunteerconcrete.com  
Products/Services: Ready Mix  
Producer, Concrete Pumping,  
Stone Hauling, NRMCA  
Certified  
Additional Information:  
**Lewisburg**  
750 HWwy 99  
Lewisburg, TN  
Phone: (931) 364-5900

## **West TN Ready Mix**

380 Pierce Rd.  
Oakland, TN 38060  
Primary Contact: Herron Odle  
Phone: (901) 466-3030  
Fax: (901) 466-3090  
Products/Services: Ready Mix  
Concrete Services

## Sign up for the TCA Member Update Today!

Email Donna Thompson at [donna@tnconcrete.org](mailto:donna@tnconcrete.org) to get started receiving the Member Update each week!

So much of what TCA does throughout the year does NOT come in one of these mailers. From classes to information about special events and opportunities, if you aren't signed up for our Member Update, you aren't getting the whole picture of what TCA can offer you!

Help us today make sure YOU are getting all the news by emailing Donna Thompson at [donna@tnconcrete.org](mailto:donna@tnconcrete.org) to get started receiving the Member Update each week. And think about signing up your employees as well! All we need is their name and email address.



# 2019 TCA Membership Directory

## Associate Members

### ADMIXTURE

#### **BASF Admixtures**

485 Broadberry Ave.  
Oak Ridge, TN 37830  
*Primary Contact:* Jason Ford  
*Phone:* (423) 609-0235  
jason.a.ford@basf.com  
www.basf-admixtures.com  
*Products/Services:* Glenium Series of Admixtures, Green Sense Concrete, MasterFiber, x-seed Accelerator, MasterLife 300D Waterproofing  
*Additional Information:*  
Denny Lind (615) 390-4899  
Drag Yarbrow (901) 484-9190  
Rickey Swancey (205) 966-3115

#### **CHRYSO, Inc.**

1314 Rhonda Dr.  
Christiana, TN 37037  
*Primary Contact:* Drew Carmichael  
*Phone:* (615) 631-5323  
drew.carmichael@chrysoinc.com  
www.chrysoinc.com  
*Products/Services:* Admixture Supplier

#### **EdenCrete Industries Inc.**

7072 Parkbrook Lane  
Cordova, TN 38018  
*Primary Contact:* Brent Sanders  
*Phone:* (303) 468-1705  
www.edencrete.com  
*Products/Services:* Carbon Nanotube Enriched Liquid Admixture  
*Additional Information:* Brent Sanders Southern Region Sales Rep (470)316-8114

#### **Euclid Chemical Company**

19218 Redwood Rd  
Cleveland, OH 44110  
*Primary Contact:* Kyle Norwood  
*Phone:* (256) 497-4913  
knorwood@euclidchemical.com  
www.euclidchemical.com  
*Products/Services:* We provide concrete products such as fibers, sealers, admixtures & integral colors for Decorative Concrete.

*Additional Information:*  
Steven Bell-Technical Sales Rep.(770) 778-4298, Ron Shirley-Technical Sales Rep. (901) 355-8306

#### **GCP Applied Technologies**

62 Whittemore Ave.  
Cambridge, MA 02140  
*Primary Contact:* Jeff Slaughter  
*Phone:* (314) 303-4880  
jeff.slaughter@gcpat.com  
www.gcp.com  
*Products/Services:* Full Line of Chemical Admixtures, Color & Fiber Products for Precast, Masonry & Ready Mixed Concrete. Verified technology for in transit concrete management  
*Additional Information:*  
Zack Swanson-Technical Sales (410) 794-6973 zack.swanson@gcpat.com  
Dan Meine-Director of Sales-daniel.j.meine@gcpat.com

#### **Sika Corporation**

1930 Sarasota Business Pkwy  
Conyers, GA 30013  
*Primary Contact:* Jason Zelinski  
*Phone:* (864) 909-0869  
Zelinski.jason@us.sika.com  
www.usa.sika.com  
*Products/Services:* Admixture Products & Applications  
*Additional Information:*  
Bryan Strevel (615) 828-7332  
strevel.bryan@us.sika.com

### AGGREGATE

#### **Pine Bluff Materials Co.**

1030 Visco Drive  
Nashville, TN 37210  
*Primary Contact:* Mike Bohleber  
*Phone:* (615) 254-1956  
mike.bohleber@pbmat.com  
www.pbmat.com  
*Products/Services:* Specification Sand, Gravel & Stone

