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TENNESSEE CONCRETE magazine is published for the Tennessee Concrete Association—

3026 Owen Drive Antioch, TN 37013 Phone: 615.360.7393 Fax: 615.360.6670 Website: www.tnconcrete.org

Publisher: Kahoy Group, LLC

Editor: Alan Sparkman

Advertising Director: J. Morris Woods

Art Direction: Donna G. Heninger

For advertising rates and information, contact Morris at 800.315.9950 x602.

Subscriptions in US, free upon request. Outside US, \$12 per year. To subscribe, contact TCA at the above address.

Articles appearing in Tennessee Concrete are frequently contributed by outside, independent sources. Conclusions drawn from these articles may be at variance with the opinions of our readers.

Tennessee Concrete welcomes response and rebuttal and will make every effort to print these responses. Send comments to: Editor, Tennessee Concrete, 699 President Place, Suite 400, Smyrna, TN 37167.

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Sam Pittenger 2022 TCA President

TCA is planning to move into this new home later this fall, and we will begin conducting classes and certifications in the new space as soon as we can. MEMBERS SUPPORTING **MEMBERS**

PLANS TO BUILD: PAUSED

am very pleased to report that TCA will be moving into a new home later this year. To say that our journey to this new home has been exciting would be true, but a bit simplistic. This journey began all the way back in 2007 when TCA purchased property at our old Fort Negley location. We were never able to build at this location but our purchase and subsequent sale of this urban location catapulted your association to financial stability.

Today we own property in Davidson County free and clear of any debt. Our plans to build on this property have now been paused due to the usual suspects: supply chain, Nashville's ongoing building boom and very real inflation in construction costs. But, TCA is not pausing in pursuit of increasing our capacity to serve the needs of the concrete industry in Tennessee. To this end, we have just leased space in the same neighborhood where we own property and modifications are now underway to provide everything we had planned for our new office. At the top of this list is our Concrete Lab and a separate Concrete Classroom to power our vital efforts for industry certification and training here in Tennessee.

TCA is planning to move into this new home later this fall, and we will begin conducting classes and certifications in the new space as soon as we can. In fact, we have already scheduled a class in conjunction with our partners at the National Ready Mixed Concrete Association for December of this year — stay tuned for registration information on this and other events in our new location.

Your Board of Directors at TCA is looking to the future and planning our strategy for 2023 and beyond. Thanks to all of our members for your support and participation that makes our progress possible!

Sam Pittenger, President of TCA's Board of Directors Harrison Construction





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Sarah Egan TN Concrete Association NRMCA Certified Pervious Concrete Installer The Wildcat Roller Screed is the easiest to use on the market and the most economical. It is also an ideal tool for concrete sidewalks, walking trails and golf cart paths.

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Alan Sparkman Executive Director

We love making it easier for Customers to Connect with

Members

Working to connect talented people seeking employment in the concrete industry with our members.



TCA: MAKING IT EASY TO CONNECT

elcome to the 2022 Directory Issue for the Tennessee Concrete Association! We love making it easier for customers to connect with our members and this is one of many ways that TCA does just that.

The TCA web site has a brand new look and organization — if you haven't visited us recently check it out at www.tnconcrete.org. You can find a wealth of information about concrete at our site, along with the latest information on our ACI certification classes, local events, research and much more. Moreover, find a brand new blog section where you will find a direct link to our new *Tennessee Concrete Conversations* podcast along with excerpts from our *Tennessee Concrete* magazine as well as our regular Member Updates.

Also exciting is TCA's Work in Concrete campaign that you will find on our various social media pages, as well as on our website. We are working to connect talented people seeking employment in the concrete industry with our members who are looking for great people to help create the future of our industry. If you are a TCA member and want to have your company listed on the Employment Opportunities page of our site (most of you are already there!) just let me know. TCA is all about making connections that make your business stronger!

Alan Sparkman, Executive Director of TCA



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certification

To verify an individual's ACI Certifications, visit: www.tnconcrete.org/certifications

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 by membership dues and program income, TCA is governed by a 12 member Board of Directors representing all three membership categories (Producers, Associates, and Affiliates).

Association **STAFF**



Alan Sparkman Executive Director



Darla Sparkman Director of Certifications



John E. Pearson, P.E. Director, Technical Services



Julia Hudson Online Education Coordinator

<u>2022 TCA</u> 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 with information advertising your company.

Member Updates – Thoughout 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 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 and visit us on Facebook at https://www.facebook.com/ tnconcrete/

Training and Certification – Exams and training were also offered in the following:

ACI Certification Programs

- Aggregate Testing Technician Level 1
- Aggregate Testing Technician Level 2
- Aggregate/Soils Base Testing Technician
- Concrete Field Testing Technician Grade 1
- Self-Consolidating Concrete Testing Technician
- Concrete Strength Testing Technician
- Concrete Laboratory Testing Technician Level 1
- Concrete Laboratory Testing Technician Level 2
- Masonry Field Testing Technician
- Masonry Laboratory Testing Technician
- Post-Installed Concrete Anchor Installation Inspector
- Concrete Construction Special Inspector
- Concrete Transportation Construction Inspector • Nondestructive Testing Specialist - Concrete Strength
- Shotcrete Inspector
- Adhesive Anchor Installer
- Concrete Flatwork Associate, Finisher, and Advanced Finisher
- Decorative Concrete Flatwork Finisher and Associate
- **Residential Concrete Foundation Technician**
- Concrete Quality Technical Manager
- Tilt-Up Supervisor and Technician

NRMCA Certification Programs

- Plant and Truck Certification
- Pervious Concrete Contractor Certification
- Certified Concrete Sales Professional (CCSP) • Exterior Flatwork Finisher Certification

Training – TCA Staff has over 100 years of combined concrete experience and we provide specific training for several of the certifications listed above. Contact John Pearson, PE directly for more information.

Tennessee Concrete Association 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 Palczer** 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

2018-2019 **Tim Costo** Sequatchie Concrete

2019-2020 Wes Blalock Blalock Ready Mix

2020-2021 **Duane King** Screaming Eagle Ready Mix



President

SAM PITTENGER Harrison Costruction

Vice President

SHELLEY PARHAM Ready Mix USA

Secretary/Treasurer

CHARLES LAY Lambcon, Inc.

Ready Mixed Directors

MIKE BALDONI Irving Materials

COLE DODDS Southern Concrete Products

> **JOSH EVANS** Delta Industries **Executive Committee**

JOSH RICHARDSON Pavement Restorations, Inc. **Executive Committe**

> SCOTT ELLER **Mobile Materials**

Associate Directors

STEWART PARKER **Continental Cement**

REBEKAH BOMAR Vulcan

JACLYN STREETER Master Builders

Affiliate Director

MATT PARK Solomon Colors

Ready Mixed Concrete Producer Members

ABERNATHY CONCRETE CO., INC.

PO Box 243 Pulaski, TN 38478 *Primary Contact:* Bill Abernathy *Phone:* (931) 363-1527 abernathyconcrete@charter.net *Products/Services:* Ready Mixed Concrete, Decorative Stamped Concrete, Aggregates, Metal Culverts & TDOT Approved Batch Plant

BLALOCK READY MIX

PO Box 4750 Sevierville, TN 37864 *Primary Contact:* Wesley Blalock *Phone:* (865) 453-4433 dunderwood@ blalockconstruction.com www.blalockcompanies.com *Products/Services:* Ready Mix Concrete, Concrete Pumping, Redi-Rock Retaining Wall System, NRMCA Certified Plants, NCPA Certified Precast Plant

Additional Information: Dennie Underwood, Technical Services Mgr.

Boyds Creek Plant 4265 Boyds 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

BRADLEY CONCRETE CO.

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

BT REDI MIX, INC.

1800 Boyd Ave Brownsville, TN 38012 Primary Contact: Mitch Parrish Phone: (573) 342-0049 mparrish@eastreadymix.com www.btredimix.com Products/Services: Ready Mix Concrete Supplier

C & C CONCRETE PRODUCTS, INC.

193 Towe String Rd. Jacksboro, TN 37757 Primary Contact: Bobby Crass, Jr. Phone: (423) 562-7425 bobbydcrassjr@gmail.com www.c-cconcrete.com Products/Services: Ready Mix Concrete, ICF's, Block, ACI Certified Personnel, NRMCA Certified, 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 tony-ccreadymix@live.com *Products/Services:* Ready Mix Concrete Services

CHANDLER CONCRETE CO.INC

PO Box 131 Burlington, NC 27216 *Primary Contact:* Ted Chandler *Phone:* (336) 226-1181 ted.chandler@chandlerconcrete. com 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

Boone, NC 28607 Sam Thompson sam.thompson@ chandlerconcrete.com Phone: (828) 963-0583

CUMBERLAND SUPPLY CO. INC.

PO Box 216 Carthage, TN 37030 Primary Contact: Phillip Hudson, Jr. Phone: (615) 735-1786 p1b2hudson@yahoo.com www.cumberlandsupplytn.com Products/Services: Ready Mix Concrete, TDOT Certified, Brick, Block, Lumber, Hardware, Masonry & Millwork

DELTA INDUSTRIES, INC.

1995 Nonconnah Blvd Memphis, TN 38132 *Primary Contact:* Josh Evans *Phone:* (901) 396-8900 jevans@delta-ind.com *Products/Services:* Ready Mix Concrete, Construction Aggregates, & Crushed Concrete *Additional Information:* <u>Cordova</u> 1323 Rebel Rd. Cordova, TN Phone: (901) 396-8900

DIXIE READY-MIX CONCRETE CO., INC.

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

HARRISON CONSTRUCTION CO.

1431 Centerpoint Blvd Ste.100 Knoxville, TN 37932 Primary Contact: Sam Pittenger Phone: (865) 637-1770 samuel.pittenger@harrisoncc. com www.harrisoncc.com Products/Services: Ready Mix Services and Aggregate Sales Additional Information: **Dandridge** 1070 Epco Dr. Dandridge, TN 37725 Harriman 2412 S. Roane St. Harriman, TN 37748

Kingston 730 Gallaher Rd Kingston,TN 37763

Knoxville

1730 Transport Lane Knoxville, TN 37924 Lenoir City 200 S. Nelson St. Lenoir City, TN 37771 Lovell Road 730 Lovell Rd. Knoxville, TN 37932 Maryville 1921 S. Court St. Maryville, TN 37803 Morristown 1527 W. 1st N. St. Morristown, TN 37814 <u>Oakridge</u> 250 Union Valley Rd Oak Ridge, TN 37830 Sweetwater 1921 Sands Rd Sweetwater, TN 37874 Louisville_ 1717 New Topside Rd Louisville, TN 37777 **IRVING MATERIALS INC.**

2001 Antioch Pike Nashville, TN 37013 Primary Contact: Cris Mabbitt Phone: (812) 202-0054 cris.mabbitt@irvmat.com www.irvmat.com Products/Services: Ready Mixed Concrete, Related Products, Aggregate, Sand & Pervious Concrete Additional Information: Contacts in TN: Tonya Alexander, Mike Baldoni, Phillip Hacket, Amanda Schweighardt **Clarksville** 261 Needmore Rd Clarksville, TN 37042 Phone: (931) 552-6026 <u>Columbia</u> 4616 Hardison Mill Rd Columbia, TN 38401 Phone: (931) 540-8248 **Cookeville** 2800 Dacco Ouarv Rd Cookeville, TN 38506 Phone: (931) 526-6107 **Crossville** 252 Maryette Ave. Crossville, TN 38555 Phone: (931) 484-5588 Dickson 1550 Old Columbia Rd Dickson, TN 37055 Phone: (615) 740-7001

Ready Mixed Concrete Producer Members

Dover

646 Highway 79 Dover, TN 37058 Phone: (931) 232-7001 **Fayetteville** 8 Cessna Road Favetteville, 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

<u>Morrison</u>

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

<u>Mt. Juliet</u>

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

Murfreesboro

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

<u>Nashville</u>

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

<u>Nashville</u>

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

<u>Nashville</u>

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

 Spring Hill

 758 Beechcroft Rd

 Spring Hill, TN 37174

 Phone: (931) 486-9072

 Springfield

 4277 US-431

 Springfield, TN 37172

 Phone: (615) 219-0966

<u>Tullahoma</u>

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: (877) 541-4542 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:* Cory Stultz *Phone:* (901) 373-1791 Kendall.stultz@buzziunicemusa. com *Products/Services:* Ready Mixed Concrete & Related Concrete Products Serving the Greater Memphis & Northern Mississippi Area

MID SOUTH CONCRETE INC.

PO Box 1220 Pulaski, TN 38478 *Primary Contact:* Meredith Walker *Phone:* (931) 363-0690 midsouth@smwb.net 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 midstatemobileconcrete@gmail. com www.midstatemobileconcrete. com *Products/Services:* Mobile Ready Mixed Concrete Services & Concrete Pumping Services, Pervious Concrete, Concrete Finishing

MID-WAY CONCRETE PRODUCTS, INC.

128 Natchez Trace Rd. Camden, TN 38320 Primary Contact: Jake Pearcy Phone: (731) 584-6991 midwayconcreteproducts@gmail. com Products/Services: Ready Mixed Concrete, Masonry, Pre-Cast & General Trucking Additional Information: <u>McKenzie</u> 24 Oak St. McKenzie, TN 38201 Phone: (731) 352-3850

MOBILE MATERIALS NASHVILLE,LLC

PO Box 90583 Nashville, TN 37209 *Primary Contact:* Scott D. Eller *Phone:* (615) 414-2591 scotteller@ mobilematerialsnashville.com www.mobilematerialsnashville.com *Products/Services:* Residential, Commercial, Shotcrete, Flow Fill, High Early Strength. Volumetric Mixer TDOT Certified

NEWPORT PAVING & READY MIX

PO Box 374 Newport, TN 37822 Primary Contact: Joe Malone Phone: (423) 623-8671 wesblalock@blalockandsons. com www.blalockcompanies.com Products/Services: Ready Mix Concrete, NRMCA Certified Plant & Fleet, Environmental Product Declaration Available

PAVEMENT RESTORATIONS, INC.

10162 Stinson St. Milan, TN 38358 Primary Contact: Casin Swain Phone: (731) 238-2119 casin@gotpotholes.net www.gotpotholes.net Products/Services: Volumetric Concrete Supply, NRCMA Volumetric Mixer Certified, Concrete Construction Including Curb, Gutter & Sidewalks Additional Information: Knoxville 5651 S. National Dr. Knoxville, TN 37914 Phone: (865) 724-3882 Madison 41 Fant Industrial Dr. Madison, TN 37115 Phone: (615) 663-9011

READY MIX USA EAST TN

PO Box 2389 Knoxville, TN 37901 Primary Contact: Joe Fowler Phone: (865) 573-4501 josephc.fowleriii@rmusa.cemex. com www.cemex.com Products/Services: Ready Mix Concrete Additional Information: 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, Lee Smith-Dalton (404) 423-8724

Ready Mixed Concrete Producer Members

<u>Bristol</u>

501 Janie Hammitt Dr. Bristol, VA 24201 Phone: (276) 669-3107 <u>Chattanooga</u> 604 Hudson Road Chattanooga, TN 37405 Phone: (423) 892-6444 <u>Chattanooga</u> 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 Wa

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

Greeneville

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

<u>Kingsport</u>

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

Knoxville 2200 Neyland Dr.

Knoxville, TN 37916 Phone: (865) 544-0320

<u>Knoxville</u>

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

<u>Lafayette</u>

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

<u>Maynardville</u>

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 wadew@rivercity-concrete.com www.rivercity-concrete.com Products/Services: Ready Mix Concrete, Septic Tanks, Concrete Blocks, Forming Supplies, Rebar & Reinforcing Material Additional Information: Selmer 850 Mulberry Ave. Selmer, TN 38375 Phone: (713) 645-7903 Wavnesboro 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 dking.screamingeagle@yahoo. com www.screamingeaglereadymix. com Products/Services: Concrete Services, Rebar, Concrete Tools, Building Materials, Decorative Sealers & Acid Stains Additional Information: Clarksville

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

SOUTHERN CONCRETE PRODUCTS, INC.