#### **Rogers Group Inc.**

421 Great Circle Rd.  
Nashville, TN 37202  
*Primary Contact:* Granville Grant  
*Phone:* (615) 613-1115  
granville.grant@rogersgroupinc.com  
www.rogersgroupinc.com  
*Products/Services:* Crushes Stone and Natural Sand & Construction Services

#### **Vulcan Materials Co.**

115 East Park Dr. Ste 100  
Brentwood, TN 37027  
*Primary Contact:* Jon Badgett  
*Phone:* (615) 361-8550  
badgettj@vmcmail.com  
www.vulcanmaterials.com  
*Products/Services:* Crushed Stone & Sand  
*Additional Information:*  
Rebekah Bomar -bomarr@vmcmail.com

### CEMENT

#### **Buzzi Unicem USA, Inc.**

*Primary Contact:* Dan Rinke  
*Phone:* (901) 409-3775  
dan.rinke@buzziunicemusa.com  
www.buzziunicemusa.com  
*Products/Services:* Portland and Masonry Cement  
*Additional Information:*  
Ric Sutter, Sr.VP Sales  
Dan Rinke, Regional VP Sales (901)409-3775  
Dwayne Stone, Market Mgr. (Memphis)(270)210-5217  
Carl Kurzrock, Market Mgr. (Nashville)(615)351-6145  
Hunter Wallace, Market Mgr. Chatt. & Knoxville (423)645-4046  
Ryan Parker, Technical Services Memphis & Nashville (615)979-2828  
Matthew Wilbanks, Technical Services Chatt & Knoxville (901)413-9545

#### **Cemex**

PO Box 100813  
Birmingham, AL 35210  
*Primary Contact:* Lynn Rasco  
*Phone:* (205) 967-5211  
www.cemexusa.com  
*Products/Services:* Portland Cement  
*Additional Information:*  
Knoxville Plant Sales Mgr. Mickey Bradley (865)267-7672  
glenm.bradley@cemex.com  
Nashville Terminal Sales Mgr. Cody Eaton (615) 478-7594  
cody.eaton@cemex.com

#### **Continental Cement Co.**

16401 Swingley Ridge Rd. Suite 610  
Chesterfield, MO 63017  
*Primary Contact:* Stewart Parker  
*Phone:* (636) 532-7440  
stewart.parker@continentalcement.com  
www.continentalcement.com  
*Products/Services:* Cement Manufacturer  
*Additional Information:*  
Mike Gordon, VP Sales & Marketing (800) 625-1144  
Kevin Hayes Terminal Mgr. (901) 525-0311. 2549 Channel Ave. Memphis,TN 38106

#### **LafargeHolcim**

810 Crescent Centre Dr. Ste.180  
Franklin, TN 37067  
*Primary Contact:* Benoit Cotnoir  
*Phone:* (913) 915-7455  
benoit.cotnoir@lafargeholcim.com  
www.lafargeholcim.com  
*Products/Services:* Portland Cement, Slag, Masonry & Oilwell Cement  
*Additional Information:*  
Tim Langelier Marketing Manager TN (615) 330-1776  
David Parker Technical Service Eng.(615) 202-8064  
Joey Deroe (870) 215-3420



## Lehigh Cement Co.

400 Riverhills Business Park  
Ste. 437  
Birmingham, AL 35242

*Primary Contact:* Phil  
Detwiler

*Phone:* (205) 969-5803  
pdetwiler@lehighcement.com  
www.lehighhanson.com

*Products/Services:* Cement  
sales

### *Additional Information:*

Tray Breitbarth (770)605-0854  
Middle & East TN, Grady Gunn  
(205) 901-6105 West TN

## National Cement Co. of Alabama

2000 Southbridge Pkwy  
Woodstock, GA 30188

*Primary Contact:* Stephen  
Snipes

*Phone:* (205) 423-2600  
ssnipes@natcem.com  
www.nationalcement.com

*Products/Services:* Portland  
Cement Type I, Ib, III, Portland  
& Masonry Cement Bags

### *Additional Information:*

Scott East Territory Mgr (404)  
647-9643 seast@natcem.com

## FIBER

### ADMIXUS

2923 Boones Creek Road  
Johnson City, TN 37615

*Primary Contact:* Bruce  
Prezzavento

*Phone:* (423) 282-4242 Ext. 241  
bprezzavento@minifibers.com  
www.admixus.com

*Products/Services:* ADMIXUS  
ES, ADMIXUS LS, ADMIXUS  
AS, ADMIXUS RC &  
ADMIXUS EZ