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

<u>Bolivar</u>

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 <u>Milan</u> 2500 Graball St. Milan, TN 38358 Phone: (731) 422-3358 <u>Paris</u> 535 Russell St. Paris, TN 38242 Phone: (731) 642-6672

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

TWIN K ENTERPRISES, LLC

16906 Alberta St. Oneida, TN 37841 *Primary Contact:* Kelley Krahn *Phone:* (423) 569-6341 kelley@twinkenterprises.net *Products/Services:* Ready Mix Concrete, TDOT & KYTC Certified, Concrete Pumping, Septic Tanks, Aggregate, Precast Products, Concrete Supplies *Additional Information:* <u>Dayton</u> 220 Hurst Ln.

220 Hurst Ln. Dayton,TN 37321 Phone: (423) 570-0687 Decatur

1768 TN-68 Decatur, TN 37322 Phone: (423) 332-6002

Harriman

348 Poland Hollow Rd. Harriman, TN Phone: (865) 234-7114 <u>Oneida</u> 16906 Alberta St. Oneida, TN Phone: (423) 569-6341 <u>Soddy Daisy</u> 210 Harrison Ln. Soddy Daisy, TN 37379 (423) 332-6002 <u>Wartburg</u> 3612 Morgan Co Hwy

Wartburg, TN

VANHOOSECO READY MIX

244 Blair Bend Dr. Loudon, TN 37774 *Primary Contact:* Jeff VanHoose *Phone:* (865) 458-3998 Itrent@vanhooseco.com *Www.vanhooseco.com Products/Services:* Concrete Homes, Roller Compacted Concrete, Self Consolidating Concrete, Pervious Concrete, Precast Wall Systems, Structural Precast Concrete, On Site Certified Lab, Underground Storm Water Management Systems

VOLUNTEER CONCRETE

PO Box 682423 Franklin, TN 37068 *Phone:* (931) 364-5900 accounting@volunteermaterials. com *Products/Services:* Ready Mix Producer, Concrete Pumping, Stone Hauling, Paving & Plant NRMCA Certified

VOLUNTEER READY MIX,LLC

70 S. Railroad St. Waverly, TN 37185 *Primary Contact:* Chad Vaughn *Phone:* (931) 364-5900 V_readymix@bellsouth.net *Products/Services:* Ready Mix Producer, Deliver Concrete, Concrete Tools, Residential & Commercial *Additional Information:*

<u>Lewisburg</u>

770 Hwy 99 Lewisburg, TN Phone: (931) 364-5900

WARRIOR PRECAST

PO Box 168 Rock Island, TN 38581 Primary Contact: Stacey Harvey Phone: (931) 686-3240 stacey.harvey@superiorwallstn. com www.warriorprecast.com Products/Services: Precast Concrete Structural &

WEST TN READY MIX

Architectural

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

ADMIXTURES **ACTIVE MINERALS INTERNATIONAL** LLC

34 Loveton Circle Ste.100 Sparks, MD 21152 Primary Contact: Joey Bell Phone: (571) 377-9158 j.bell@activeminerals.com www.acti-gel.com Products/Services: Worldwide leader in kaolin & attapulgite production. Our product, Acti-Gel 208, allows concrete producers to replace natural sand with manufactured sand while maintaining pumpability, workability & finishability.

CARBONCURE TECHNOLOGIES, INC.

1148 Stratborough Ln Fort Collins, CO 80525 Primary Contact: Kell Harvey Phone: (423) 602-0400 kharvev@carboncure.com www.carboncure.com Products/Services: CarbonCure manufactures a technology that introduces carbon dioxide(CO2) into concrete during mixing, enabling concrete producers to create high performing, more sustainable concrete with a reduced carbon footprint. Additional Information: Shannon Seipel Tec Serv Mgr (816) 598-6899 sseipel@ carboncure.com Mr. Taylor Northern Tec Serv Eng. (256) 614-3759 tnorthern@ carboncure.com

CHRYSO, INC.

3958 Ruger Drive Royse City, TX 75189 Primary Contact: Drew Carmichael Phone: (615) 631-5323 drew.carmichael@chrysoinc. com www.chrysoinc.com Products/Services: Full Line Admixture Supplier Additional Information: drew.

carmichael@chrysoinc.com

DON CONSTRUCTION **PRODUCTS, INC.**

2826 Lineberger Industrial Dr. Lancaster, SC 29720 Primary Contact: Alan Jolley Phone: (803) 286-5430 alan.jolley@dcp-int.com www.dcpusa.com Products/Services: Don **Construction Products** manufactures a full product range of products that services 4 core business units: Concrete & Cement Technology, Underground Construction Technology, Construction Projects Materials Technology and Building Finishing Products.

EDENCRETE

8041 Rocky Hollow Cove Germantown, TN 38138 Primary Contact: Brent Sanders Phone: (470) 316-8114 bsanders@edeninnovations.com www.edencrete.com Products/Services: Supplier of ASTM C494 TYPE S Admixture Base Containing A Carbon Nanotube Technology Additional Information: Brent Sanders Senior Sales Specialist (470)316-8114

GCP APPLIED TECHNOLOGIES

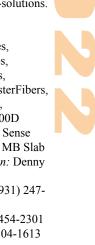
2325 Lakeview Pkwy Alpharetta, GA 30009 Primary Contact: Zack Swanson Phone: (410) 794-6973 zack.swanson@gcpat.com www.gcpat.com Products/Services: Our portfolio of construction products includes concrete and cement additives, building materials, and technologies that ensure specified quality and enhance business productivity. Additional Information: Gene Prince -Reg. Managing Dir.,South (602)509-6975 gene.m.prince@gcpat.com

Associate Members

MASTER BUILDERS 23700 Chagrin Blvd Cleveland, OH 44122 Primary Contact: Jason Ford Phone: (423) 609-0235 jason.ford@mbcc-group.com www.master-builders-solutions. com/en-us Products/Services: MasterPozzolith Series. MasterPolyheed Series, MasterGlenium Series. MasterSet Series, MasterFibers, Master X-Seed Series, MasterLife 300C & 300D Waterproofing, Green Sense Concrete, SRA/CRA, MB Slab Additional Information: Denny Lind (615) 390-4899 Nicholas Shortridge (931) 247-6189 Jaclyn Streeter (865) 454-2301 Tiler Crowder (901) 304-1613

SIKA CORPORATION

1930 Sarasota Business Pkwy Convers, GA 30013 Primary Contact: Jason Zelinski Phone: (864) 909-0869 zelinski.jason@us.sika.com www.sikausa.com Products/Services: Chemical Admixtures, Fibers, Decorative Color, Concrete Waterproofing, and Sustainability Admixtures. Additional Information: Bryan Strevel Sr. Sales Rep.(615)828-7332 strevel.bryan@us.sika.com Paul Ramsburg District Mgr. (864)344-4109 ramsburg.paul@ us.sika.com Patrick Armstrong Sales/ DST(423)680-0620 armstrong. patrick@us.sika.com Rickey Swancey Sales(615)840-3046 swancey. rickey@us.sika.com



Associate Members

AGGREGATES E. DILLON & CO.

PO Box 160 Swords Creek, VA 24649 Primary Contact: Mike Miller Phone: (276) 873-6816 mmiller@edillon.com www.edillon.com Products/Services: Aggregates & Dolo-Krete (Mineral Filler Additive for Replacing or Reducing Fly Ash) Additional Information: Steve St.Clair (276)701-0015, Donny Dye (276)971-0965

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.

PO Box 25250 Nashville, TN 37202 Primary Contact: Granville Grant Phone: (615) 613-1115 granville.grant@rogersgroupinc. com www.rogersgroupinc.com Products/Services: Limestone,

Natural Sand, Gravel, Asphalt & Asphalt Construction Services *Additional Information:* Angie Thurman-Sr.Sales Rep. (615)812-0502 angie.thurman@ rogersgroupinc.com, Cameron Stinnett-Sales Mgr. (931)858-0435, cameron.stinnett@ rogersgroupinc.com

VULCAN MATERIALS CO.

115 East Park Dr. Ste.100 Brentwood, TN 37027 Primary Contact: Rebekah Bomar Phone: (615) 210-5220 bomarr@vmcmail.com www.vulcanmaterials.com Products/Services: Crushed Stone & Sand Additional Information: Jon Badgett (615) 202-0503, badgettj@vmcmail.com

CEMENT

CEMEX 5000 Grantswood Rd. Ste.230 Birmingham, AL 35210 Primary Contact: Steven George Phone: (205) 777-2858 stevend.george@cemex.com www.cemexusa.com Products/Services: Portland Cement Additional Information: Steven George -Sales Mgr. Knoxville, Nashville & Kingsport Terminial

CONTINENTAL CEMENT CO.

16401 Swingley Ridge Rd Ste.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:* Joey Biasatti, VP Sales & Supply Chain (800)625-1133 2549 Channel Ave. Memphis,TN 38106

HOLCIM US

4037 Rural Plains Circle Ste.225 Franklin, TN 37064 *Primary Contact:* Heath Rogers *Phone:* (901) 833-3647 christopher.rogers@holcim.com www.holcim.com *Products/Services:* Portland Cement, Slag, Masonry & Oilwell Cement *Additional Information:* Joey Deroe (870) 215-3420

LEHIGH CEMENT CO.

400 Riverhills Business Park Ste.437 Birmingham, AL 35242 Primary Contact: Phil Detwiler Phone: (205) 968-5803 phil.detwiler@lehighhanson. 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 Ste.600 Birmingham, AL 35209 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 Cody Eaton Territory Mgr (615) 478-7594 william.codyeaton@ natcem.com

FIBER

DURAFIBER, INC.

714 West Main St. Ste.205 Murfreesboro, TN 37129 Primary Contact: Mike Deaton Phone: (615) 333-9883 durafiber@aol.com www.durafiber.com Products/Services: Furnish Concrete Fiber Reinforcement, which includes Ultrafiber 500, Polypropylene Fiber, Steel Fiber, & Fritz Pak Products Additional Information: Jim Brandon Regional Sales Mgr (615)333-9883 durafiber@aol. com Hal Johnson Regional Sales (615)333-9883 durafiber@aol. com

FLYASH

ECO MATERIAL TECHNOLOGIES 10701 S. River Front Pkwy Ste.300 South Jordan, UT 84095 *Primary Contact:* Clark Gates *Phone:* (615) 308-0219 clark.gates@ecomaterial.com www.flyash.com *Products/Services:* Fly Ash Sales, Fly Ash Disposal, Bottom Ash Sales, Bottom Ash Disposal. *Additional Information:* Darrell Wilson (336) 210-7435 TSR, Greg Thomas (501) 844-6607 TSR

THE SEFA GROUP

217 Cedar Rd. Lexington, SC 29073 *Primary Contact:* Bert Nunn *Phone:* (803) 622-9290 bnunn@sefagroup.com *Www.sefagroup.com Products/Services:* Fly Ash Sales, Technical Service, Transportation Service, Pig Rentals, Fly Ash Sources in TN, NC,& SC. *Additional Information:* Mark Casey Technical Sales & Service (865) 806-6950 mcasey@ sefagroup.com, Bert Nunn Vice

President Sales (803) 622-9290 bnunn@sefagroup.com

Affiliate Members

ARCHITECT

HEDSTROM DESIGN LANDSCAPE ARCHITECTURE

110 West Magnolia Ave. Knoxville, TN 37917 *Primary Contact:* Sara Pinnell *Phone:* (865) 329-0012 sara@hedstromdesign.com hedstromdesign.com *Products/Services:* Landscape Architect Services

BATCH PLANTS & EQUIPMENT ASTEC INDUSTRIES

4101 Jerome Ave. Chattanooga, TN 37407 Primary Contact: Troy Norris Phone: (423) 180-0584 tnorris@astecindustires.com www.astecindustries.com Products/Services: Manufacture concrete batch plants providing parts, installation & service.

COMMAND ALKON

1800 International Park Dr. #400 Birmingham, AL 35243 Primary Contact: Teddy Keller Phone: (205) 821-1440 tkeller@commandalkon.com www.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 chris@southernconcrete machinery.com www.southernconcretemachinery. com Products/Services: Con-E-Co Batch Plants, Pearson Hot Water & Chiller Systems, Ph Systems, BFK Reclaimers & Plant Parts for All Plant Manufacturers.

STEPHENS MFG CO. INC.

PO Box 488 Tompkinsville, KY 42167 *Primary Contact:* Greg High *Phone:* (270) 487-6774 ghigh@stephensmfg.com www.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 www.systemsandcontrols.com *Products/Services:* Stephens Concrete Plants & Parts, Batch Computers & Dispatch Systems, Badger Water Meters, Hydronix Moisture Probes, Plant Scale Certifications & Service

CONCRETE PUMPING CONCRETE PUMP PARTNERS

3950 Dickerson Pike Nashville, TN 37207 *Primary Contact:* Jon Kemp *Phone:* (615) 299-9899 jonkemp@pumppartners.com www.pumppartners.com *Products/Services:* Concrete Pumping Services

CONSTRUCTION EQUIPMENT MULTIVIBE, INC.

3125 N. Friendship Rd. Paducah, KY 42001 Primary Contact: Carl Ellis Phone: (270)554-2615 carle@multivibe.com www.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

INSULATED

CONCRETE FORMS A.G. HEINS CO. INC. 116 Heins St. Knoxville, TN 37921 Primary Contact: A. Gordon Heins III Phone: (865) 525-5363 gordonh@agheins.com www.agheins.com Products/Services: Concrete & Masonry Accessories, Insulated Concrete Forms,Waterproofing & Sealants.

NUDURA/TREMCO CPG

596 Summit Point Canton, GA 30114 *Primary Contact:* John Ritch *Phone:* (470) 603-5499 jritch@tremcoinc.com www.nudura.com *Products/Services:* NUDURA is a leading innovator of permanent concrete forming systems & accessories.

PARKS ICF, LLC

P.O. Box 10081 Knoxville, TN 37939 Primary Contact: Charles Parks Phone: (865) 688-2366 charles@parksicf.com www.parksicf.com Products/Services: Insulated Concrete Forms

MATERIAL SUPPLIERS CLEMONS CONCRETE COATINGS

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

PERK PRODUCTS & CHEMICAL CO.

42 Industry St. Nashville, TN 37221 Primary Contact: Scott Perkerson Phone: (615) 242-6157 scott@perk-products.com www.perk-products.com Products/Services: Manufacturer of Concrete Coatings to Include Sealers, Water-Proofers, Stains, Releases, and Surface Retarders. Distributor of Bagged & Liquid Calcium Chloride.

SCOTWOOD INDUSTRIES

12980 Metcalf Ave. Ste.240 Overland Park, KS 66213 *Primary Contact:* Doug Pratt *Phone:* (660) 605-1390 dpratt@scotwoodindustries.com *www.scotwoodindustries.com Products/Services:* Full Service Distributor of Magnesium Chloride & Calcium Chloride for Ice Control, Anti-Icing, Dust Control, & Road Stabilization.

SICALCO, LTD.

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

SOLOMON COLORS INC.

4050 Color Plant Rd Springfield, IL 62702 *Primary Contact:* Matt Park *Phone:* (615) 686-0880 mpark@solomoncolors.com www.brickform.com *Products/Services:* Colors for Concrete: Liquid, Dry, & Granular, Decorative Concrete: Stains, Stamps, Sealers, Resurfacing Overlays, Densifiers, Surface Retarders & Ultra-fiber

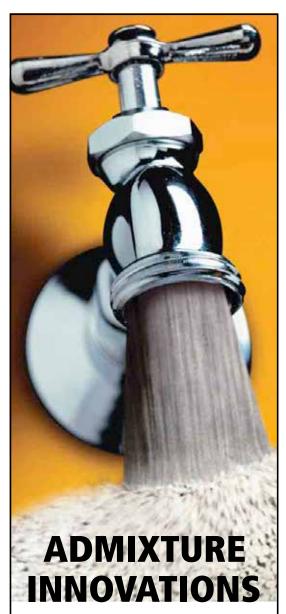
PRECAST BARGER & SONS, INC.