### Durafiber, Inc.

714 West Main St. Suite 205  
Murfreesboro, TN 37129

*Primary Contact:* Mike  
Deaton

*Phone:* (615) 333-9883  
durafiber@aol.com  
www.durafiber.com

*Products/Services:* Ultrafiber  
500, Polypropylene Fiber, Steel  
Fiber, Fritz Pak Products

## FLYASH

### Boral Resources

904 Raven Point  
Canton, GA 30114

*Primary Contact:* Darrell  
Wilson

*Phone:* (336) 210-7435  
darrell.wilson@boral.com  
www.boralamerica.com

*Products/Services:* Marketer  
of Fly Ash, Fly Ash Sales,  
Disposal, Bottom Ash Sales,  
Bottom Ash Disposal

*Additional Information:* Greg  
Thomas (501)844-6607 West TN

### Charah Solutions, Inc.

12601 Plantside Dr.  
Louisville, KY 40299

*Primary Contact:* Sara Griffin  
*Phone:* (502) 245-1353 Ext.

5073  
sgriffin@charah.com  
www.charah.com

*Products/Services:* Charah is  
a leading provider of Class C&F  
fly ash to Ready Mix Producers  
throughout the country via its  
MultiSource network.

### *Additional Information:*

Randy Compton-VP Sales (865)  
414-1518  
Christian Lentz-Sales Gen.Mgr  
(502) 552-6538

### The SEFA Group

217 Cedar Rd.  
Lexington, SC 29073

*Primary Contact:* Bert Nunn  
*Phone:* (803) 520-9000

bnnun@sefagroup.com  
www.sefagroup.com

*Products/Services:* Class F  
Fly Ash, Technical Services &  
Engineering

### *Additional Information:*

Mark Casey Technical Sales &  
Service (865)806-6950 Clark  
Gates Technical Sales & Service  
(615) 202-1001

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events and opportunities, if you  
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Update, you aren't getting the whole  
picture of what TCA can offer you!



Help us today make sure YOU are  
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Donna Thompson at [donna@tnconcrete.org](mailto:donna@tnconcrete.org) to get started receiving the  
Member Update each week. And think about signing up your employees as  
well! All we need is their name and email address.

### Waste Mgmt/Fly Ash Direct

5128 Grand Oak Way  
Brentwood, TN 37027

*Primary Contact:* Bill Hunt

*Phone:* (615) 419-9151

whunt@wm.com  
www.flyashdirect.com

*Products/Services:* Dry Bulk  
Fly Ash, TDOT Approved Class  
C, Bottom Ash & Gypsum

*Additional Information:* Bill  
Hunt, Business Development  
Mgr.

# 2019 TCA Membership Directory

## Affiliate Members

### BATCH PLANTS & EQUIPMENT

#### Command Alkon

1800 International Park Dr.  
St.#400  
Birmingham, AL 35243  
*Primary Contact:* Ed Rusch  
*Phone:* (800) 624-1872  
*erusch@commandalkon.com*  
*Products/Services:* Batching Controls, Dispatching and Accounting Software, Production/Quality Control Software and Performance Management Software

#### Southern Concrete Machinery, LLC

PO Box 11098  
Murfreesboro, TN 37129  
*Primary Contact:* Chris Davenport  
*Phone:* (615) 957-4600  
*christopherdavenport14@gmail.com*  
*Products/Services:* Con-E-Co Batch Plants, Pearson Hot Water & Chillers For Trans Ph Systems, BFK Reclaimers Plant Parts

#### Stephens Mfg Co. Inc.

PO Box 488  
Tompkinsville, KY 42167  
*Primary Contact:* Greg High  
*Phone:* (270) 487-6774  
*ghigh@stephensmfg.com*  
*Products/Services:* Concrete Plants, Dust Collectors, Reclaimers, Material Handling Systems, & Mixers

#### Systems & Controls

1850 Old Hwy 95  
Lenoir City, TN 37771  
*Primary Contact:* Mark McHenry  
*Phone:* (865) 988-8583  
*mmchenry@syscontn.com*  
*Products/Services:* Stephens Concrete Plants & Parts, Batch Computers & Dispatch Systems, Badger Water Meters, Hydronix Moisture Probes, Plant Scale Certifications & Service

### BUSINESS SERVICES

#### SmartDrive Systems

4790 Eastgate Mall Ste.200  
San Diego, CA 92121  
*Primary Contact:* Jeff Zola  
*Phone:* (858) 225-5550  
*jeff.zola@smartdrive.net*  
*Products/Services:* A Video Based Safety & Transportation Intelligence Program