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

BRADLEY TANK & PIPE, LLC

PO Box 3146 Cleveland, TN 37328 *Primary Contact:* Eddie Johnson *Phone:* (423) 479-4482 edjohnson@bradleytankandpipe. com

Affiliate Members





One call will Change it all.



www.chrysoinc.com

Products/Services: Redi-Rock Retaining Walls, Sanitary/Storm-Manholes,Utility Structures, Grease Interceptors & Water Quality Structures

FOLEY PRODUCTS CO.

PO Box 2447 Columbus, GA 31902 Primary Contact: Keith Brocar Phone: (706) 563-7882 kbrocar@foleyproducts.com www.foleyproducts.com Products/Services: Precast Box & Round Structures, Drainage Products, Specialty Items

FORTERRA

213 Downs Blvd Franklin, TN 37064 *Phone:* (615) 794-6688 conner.wagstaff@forterrabp.com *Products/Services:* Producer of precast concrete products such as manholes, tops, trenches, boxes and chain walls.

GATE PRECAST CO.

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

HOLTON CONCRETE PRODUCTS, LLC

6726 Manchester Hwy Murfreesboro, TN 37127 *Primary Contact:* William Jerome Cole, Jr. *Phone:* (615) 893-9216 jrmcole@aol.com *Products/Services:* Precast Concrete & Pipe

JARRETT CONCRETE PRODUCTS INC.

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

MID-SOUTH PRESTRESS

2949 Joe Dowlen Rd Pleasant View, TN 37146 Primary Contact: Nick Thompson Phone: (615) 746-6606 nthompson@msprestress.com Products/Services: Structural Precast/ Prestressed Concrete Manufacturer & Erector. Hollowcore Precast Columns, Precast/Prestressed Beams & Solid Slabs.

OLDCASTLE INFRASTRUCTURE, INC.

5900 E. Division St. Lebanon, TN 37090 Primary Contact: Taylor Northern Phone: (615) 453-6111 taylor.northern@oldcastle.com www.crhamericas.com Products/Services: Underground Utility Products & Construction Accessories for the Telecommunications, Energy, Transportation, Building Structures & Water Markets

TRUCKS & EQUIPMENT

CON-TECH MFG., INC.

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

KNOX CONCRETE CONSULTANTS,LLC

915 Doyle Rd.Ste.303-118 Deltona, FL 32725 *Primary Contact:* Keith Knox *Phone:* (813) 546-6323 keith@silopros.com www.knox-concrete.com *Products/Services:* We service the concrete industry cleaning out trucks, silos, filer bags, etc.

MCNEILUS TRUCK

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

TEREX ADVANCE MIXER

7727 Freedom Way Fort Wayne, IN 46898 *Primary Contact:* Bradley Donnelly *Phone:* (330) 204-1079 Bradley.donnelly@terex.com www.terex.com/concrete *Products/Services:* Front Discharge Ready Mix Trucks, Complete Parts, Accessories & Field Service Network Bradley.donnelly@terex.com www.terex.com/concrete *Products/Services:* Front Discharge Ready Mix Trucks, Complete Parts, Accessories & Field Service Network

Contractor Members

ACE CONTRACTORS, INC.

7104 Calderwood Dr. Antioch, TN 37013 *Primary Contact:* Chandan Chaudhuri *Phone:* (615) 568-0060 chandanc@gmail.com *Products/Services:* Concrete Installation Services: Masonry, Stamped & Stained Concrete, Walls & Footings, Pervious

ADVANTAGE CONST. SERVICES

1208 Hwy 47 E Dickson, TN 37055 *Primary Contact:* Trent Smith *Phone:* (615) 740-8777 trentacs@comcast.net www.advantageconst.com *Products/Services:* Segmental Retaining Walls- Design Performed In House

BAKER'S CONSTRUCTION SERVICES, INC.

PO Box 417 Piney Flats, TN 37686 *Primary Contact:* Kevin Buck *Phone:* (423) 538-4400 kb@bakersconstructionservices. com www.contactbcs.com *Products/Services:* Site Construction, Utilities, Site Concrete, Curb & Gutter, Site Construction Oversight

BALTZ & SONS CONCRETE

10505 US Hwy 64 Ste 1 Arlington, TN 38002 *Primary Contact:* Kevin Baltz *Phone:* (901) 465-4337 kevin@baltzconcrete.com *www.baltzconcrete.com Products/Services:* Decorative Residential & Commercial Concrete & Pervious Concrete

BELL & ASSOCIATES

PO Box 363 Brentwood, TN 37024 *Primary Contact:* Darek Bell *Phone:* (615) 373-4343 www.balp.com *Products/Services:* Tilt-up, General Contracting, Bridges, Parking Garages

BHS CONCRETE LLC

860 Vaughn Rd Memphis, TN 38122 Primary Contact: Joe Brannon Phone: (901) 603-9997 joe@bhsconcrete.com www.bhsconcrete.com Products/Services: Residential & Commercial, Form & Place Concrete Foundations, Slabs, Flatwork, Walls, Patios & Driveways

BLOUNT CONTRACTORS, INC.

635 Dameron Ave. Knoxville, TN 37921 Primary Contact: William Hall Phone: (865) 981-9090 wchall@blountcontractors.com Www.blountcontractors.com Products/Services: Full Service Concrete Contractor wchall@blountcontractors.com

BURWIL CONSTRUCTION CO.

PO Box 637 Bristol, TN 37621 Primary Contact: Nick Self Phone: (423) 968-4158 nself@burwil.com www.burwil.com Products/Services: Concrete Services

C.J. MAHAN CONST. CO LLC

250 Hartford Ave. Columbus, OH 43222 *Primary Contact:* Jeff North *Phone:* (614) 875-8200 jnorth@cjmahan.com www.cjmahan.com *Products/Services:* Heavy civil and marine contractor specializing in major bridge structures along with experience with dams, piers, docks, loading facilities, deep heavy capacity foundations, drilled shafts, micro-piles and more.

CHARLES GOAR CONCRETE

1673 Newport Place LaVergne, TN 37086 *Primary Contact:* Charles Goar *Phone:* (615) 459-9003 allengoar@gmail.com *Products/Services:* Form carpentry, Pour in Place, Commercial & TDOT Roadwork

CHARTER CONSTRUCTION INC.

PO Box 90970 Nashville, TN 37209 Primary Contact: Turner Talley Phone: (615) 383-8464 turner@charterconstruction.com www.charterconstruction.com Products/Services: Concrete Subcontractor, Tilt-Up & Commercial

CHAVERS CONSTRUCTION, INC.

801 Virecent Rd Cantonment, FL 32533 *Primary Contact:* Ryan Chavers *Phone:* (850) 474-1966 ryan@chaversinc.com *www.chaversinc.com Products/Services:* Concrete, Asphalt, Road Construction, Underground Utilities, Site Work

CHRISTMAN SOUTHEAST CONSTRUCTORS

2400 Sutherland Ave Knoxville, TN 37919 Primary Contact: Andrew Bellmore Phone: (256) 243-3126 abellmore@christmanmac.com www.christmanco.com Products/Services: Structural Concrete, Decorative Concret, Sidewalks, Concrete Foundations, Slab on Grade, Elevated Slabs

DEMPSTER POURED FOUNDATIONS

PO Box 11331 Knoxville, TN 37939 Primary Contact: Ross Dempster Phone: (865) 755-0869 ross@dpfconcrete.com www. dempsterpouredfoundations.com Products/Services: Poured In Place Walls, Follow Us On Instagram Dempster Poured Foundations LLC

DENHAM-BLYTHE CO., INC.

3030 Business Park Circle Ste 200 Goodlettsville, TN 37027 *Primary Contact:* Vance Hohn *Phone:* (615) 855-2244 vhohn@denhamblythe.com www.denhamblythe.com *Products/Services:* Industrial Design-Build Construction & Engineering

DENNIS CONCRETE SERVICE, INC.

140 Kender Rhea Court Clarksville, TN 37043 *Primary Contact:* Josh N. Dennis *Phone:* (931) 801-2565 dennisconcrete@yahoo.com *Products/Services:* Concrete Construction Services & Pervious Concrete

DUSTY & SONS CONCRETE, LLC

2478 Greens Mill Rd. Columbia, TN 38401 Primary Contact: Josh Cornwall Phone: (615) 473-0123 joshcornwall@yahoo.com www.dustyandsonsconcrete.com Products/Services: Concrete Walls, Stamping & Staining Decorative Concrete, Driveways, Slabs, Flatwork & Pervious

GLENN E. MITCHELL & CO., INC.