### CONCRETE PUMPING

#### Concrete Pump Partners

1309 Brown St.  
Nashville, TN 37203  
*Primary Contact:* Jon Kemp  
*Phone:* (615) 299-9899  
*jonkemp@msn.com*  
*www.pumppartners.com*  
*Products/Services:* Concrete Pumping Services

#### Reynolds Concrete Pumping

720 Beech St.  
Bowling Green, KY 42101  
*Primary Contact:* Johnny Phillips  
*Phone:* (615) 213-2600  
*jphillips@reynoldscorporation.com*  
*Products/Services:* Concrete Pumping Services: Boom Pumps, Line Pumps, Placing Booms, Rock Slingers

### CONSTRUCTION EQUIPMENT

#### Multivibe, Inc.

3125 N. Friendship Rd.  
Paducah, KY 42001  
*Primary Contact:* Carl Ellis  
*Phone:* (270) 554-2615  
*carle@multivibe.com*  
*Products/Services:* Vibratory Screeds (Gas & Electric), Wall Vibrators, Roller Screeds

#### Power Rental & Sales

3653A Trousdale Dr.  
Nashville, TN 37204  
*Primary Contact:* Brent Cornelius  
*Phone:* (615) 837-1450  
*bc.powerrental@yahoo.com*  
*Products/Services:* Vertical forms, Masonry Supplies, Power Tools & Grinders

### MATERIAL SUPPLIERS

#### Clemons Concrete Coatings

505 Cave Rd.  
Nashville, TN 37210  
*Primary Contact:* Rich Sanders  
*Phone:* (615) 872-9099  
*rich@ccc-usa.com*  
*Products/Services:* Sealers, Retarders, Curing Compounds, Stains, and Form Release

#### Sicalco, Ltd.

522 Chestnut St. Suite GB  
Hinsdale, IL 60521  
*Primary Contact:* Kevin Casto  
*Phone:* (312) 404-9207  
*fsibr@sicalco.net*  
*Products/Services:* Marketers of Liquidow(tm) Calcium Chloride

#### Solomon Colors/Brickform

4050 Color Plant Rd  
Springfield, IL 62702  
*Primary Contact:* Aaron Thomas  
*Phone:* (217) 416-7737  
*athomas@solomoncolors.com*  
*Products/Services:* Colors for Concrete Liquid, Dry, & Granular, Decorative Concrete Stains, Stamps, Sealers, Ultra-fiber

#### Spray-Lock Concrete Protection

5959 Shallowford Rd Ste.405  
Chattanooga, TN 37421  
*Primary Contact:* Lee Thrasher  
*Phone:* (470) 865-0809  
*lthrasher@spraylock.com*  
*Office:* (423) 305-6151  
*Products/Services:* Spray Lock Concrete Protection strives to make concrete better by providing colloidal silica products that stabilize concrete PH & completely fill available pores & capillaries.

#### Surface Koatings, Inc.

134 Davis St.  
Portland, TN 37148  
*Primary Contact:* Todd Winters  
*Phone:* (615) 323-9461  
*todd.surfcoat@gmail.com*  
*Products/Services:* Manufacturer of Concrete Coatings, Cures & Seals, Decorative Sealers, Water Repellents, Epoxies & Urethanes

### PRECAST

#### Bradley Tank & Pipe, LLC

PO Box 3146  
Cleveland, TN 37328  
*Primary Contact:* Eddie Johnson  
*Phone:* (423) 479-4482  
*edjohnson@bradleytankandpipe.com*  
*Products/Services:* Redi-Rock Retaining Walls, Sanitary/Storm-Manholes, Utility Structures, Grease Interceptors & Water Quality Structures

#### C.R. Barger & Sons, Inc.

PO Box 370  
Kingston, TN 37763  
*Primary Contact:* Eric Barger  
*Phone:* (865) 270-8080  
*eric@bargerandsons.com*  
*Products/Services:* Retaining Wall Blocks, Manholes, Structures, Box Culverts, TDOT Certified & NPCA Certified Plant

#### Foley Products Co.

PO Box 2447  
Columbus, GA 31902  
*Primary Contact:* Ed Knox  
*Phone:* (706) 563-7882  
*eknox@theconcreteco.com*  
*Products/Services:* Precast Box & Round Structures, Drainage Products, Speciality Items