3583 Louisville Road Louisville, TN 37777 *Primary Contact:* Andy Mitchell *Phone:* (865) 588-5135 andy@gemitchellco.com www.gemconcrete.com *Products/Services:* Foundations, Formed Walls, Fine Grading, Laser-Screeding, Place & Finish Slabs, Structural Concrete, Pervious & Tilt Walls

HAWKINS ASPHALT PAVING, LLC

PO Box 292 Wartrace, TN 37183 Primary Contact: Chris V. Hawkins Phone: (931) 580-6852 chrishawkins6852@gmail.com www.hawkinspaving.com Products/Services: Paving of City Streets, Curbing, Excavation, Driveways & Pervious Concrete

Contractor Members

HI-WAY PAVING INC.

4343 Weaver Court North Hilliard, OH 43026 Primary Contact: Edward Wessel Phone: (614) 876-1700 ewessel@hiwaypaving.com www.hiwaypaving.com Products/Services: Large scale concrete paving company operating in the southeast and midwestern states. Specializing in airfield and interstate slipform paving.

HR CONCRETE SOLUTIONS, LLC

722 Powdermill Rd Ste A Gatlinburg, TN 37738 *Primary Contact:* James Reeves *Phone:* (865) 335-2346 James@HR-Concrete.com www.hrconcreteco.com *Products/Services:* CIP Concrete, Decorative Concrete, Footings & Foundations, Flatwork, All Concrete Applications & Concrete Walls

JAY-TON CONSTRUCTION CO.

PO Box 142 Burlison, TN 38015 Primary Contact: Chase Sellers Phone: (901) 476-1487 csellers@jay-ton.com www.jay-ton.com Products/Services: Commercial Concrete Placement for Manufacturing, Energy Facilities, Distribution Centers & Warehouses

JC CONCRETE & CONST. LLC

1933 Chicken Rd Lebanon, TN 37090 Primary Contact: Kyle E. Norwood Phone: (615) 684-5535 kyle@jcconcreteconstruction. com www.facebook.com/ JCConcreteandConstruction/ Products/Services: We form, grade & finish concrete for commercial & industrial applications in TN & AL. This includes, but not limited to, slabs & foundations & walls.

JINKS CONCRETE CONTRACTORS INC.

184 Roy Rd Sweetwater, TN 37874 Primary Contact: JoAnna Jinks Phone: (423) 337-0073 jinks@jinksconcrete.com www.jinksconcrete.com Products/Services: ACI Certified Concrete Finishers & Adhesive Anchor, Certified NRMCA Pervious Concrete, Decorative Concrete, Curbs, Retaining Walls

JONES BROS. CONTRACTORS, LLC

1010 Pleasant Grove Place Mt. Juliet, TN 37122 *Primary Contact:* Kevin Hinson *Phone:* (615) 754-4710 khinson@jonesbroscont.com www.jonesbrosinc.com *Products/Services:* Road and Bridge Construction

KCS CONCRETE, LLC

PO Box 1939 Columbia, TN 38402 *Primary Contact:* Wade Kincaid *Phone:* (931) 490-9782 wade@kcsllc.com www.kcsllc.com *Products/Services:* Residential & Commercial Concrete, Concrete Subcontractor For All Size Home Builders, Pervious Certified

L.E. MYERS CO.

401 Chestnut Street Ste 120 Chattanooga, TN 37402 *Primary Contact:* Tod Cooper *Phone:* (423) 265-4441 tcooper@myrgroup.com www.lemyers.com *Products/Services:* Place Foundations for Substations & Transmission Line Projects

LEE ADCOCK CONSTRUCTION

826 N. Jefferson St. Shelbyville, TN 37160 *Primary Contact:* Logan Rangel *Phone:* (931) 684-1771 I.rangel@leeadcock.com www.leeadcock.com *Products/Services:* General Contractor, Commercial Construction, Industrial Const., Design Build Const. & Concrete Const.

LITHKO CONTRACTING INC.

359 Mason Rd. LaVergne, TN 37086 *Primary Contact:* Chris Dittman *Phone:* (615) 834-8773 dittman@lithko.com www.lithko.com *Products/Services:* Total Package Concrete Contractor

MARCOR CONSTRUCTION, INC.

922 Harpeth Valley Place Nashville, TN 37221 *Primary Contact:* Kyle Bowers *Phone:* (615) 673-9950 kyle@marcorconstruction.com *www.marcorconstruction.com Products/Services:* Concrete Curb & Gutters, Sidewalks, Pervious Concrete, & Misc Concrete Work

NICKELL COMPANY, LLC

785 Armstrong Lane Columbia, TN 38401 *Primary Contact:* Steve Wiley *Phone:* (931) 388-3644 stevew@dnickell.com www.dnickell.com *Products/Services:* Concrete Installers of Driveways, Sidewalks, Curb & Gutter, Foundations, Floor Slabs & Walls.

NSITE, INC.

PO Box 150 Milan, TN 38358 Primary Contact: Bill Smith Phone: (731) 695-5663 bill@nsite-inc.com Products/Services: General Contractor Specializing in Downtown Improvement Projects, Certified Pervious Installer

RC CONSTRUCTION CO. INC.

310 West Park Ave. Greenwood, MS 38930 *Primary Contact:* Scott Murchison *Phone:* (662) 453-2424 smurchison@rcconst.net Products/Services: RC Construction self-performs Portland Cement Concrete (PCC), Heat Resistance Concrete (HRC), Demolition, Grading, Drainage, and Base Coarse. We deliver all aspects of airport infrastructure including platforms, systems, hangars, transport roads, runways, taxiways, and aprons.

RJ WATKINS AND SON CONSTRUCTION, INC.

1706 Industrial Loop Rd Pulaski, TN 38478 Primary Contact: Charles Z. Watkins Phone: (931) 309-2039 charleswatkinsandcompany@ gmail.com Products/Services: Bridge Builders, Retaining Walls, Box Culverts, Span Bridges, Pipe in Walls, ACI Certified Flatwork

SHIMMICK CONSTRUCTION

5535 Trailhead Dr. Chattanooga, TN 37415 *Primary Contact:* Larry Glover *Phone:* (423) 498-5490 larry.glover@shimmick.com www.shimmick.com *Products/Services:* Prime (General) Contractor

SIMPSON CONST. DIV. SUMMERS TAYLOR

178 Durkee Rd NE Cleveland, TN 37323 *Primary Contact:* David Denham *Phone:* (423) 472-4553 davidd@summerstaylor.com/ www.summerstaylor.com/ simpson-construction *Products/Services:* Bridge Construction, Marine Structures, Bridge Demolition/Removal, Box Culverts, Retaining Walls, Railroad Structures, Slipform, and Portland Cement Concrete Paving and Flatwork

Contractors

SMC COMMERCIAL LLC

804 E Gov. John Sevier Hwy Knoxville, TN 37920 Primary Contact: Jason Dunaway Phone: (865) 851-9236 jason@smcknox.net Products/Services: Commercial Concrete Installation

SOUTHERN CONSTRUCTORS, INC

PO Box 9476 Knoxville, TN 37940 Primary Contact: Richard Huskey Phone: (865) 579-5351 rhuskey@ southernconstructorsinc.com www.southernconstructorsinc. com Products/Services: General Contractor Specializing in Infrastructure- Water & Wastewater Plants, Pump Stations, Bridge Repairs, Commercial & Industrial Bldgs

WALLAND SERVICES, LLC

PO Box 295 Rockvale, TN 37153 Primary Contact: Tony Sutherland Phone: (615) 772-8212 wallandservices@gmail.com Products/Services: Construction Company Specializing In Water & Sewer Utilities & Concrete

WILSON CONSTRUCTION GROUP, LLC

PO Box 785 Athens, TN 37371 *Primary Contact:* Keith Wilson *Phone:* (423) 745-0600 info@wilsonbuilds.com www.wilsonbuilds.com *Products/Services:* New Building Construction, Bridge Rehabilitation, Hanger Construction, Streetscape Construction, Construction of Building Additions