## Gate Precast Co.

1 Bluegrass Drive  
Ashland City, TN 37015  
*Primary Contact:* Jim Pearson  
*Phone:* (615) 792-4871  
jpearson@gateprecast.com  
*Products/Services:* Precast  
Concrete Systems, Wall Panel,  
Column Covers & Spandralls

## Jarrett Concrete Products Inc.

2012 Hwy 12 S  
Ashland City, TN 37015  
*Primary Contact:* Travis  
Jarrett  
*Phone:* (615) 417-6311  
travis.jarrett@  
jarrettconcreteproducts.com  
www.jarrettconcreteproducts.  
com  
*Products/Services:* Precast  
Concrete Structures

## TRUCKS & EQUIPMENT

### Con-Tech Mfg., Inc.

67079 170th Ave.  
Dodge Center, MN 55927  
*Primary Contact:* Dean  
Bungum  
*Phone:* (507) 206-8998  
*Office:* (507) 374-2239  
deanb@ctmmixers.com  
*Products/Services:*  
Manufacturing Concrete Truck  
Mixers Sales & Parts

### McNeilus Truck

PO Box 367  
Villa Rica, GA 30180  
*Primary Contact:* Brad Towler  
*Phone:* (770) 459-5151  
browler@mcneilusco.com  
*Products/Services:* Distributor  
for Trucks and Mixers, Designed  
for Production & Safety

### Terex Advance Mixer

7727 Freedom Way  
Fort Wayne, IN 46898  
*Primary Contact:* Scott Kutz  
*Phone:* (330) 204-1079  
scott.kutz@terex.com  
*Products/Services:* Front  
Discharge Ready Mix Trucks,  
Complete Parts & Field Service  
Network



## TCA Foundation Golf Tournament on September 18th, GREYSTONE GOLF COURSE, Dickson, TN 11:30 Lunch 1:00 p.m. Shotgun Start

This event is our primary source of funding for our Concrete Industry Management scholarship program. TCA was one of the first organizations to offer student scholarships to the CIM program – our TCA (then TRMCA) scholarship program actually began in the last century! Since then, we have provided scholarships to 39 different students with the majority of this funding coming from our annual golf event. The tournament is a Scramble format so everyone can enjoy a day on the links and a wonderful lunch in the clubhouse!

Please complete the registration form online and payment process to participate or be a sponsor: <https://form.jotform.com/91994432953166>

### Player Options

**Single Player \$150**

**Team of Four \$600**

### Sponsorship Opportunities

**Foundation Golf Beverage Cart Sponsor \$400**

**Foundation Golf Hole Sponsor** (Already included in Presenting and Platinum Sponsorships for 2019 and you are encouraged to do a giveaway or contest on your hole and you are welcome to “man” your hole and meet all the players)\$200

### Foundation PAR 3 Sponsor \$300, plus giveaway!

We are requesting a significant (Minimum \$5,000 value) giveaway on each Par 3 for the first Hole-N-One on that hole. TCA can help with providing insurance for cash prizes if desired, or you can do on your own. Can be cash, equipment or other items of value.

Par 3 Sponsors will need to man their holes to oversee the Hole-N-One contest (and meet all the players!) We want a Closest-to-the-Pin giveaway on every Par 3. Prize must be worth at least \$100 and will be given out at the conclusion of the event. If desired, the Par 3 Sponsor may present their prize at the award ceremony. FYI: Insurance for a \$20,000 cash prize will run about \$400.



# 2019 TCA Membership Directory

## Engineers/Testing Labs

### **ACOT Associates Group**

5796 Shelby Oaks Dr Suite 16A  
Memphis, TN 38134

*Primary Contact:* Daniel  
Akinduro

*Phone:* (901) 266-1653  
dakinduro@acotassociates.com  
www.acot.us.com

*Products/Services:* Design,  
Build & Engineering Services

### **ATC Group Services**

2690 Memorial Dr. Ste.D  
Murfreesboro, TN 37129

*Primary Contact:* Tim  
Thomson

*Phone:* (615) 546-6946  
tim.thomson@atcgs.com  
www.atcgroupservices.com  
*Products/Services:* Concrete  
Acceptance Testing/QA, QC,  
Soil Mechanics, Geotechnical  
Investigation, Full Lab for  
Construction Materials Testing

### **ATC Group Services**

3144 Stage Post Dr.  
Bartlett, TN 38133

*Primary Contact:* Dave  
Schmidt

*Phone:* (901) 259-2362  
dave.schmidt@atcgs.com  
www.atcgroupservices.com

*Products/Services:*  
Geotechnical & Construction  
Materials Testing, Monitor  
Concrete Testing, Fill  
Placement, Density & Steel  
Inspection