ATLAS

2690 Memorial Blvd.Ste D Murfreesboro, TN 37129 Primary Contact: Tim Thomson Phone: (615) 546-6946 tim.thomson@oneatlas.com www.oneatlas.com Products/Services: Concrete Acceptance Testing/QA, QC, Soil Mechanics, Geotechnical Investigation, Full Lab for Construction Materials Testing

ATLAS

3144 Stage Post Dr. Bartlett, TN 38133 Primary Contact: Dave Schmidt Phone: (901) 259-2362 dave.schmidt@oneatlas.com www.oneatlas.com Products/Services: Geotechnical & Construction Material Testing Services, Monitor Concrete Testing, Fill Placement, Density Testing & Steel Inspection

BARGE DESIGN SOLUTIONS

615 3rd Ave. S. Ste 700 Nashville, TN 37210 Primary Contact: Raymond Canady Phone: (615) 254-1500 raymond.canady@bargedesign. com www.bargedesign.com Products/Services: Architectural & Engineering Services Surveying & Construction Inspection

BFW ENGINEERING & TESTING, INC. PO Box 120

Paducah, KY 42002 Phone: (270) 443-1995 www.bfwengineers.com Products/Services: Construction Materials Testing, Inspections, Civil, Structural, Transportation & Surveying

BUILDING & EARTH SCIENCES, INC.

3522 Central Pike Ste 202 Nashville, TN 37076 *Primary Contact:* Buddy Matherley *Phone:* (615) 965-8900 jbmatherley@buildingandearth. com

Engineer Firms/Testing Labs

www.buildingandearth.com *Products/Services:* Geotechnical Engineering Services, CMT & Special Inspections

CDM SMITH

1100 Marion St. Ste 300 Knoxville, TN 37921 *Primary Contact:* Jeff Widner *Phone:* (865) 963-4300 widnerjm@cdmsmith.com www.cdmsmith.com *Products/Services:* Construction Management,CEI-Inspection and Concrete Testing, Design,Transportation,Environ mental

COLLIER ENGINEERING

2949 Nolensville Pike Nashville, TN 37211 Primary Contact: James Beaudoin Phone: (615) 331-1441 jim.beaudoin@ collierengineering.com www.collierengineering.com Products/Services: Consulting Engineering, Geotechnical Engineering & Materials Inspection

CONSTRUCTION MAT.LAB/DBA, INC.

PO Box 9449 Knoxville, TN 37920 Primary Contact: Allen Browning Phone: (865) 573-6122 abrowning@cmllabtechs.com www.cmllabtechs.com Products/Services: Geotechnical Drilling & Rock Coring, Construction Materials Testing, Concrete Testing,QA/QC Fill Placement & Density Testing, AMRL Accredited

ECS SOUTHEAST, LLP

318 Seaboard Ln Ste 208 Franklin, TN 37067 Primary Contact: Mark Luskin Phone: (615) 885-4983 mluskin@ecslimited.com www.ecslimited.com Products/Services: Engineering Consulting and Testing for Construction Materials, Geotechnical & Environmental, Concrete Coring

ENGINEERING & TESTING SOLUTIONS

PO Box 6212 Sevierville, TN 37864 *Primary Contact:* Michael Whaley *Phone:* (865) 428-4468 awhaley@ets-tn.com www.ets-tn.com *Products/Services:* Geotechnical & Constructions Materials Testing, Retaining Wall Design, Laboratory Testing & Drilling

GEOSERVICES, LLC

2561 Willow Point Way Knoxville, TN 37931 Primary Contact: Josh Eslinger Phone: (865) 539-8242 jeslinger@geoservicesllc.com www.geoservicesllc.com Products/Services: Geotechnical, Construction Materials, Natural Resources Engineering

GEOTECHNOLOGY INC.

3312 Winbrook Dr. Memphis, TN 38116 Primary Contact: Justin Donovan Phone: (901) 353-1981 jdonovan@geotechnology.com www.geotechnology.com Products/Services: Engineering Services, Construction Materials Testing & Special Inspections

GOODWYN, MILLS & CAWOOD, INC.

3310 West End Ave. Ste 420 Nashville, TN 37203 *Primary Contact:* Phil Collins *Phone:* (615) 333-7200 phil.collins@gmcnetwork.com *www.gmcnetwork.com Products/Services:* Geotechnical, Construction Materials Testing, Architecture, Engineering, Environmental, Transportation

Engineer Firms/Testing Labs

GTEC, LLC

412 Governors Dr. SW Huntsville, AL 35801 Primary Contact: Kasi Brumlow Phone: (256) 541-0165 kbrumlow@gteccorp.com www.gteccorp.com Products/Services: Geotechnical Engineering, Testing Laboratory, Environmental Consulting, Geophysical Surveying & Mapping Services

HDR INC.

4645 Village Square Dr. Ste F Paducah, KY 42001 Primary Contact: Kevin Walker Phone: (270) 444-9691 kevin.walker@hdrinc.com www.hdrinc.com Products/Services: Engineering services

INTERTEK-PSI INC.

751 South 5th St. Nashville, TN 37206 *Primary Contact:* Tony Thomas *Phone:* (615) 244-8990 tony.thomas@intertek.com www.intertek.com *Products/Services:* ASHHTO Certified Laboratory, ARML (ASTM E329), ACI, ASNT, CWI

K.S. WARE & ASSOCIATES LLC

52 Lindsley Ave Ste 101 Nashville, TN 37210 Primary Contact: Julie Oliphant Phone: (615) 255-9702 joliphant@kswarellc.com www.kswarellc.com Products/Services: Concrete, Asphalt, and Aggregate Testing

NEEL-SCHAFFER, INC.

210 25th Ave. N. Ste 800 Nashville, TN 37203 Primary Contact: Darrell Bost Phone: (615) 383-8420 darrell.bost@neel-schaffer.com www.neel-schaffer.com Products/Services: Structural Design Roadway Design, Concrete Placement Inspection, Testing & Mix Design

OHM ADVISORS

209 10th Ave. S. Ste 154 Nashville, TN 37203 *Primary Contact:* Chris Lamus *Phone:* (615) 649-5264 chris.lamus@ohm-advisors.com *Www.ohm-advisors.com Products/Services:* Architecture, Engineering, Planning & Urban Design, Landscape Architecture & Surveying

PATRIOT ENG.& ENVIRONMENTAL

6150 E. 75th St. Indianapolis, IN 46250 Primary Contact: Jeff Young Phone: (317) 576-8058 jyoung@patrioteng.com Products/Services: Materials Testing Services, Environmental Engineering, Geotechnical Engineering

RAGAN-SMITH ASSOCIATES, INC.

PO Box 60070 Nashville, TN 37206 *Primary Contact:* Kenny Freer *Phone:* (615) 244-8591 kfreer@ragansmith.com www.ragansmith.com *Products/Services:* Transportation Engineering, Civil Eng., Surverying, Landscape Architecture & Construction Services

ROSS BRYAN ASSOCIATES, INC.

1 Vantage Way Ste.B-400 Nashville, TN 37228 *Primary Contact:* Michael Paris *Phone:* (615) 329-1300 paris@rossbryan.com www.rossbryan.com *Products/Services:* Structural Engineering

S&ME, INC.

1413 Topside Road Louisville, TN 37777 *Primary Contact:* Jason Feuge *Phone:* (865) 970-0003 jfeuge@smeinc.com www.smeinc.com *Products/Services:* Concrete Testing, Soil & Rock Testing, Aggregate Testing, Construction Monitoring Services, Geotechnical Engineering

SHIELD ENGINEERING

300 Forestal Dr. Knoxville, TN 37918 *Primary Contact:* Ray Tant *Phone:* (865) 544-5959 rtant@shieldengineering.com *Www.shieldengineering.com Products/Services:* Construction Materials Testing, Special Inspections, Geotechnical Engineering, Environmental Engineering, & Forensic Engineering

SMITH SECKMAN REID, INC.