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Canady

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com

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Construction Inspection

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PO Box 120  
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*Primary Contact:* Keith  
Brown

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kbrown@bfwengineers.com  
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*Products/Services:*  
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Inspections, Civil, Structural,  
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Birmingham, AL 35210

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Services, CMT & Special  
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Engineering & Materials  
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*Products/Services:*  
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Coring, Construction Materials  
Testing, Concrete Testing, QA/  
QC Fill Placement & Density  
Testing, AMRL Accredited

### **Earth Science Engineering, LLC**

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Testing for Construction  
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### **Geotechnology Inc.**

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*Products/Services:*  
Engineering Services,  
Construction Materials Testing  
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### **Geotek Engineering Co.**

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## **Goodwyn, Mills & Cawood, Inc.**

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Engineering, Environmental,  
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## **HDR Inc.**

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www.hdrinc.com  
*Products/Services:*  
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www.psiusa.com  
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Certified Laboratory, ARML  
(ASTM E329), ACI, ASNT,  
CWI

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*Products/Services:* Concrete,  
Asphalt, and Aggregate Testing

## **Patriot Eng & Environmental, Inc.**

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jtrotter@patrioteng.com  
www.patrioteng.com  
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Construction Materials Testing,  
Geotechnical Engineering,  
Environmental, USACE  
Validated, AASHTO, AMRL,  
CCRL

## **Professional Engineers, Inc.**

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Laboratory Testing of Concrete,  
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Civil Eng., Surveying,  
Landscape Architecture &  
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Engineering

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*Products/Services:*  
Engineering Services to Private  
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Certified

## **Terracon Consultants, Inc.**

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(ACI, ICC, PTI), Geo-technical  
Engineering & Environmental  
Consulting Services

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Inspection, Geotech, Materials  
Testing, Survey & Design

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Construction and Material  
Testing, Environmental Testing,  
Civil Design & Surveying

## **Volkert Inc.**

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jfloyd@volkert.com  
www.volkert.com  
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Engineering, Surveying and  
Construction Engineering and  
Inspection (CEI)

## **Wood Environmental & Inf.**

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lessie.alderman@woodplc.com  
www.woodplc.com  
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Engineering Services

# 2019 TCA Membership Directory

## Contractor Members

### **Advantage Const. Services**

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Dickson, TN 37055  
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trentacs@comcast.net  
www.advantageconst.net  
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johnm@americanconstructors.us  
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### **Aubrey Black Construction**

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www.abcincrete.com  
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kb@bakersconstructionservices.com  
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### **Baltz & Sons Concrete**

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www.baltzconcrete.com  
*Products/Services:* Decorative

& Stamped Concrete, Pervious Concrete, Patios, Driveways, Pool Decks

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www.beech-construction.com  
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www.balp.com  
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### **Blount Contractors, Inc.**

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wchall@blountcontractors.com

www.blountcontractors.com  
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### **BurWil Construction Co.**

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### **Charles Goar Concrete**

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allengoar@gmail.com  
*Products/Services:* Form carpentry, Pour in Place, Commercial & TDOT Roadwork

### **Charles Watkins & Co.**

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### **Charter Construction Inc.**

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www.charterconstruction.com  
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*Primary Contact:* Ross Dempster  
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ross@dpfconcrete.com  
www.dempsterpouredfoundations.com

*Products/Services:* Poured In Place Walls, Follow Us On Instagram Dempster Poured Foundations LLC

### **Denham-Blythe Co., Inc.**

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*Phone:* (615) 855-2244  
vhohn@denhamblythe.com  
www.denhamblythe.com  
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### **Flintco, Inc.**

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www.flintco.com  
*Products/Services:* Flintco is a construction manager specializing in large commercial construction & self-perform portions of all concrete scope of work.

### **Fulmer Concrete Finishing Co. Inc.**

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Chattanooga, TN 37416  
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*Phone:* (423) 855-1551  
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*Products/Services:* Commercial & Industrial Concrete Contractor, Elevated Structures, Concrete Walls, Foundations & Slabs



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*Products/Services:*  
Foundations, Formed Walls,  
Fine Grading, Laser-Screeding,  
Place & Finish Slabs, Structural  
Concrete, Pervious & Tilt Walls

## Hawkins Asphalt Paving, LLC

PO Box 292  
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of City Streets, Curbing,  
Excavation, Driveways &  
Pervious Concrete

## HR Concrete Solutions, LLC

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Concrete, Decorative Concrete,  
Footings & Foundations,  
Flatwork, All Concrete  
Applications & Concrete Walls

## JAY-TON Construction Co.

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Facilities, Distribution Centers  
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construction, Bridge Repair,  
Bank Stabilization, Box Culverts  
& Chert Delivered

## Jinks Concrete Contractors Inc.

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Decorative Concrete, Curbs,  
Retaining Walls

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## KCS Construction, LLC

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Certified

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www.thelemyersco.com  
*Products/Services:* Place  
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Transmission Line Projects

## Lampley Construction Inc.

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Services, Commercial &  
Industrial

## Lithko Contracting Inc.

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www.lithko.com  
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Package Concrete Contractor

## MarCor Construction, Inc.

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*Products/Services:* Concrete  
Curb & Gutters, Sidewalks,  
Pervious Concrete, & Misc  
Concrete Work

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Downtown Improvement  
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Installer

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Huskey  
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southernconstructorsinc.com  
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*Products/Services:* General  
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Wastewater Plants, Pump  
Stations, Bridge Repairs,  
Commercial & Industrial Bldgs

## Tennessee Hardscapes

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www.turnerconstruction.com  
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## Vintage Resurfacing

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Polishing, Commercial &  
Residential

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*Products/Services:*  
Construction Company  
Specializing In Water & Sewer  
Utilities & Concrete

by L. K. Crouch, James Locum, Daniel Badoe and Heather P. Hall

# Going Past TDOT Specifications to Lower Concrete Permeability

## Part 3: Life in the Fast Lane

*Continued from page 12—*

Further, we appreciate the financial support of the TTU Department of Civil and Environmental Engineering.

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### Sign up for the TCA Member Update Today!

Email Donna Thompson at [donna@tnconcrete.org](mailto:donna@tnconcrete.org) to get started receiving the Member Update each week!

So much of what TCA does throughout the year does NOT come in one of these mailers. From classes to information about special events and opportunities, if you aren't signed up for our Member Update, you aren't getting the whole picture of what TCA can offer you!

Help us today make sure YOU are getting all the news by emailing Donna Thompson at [donna@tnconcrete.org](mailto:donna@tnconcrete.org) to get started receiving the Member Update each week. And think about signing up your employees as well! All we need is their name and email address.



*Table continued from page 13—*

**TABLE 10. COST ASSUMPTIONS**

COMPONENT	ASSUMED COST FOR READY MIX PRODUCER
Type I PC, (\$/ton)	\$110.00
Class F Fly Ash, (\$/ton)	\$30.00
Class C Fly Ash, (\$/ton)	\$50.00
Grade 120 Slag, (\$/ton)	\$85.00*
Silica Fume, (\$/ton)	\$1,000.00*
Metakaolin, (\$/ton)	\$473.00*
No. 57 Limestone, (\$/ton)	\$18.00
River Sand, (\$/ton)	\$15.00
Air Entrainer, (\$/gallon)	\$4.50
Mid-Range Water Reducer, (\$/gallon)	\$8.50
High-Range Water Reduced, (\$/gallon)	\$12.00

\*Plus freight

# TCA Member Healthcare Plan is Here and OPEN To YOU & Your Employees!



Stop by our website to see what TCA can offer you and all your employees—it won't cost you a thing but could save you up to 60% on healthcare costs!



**TCA is using this plan to provide coverage for our staff and it's worth your time to check it out.**

TCA's Member Healthcare Plan, in partnership with the Small Association Leadership Alliance (SALA), is a comprehensive and cost-effective **alternative to traditional plans**. This new program offers affordable, accessible, and effective healthcare options for our members – both businesses and individuals alike. The TCA Member Healthcare Plan provides a high-quality, affordable healthcare solution for employers, employees and sole-proprietors. **While not health insurance**, the program provides 100% coverage for preventative care, options for co-payment features with 100% coverage, and addresses unforeseen medical expenses, such as illness and injury.

**This program is not insurance.** It is an alternative solution that features a choice of two preventative care plans, each coupled with a medical cost sharing membership for sharing expenses related to unexpected medical needs. Participants can expect to save as much as 60% when compared to health insurance!

The TCA Member Healthcare Plan, in partnership with SALA, is one solution to the high cost of healthcare for our TCA members!