2995 Sidco Dr. Nashville, TN 37204 *Primary Contact:* Steve Lane *Phone:* (615) 383-1113 slane@ssr-inc.com www.ssr-inc.com *Products/Services:* Engineering Services to Private & Public Entities, Pervious Certified

SOL ENGINEERING SERVICES, LLC

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TERRACON CONSULTANTS, INC.

5217 Linbar Dr. Ste 309 Nashville, TN 37211 *Primary Contact:* Patrick O'Leary *Phone:* (615) 333-6444 patrick.o'leary@terracon.com *www.terracon.com Products/Services:* Construction Materials Testing (ACI, ICC, PTI) Geo-technical Engineering & Environmental Consulting Services

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5613 Tennessee Ave Ste 101 Chattanooga, TN 37409 Primary Contact: Randy Brown Phone: (423) 756-7970 rbrown@thompsonengineering. com www.thompsonengineering.com Products/Services: Consulting, Inspection, Geotech, Materials Testing, Survey & Design

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by Jon Huddleston, Associate Professor & CIM Director

CIM AT THE BIG MACHINE MUSIC CITY GRAND PRIX

MTSU's Concrete Industry Man-

agement (CIM) reconnected this year

with the Big Machine Music City

Grand Prix for the second year of their

continuing partnership. CIM worked

with the Grand Prix last year to de-

velop a special lighter weight and more

durable mix for the concrete barriers

around the track, as well as concrete

Rising seniors Kayla and Ashley

Gates, CIM Director Jon Huddleston,

and SCCM Director Kelly Strong met with track designer Tony Cotman for a

special tour of the track and discussion

of how the reuse and reinstallation of

the barriers was handled. The Gates

sisters also worked the CIM booth

advertising to race goers and talking

pads along pit row.



Ashley and Kayla Gates at the Big Machine Music City Grand Prix track tour

about their experience in the CIM program. They had the opportunity to show off the precast commemorative panel they design and constructed which included the CIM and MTSU logos as

well as a silhouette of an Indy car. The students included Chyrso Inc's Lumintech luminescent aggregate in the design which really made the logos stand out as night fell in downtown Nashville.



Ashley and Kayla Gates cast their Grad Prix panel with CIM Director Jon Huddleston

CIM NASA INTERNS WRAP UP AN EXCITING SUMMER

Middle Tennessee State University's Concrete Industry Management Program, Jacobs Space Exploration Group, The University of Alabama in Huntsville, and Southern University and A&M College – Baton Rouge,



Ashley and Kayla Gates share their intership at NASA MUREP in Huntsville, Alabama

LA partnered with Drake State Community and Technical College in Huntsville for the first MUREP (NASA's Minority University Research and Education Project) Frontiers Research Colloquium and it was an absolute success.

The groups, including students, shared their knowledge of additive manufacturing, structural heath monitoring on lunar structures, and advances in concrete materials which they learned about and developed as a part of the 10-week internship program. The conversations and roundtable discussion were impactful and will continue with additional intern groups over the next two years that will continue to develop the ideas and initiatives conceived this summer.

SCHOOL OF CONCRETE AND CONSTRUCTION MANAGEMENT BUILDING UPDATE

We've all been haunted by supply chain and weather issues and the new School of Concrete and Construction Management building is no exception. However, opening day is just around the corner. Due to delays the building will not be open for student's return on the first day of the fall semester, but we will host our first class in the new facility upon our return from fall break on October 12. On October 13, CIM will host its fall patrons meeting in the new facility and the day will be kicked off with MTSU President, Dr. Sydney McPhee, hosting a ribbon cutting event at 10 a.m. Feel free to join us in the ribbon cutting and the day long open house for a tour of the new facility.



Sneak Peek School of Concrete and Construction Management Building Front Exterior



TECHNICAL DIRECTOR'S MESSAGE—JOHN B. PEARSON, P.E. WHEN A LOW BREAK IS NOT REALLY A LOW BREAK: REPORTING AND EVALUATION OF CONCRETE TEST RESULTS

ou just received the concrete strength test report for that big wall pour from last month and you see the dreaded "low break" flagging on one of the test results. The test result falls shy of the 4000-psi design strength by a couple of hundred psi. It's time to get out that coring machine and see if you have a problem ... NOT SO FAST! That "low break" may meet all project and code requirements, and by design, may be an acceptably normal occurrence based upon mixture proportioning and acceptance requirements ACI 318 *Building Code Requirements for Structural Concrete Code and Commentary* and ACI 301 *Specifications for Structural Concrete*.

All parties on a project want to be informed as soon as possible when a true low-strength test result occurs or will likely occur. As a result, testing labs will flag certain test results as a low break so that the project team is quickly informed, and timely decisions can be made. Some labs may flag a single test cylinder that breaks below the specified strength (fc') as a low break, or a single set of cylinders that has an average strength below fc' as a low break. Additionally, some labs flag an early age break as a low break if a certain percentage of fc' is not achieved. Although well intended, these practices can unintentionally create issues if the project's acceptance criteria are not well understood by all parties, especially since the triggers for "low break" status are not consistent across the industry and may not be in line with project and code compliance requirements. This can often lead to project delays and unnecessary costly coring of the structure.

Let's look at how ACI 318 and ACI 301 define acceptable concrete. For acceptance, a strength test is the average of the strengths of at least two 6 x 12 cylinders or at least three 4 x 8 cylinders made from the same test sample and tested at an age of 28 days or at a test age designated for fc'. For standard cured cylinders (cylinders sampled in accordance with ASTM C172, standard cured in accordance with ASTM C31, and tested for compressive strength in accordance with ASTM C39) the strength level of a concrete mixture **shall** be deemed acceptable if both the following are satisfied:

- 1. Every arithmetic average of any three consecutive strength tests equals or exceeds the specified strength (fc').
- No strength test falls below fc' by more than 500 psi if fc' is 5000 psi or less, or by more than 0.10 fc' if fc' exceeds 5000 psi.

If either of these criteria is not satisfied, then measures need to be taken to increase the average of subsequent strength results. The actions may include adjustments to the mix, improvements in quality control, or improvements in the quality of the compliance testing. However, it is only upon failure of the second criteria (e.g., a 4000-psi concrete breaking below 3500 psi at 28 days) that a low-strength test result investigation is required, and steps need to be taken to ensure that the integrity of the structure is not jeopardized. The code states, "If the likelihood of low-strength concrete is confirmed and calculations indicate that the structural adequacy is significantly reduced, tests of cores drilled from the area in question shall be permitted." Per the code commentary, coring is more of a last resort in limited circumstances and not a default when acceptance criteria are not met. Real world examples on how to apply the ACI 318 acceptance criteria can be found in a free document developed by ACI: ACI E702.3-21 *Designing Concrete Structures: Acceptance of Concrete Compressive Strength Test Results According to ACI 318-19.*

The intent of code proportioning and acceptance criteria is to reduce the risk of accepting low-strength concrete to a statistically acceptable level, while limiting the occurrence of rejecting acceptable concrete. When the ACI 318 criteria are correctly and strictly applied it should be anticipated to have the occasional occurrence (about 1 for each 100 tests) where the acceptance criteria are not met but the strength and uniformity of the concrete are satisfactory. This should be considered when evaluating test results. However, erroneously applying alternate more restrictive criteria will significantly increase this probability.

According to ACI 214 Guide to the Evaluation of Strength Test Results of Concrete, a project with only seven strength test results would have an approximate 10 percent probability of one of the strength tests not meeting one of the acceptance criteria (1 and 2 above) but would have about a 50 percent probability of having one test result that falls below fc'. Therefore, considering any break below fc' as a failing test will likely result in the rejection and potentially the removal of quality, code compliant concrete. This is not to say that this type of occurrence should be ignored and not noted in some way on concrete test report. However, these occurrences should be identified in a way that is not prone to misinterpretation. Consider the law enforcement world. There is a difference between a person of interest, a suspect, and the perpetrator. Word choice matters - once a label is incorrectly applied, it is hard to undo the damage. Similarly, there is a difference in an anomaly or noteworthy break, a suspected or potential low break, and an actual low-strength test result. Effective communication is critical to a successful project. Correctly characterizing the and evaluating break results based upon the acceptance criteria for the project could end up saving your project time and money.

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