## Key Takeaways:

- Available to businesses AND individuals
- Available to full-time, part-time and seasonal staff
- The TCA's Member Healthcare Plan, provided by SALA, lowers healthcare costs by as much as 60%
- Enrollment is monthly – you may join at any time
- Offers a choice of two high-quality, affordable healthcare solutions
- Includes a four (4) year "Rate Lock" on preventative plans – offering rate stability in a very unstable market

**There will be an informational Webinar on September 12th at 8 a.m. CST at: <https://zoom.us/j/848699075>!**

**Learn more now on our website at: <https://www.tnconcrete.org/tca-member-health-insurance-plan>**





# CIM UPDATE

by Dr. Heather J. Brown

## UNDERGRADUATE JOB OUTLOOK: 2018-2019 IS STILL HOLDING STRONG!

- CIM continues to outpace the newly joined Construction Management major within the School of Concrete and Construction at MTSU with the highest enrollment, most students graduating annually, most students relocating for jobs, and the highest starting salary!
- Average salary for CIM has increased over 25 percent in the last five years, from \$45,347 in 2014-15 to almost \$58,000 this academic year.
- Employer involvement in the School remains a strength in the program, with 141 employer visits to campus to recruit this academic year!

MAJOR	CONCENTRATION	2018-19 GRADS	OUT OF TN	AVERAGE SALARY
Concrete Industry Management	Production, Sales & Service	31	11	\$59,004
	Concrete Contracting	18	4	\$56,050
	Total	49	15	\$57,917
Construction Management	Commercial	20	0	\$58,014
	Electrical	4	0	—
	Residential	19	1	\$52,760
	Total	43	1	\$56,992
Total CCM		92	16	\$57,631

## NEW SCHOOL OF CCM BUILDING

The new building for the School of Concrete and Construction on MTSU's southeastern corner of campus has been officially approved by the Governor and state legislature and is now beginning the planning phase. This summer the bid process will begin to obtain an architect and general contractor. The hope is to demolish the two vacated dorms on the jobsite in the fall to stay on a projected 24-month construction schedule developed by MTSU Campus Planning.

## CIM PATRON'S SPRING MEETING AND JIM SPEAKMAN MEMORIAL GOLF TOURNAMENT

This year, CIM was determined to grow their largest annual fundraiser, and made the annual golf tournament only for CIM

affiliated companies with the focus on employers of alumni. Now able to see past the building seed money, the goal was to make adjustments to the tournament that would result in sustainable annual funds with a focus on scholarships.



The Patron's group heard the call and had the most successful tournament ever with \$108,140 raised! Price increases for a foursome, a record number of teams registered (54 total teams over two flights!) and a few cuts to costs helped to make this year a new baseline for fundraising annually. Patron's plan to take a similar strategy with their fall efforts and voted to

## EMPLOYERS OF 2018-19 GRADUATES



- American Geothermal
- Argos x 2 (GA and SC)
- Boyce Ballard Construction
- Capital Project Solutions
- Cemex x 3 (FL)
- Command Alkon (AL)
- D.F. Chase Construction
- Delta Industries
- Doster Construction x 2
- Encon United (CO)
- Geoservices, LLC
- Goodall Homes
- Irving Materials, Inc. (imi)
- Kenny Pipe
- Kiewit x 2
- Lithko Contracting
- Marking Impressions
- Messer Construction
- Metromont (NC)
- Missoula Concrete Const (MT)
- Nashville Ready Mix
- National Ready Mix Concrete Company
- Prairie Materials
- Preferred Materials
- PSI
- Robins & Morton
- Sequatchie Concrete
- Sherman Industries
- Southern Building Group
- The Concrete Guys
- Turner Construction
- Wayne Brothers x 2
- Wirtgen America
- Zachry Construction

double the capacity of the fall Skeet Shoot to allow for growth.

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## STUDY ABROAD IN ENGLAND

The School of Concrete and Construction traveled for the fourth time to Constructionarium, the National Construction College in Bircham Newton, England. Twelve Concrete Industry Management and three Construction Management majors traveled with Mr. Jon Huddleston and Dr. Marcus Knight, CIM faculty. Students flew into London, toured the sights and traveled into the country to Bircham Newton. There, the students are divided into job functions, given titles, live in dorms, and work from sunup to sundown for five days to complete a scaled-down replica of an actual structure in England. This year the group completed the Brewery Wharf Footbridge while making friends and memories with their peers.



Entire study abroad group from the School of CCM on their completed replica of the Brewery Wharf Footbridge in London.



CIM students on their completed bridge; from left to right: Luke Saupe, Caroline Blackstone, Autumn Gates and Cannon Lamb



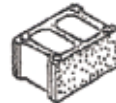
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