

Travis Cole, Deputy Road Supervisor, Mesa County Colorado.

I had the pleasure to participate in the 2024 NCAT - Asphalt Technology Course in Auburn, Alabama and all the thanks goes to CAPA. I thought that I knew a fair amount about Asphalt and then I took this course with NCAT. This series of classes that are offered in this course were very informative and eye opening to all the different Asphalt mix designs and what it takes to test each mix and what causes different distresses in the different design mixes. I am very amazed with all of the knowledge that each of the presenters during the class had to offer. This class was only a week long and it is a week packed full of information, if there was one thing that I wish was a little different that would be possibly the class be a little longer to help absorb all the information given. We were able to go out to the asphalt test track and experience the trucks running on all the different types of asphalt, we also got to visit Lee road where all the different types of paving and rehab methods have held up over the years. Having the opportunity to attend this class will help me in the decision making of what surface seals and types of asphalt will work best for our roads here in Mesa County, Colorado. I feel that the information that has been shared will also allow me to help provide our tax payers with the best quality of pavement we can offer. With the information of how to keep your good roads good will also help save our tax payers money in the long run if we can make our roads last longer. My boss was able to attend this same class in 2023 and suggested that I take the class this year, it is very beneficial to Mesa County to have more than one person exposed to this kind of information that has been shared with us from the presenters at NCAT. With two of us we will be able to work together and share the information that we learned between one another to better our road network in Mesa County, Colorado. Mesa County will continue to try to expose a few more of our employees to upcoming classes to further the company's knowledge in asphalt. I want to specifically thank Tom Clayton, his team and CAPA for allowing me to have this opportunity to attend this training to continue my education in the asphalt industry at such a high-quality training facility.



I want to thank you and CAPA for giving me the opportunity to attend the NCAT Asphalt Technology Course at Auburn, Alabama. This program was so helpful and very educational as well as eye opening in many cases, the knowledge each instructor has is incredible on how passionate they're within the asphalt industry and how much effort they put into their work, it's amazing. I wish I had more time out there to gain more knowledge from the instructors themselves and the course, it has a lot of helpful information in one week to take on. Being both in class and on site were very helpful especially when visiting Lee Road and the NCAT test track where you can visually see and feel how the road looks within the different materials used and scenarios they do, which is very awesome on how well maintained the asphalt keeps up a work of art. This program is one of the best I've been to and the knowledge I gained from it will help me with asphalt to get the best product available for our streets. It's incredible how many industries all over the United States yet the country reach out to them for answers and help, this is such a well-respected institution it was honor being able to attend. Thank you again for letting me attend this program. I will highly recommend to my peers and others to apply to be able to get this information under their belt.

Regards,



Jason Sanchez - PW Construction Inspector

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March 18th, 2024,

Tom Clayton, SET
Director of Training and Member Services
Colorado Asphalt Pavement Association
6880 S. Yosemite Court, Suite 110
Centennial, Colorado 80112

Re: Short Course in Asphalt Technology

Dear Tom,

I am writing to express my enthusiasm and appreciation for the Short Course in Asphalt Technology, presented by the National Center for Asphalt Technology (NCAT), at Auburn University.

The program covers a tremendous amount of material in four and a half days. Participants are given an overview of pavement technology, beginning with the first AASHO (later AASHTO) test track in 1958, through the advent of Superpave technology in the 1990s, to current research and development of Balanced Mix Designs (BMD). I found the BMD lectures fascinating; unlike volumetric pavement design, these mixes are entirely performance-based. The researchers are experimenting with novel binders, polymers, and aggregates that will lead to the production of next-generation pavements. These mixes are expected to ultimately replace Superpave design.

I was impressed with the performance of the pavement preservation technologies. There are sections of pavement on the test road that are twenty-three years old and look as though they could have been placed last season. I was interested to learn that the test track sections are constructed to mimic the conditions on the ground in each of the sponsor states. Some sections even required importing soils when similar soils could not be sourced locally.

Every member of the research team displayed a deep knowledge of, and passion for, their work. Besides being incredibly talented, they were extremely personable and approachable. We were encouraged throughout the course to reach out if we had or should have any questions or comments. I'm confident I've made solid professional contacts and perhaps a friend or two as well. Participation in this course has been well worth the time, and I would encourage anyone in the industry to attend!

Sincerely,

A handwritten signature in black ink, appearing to read "Z Nover".

Zachary Nover
Materials Testing Lab
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znover@auroragov.org

Good afternoon, Tom, I hope all is well with you.

I apologize for taking so long to get back to you on my follow up email regarding my recent trip to Alabama and having the chance to experience the NCAT Conference @ Auburn University.

1st, again I would like to thank you for giving me the opportunity to attend and revel in the beauty that is Alabama, as I had never been down to the deep south before. The people were amazing and very friendly.

2nd, the folks at NCAT were so informative and generally enthusiastic about the job they were doing. I was so impressed with the knowledge of everyone that I couldn't possibly begin to understand the magnitude of which goes into generating Asphalt and its many components. I discovered the term "Binder", which of course is what we call "oil".

Another term that I became familiar with at NCAT, was RAP. I knew we here at Jefferson County reused most of recycled asphalt and referred it as "millings", but to be honest I never knew RAP is recycled asphalt with binder that can come to be reused back on our roads, as in some cases up to 20% of RAP is being used on our roads today that we are paving. I thought it was interesting to see the difference between RAP and Virgin mixtures.

Tom, I could go on and on about my time down at NCAT, and all I have learned, but I wanted to give high praise to the people who stood out to me the most, including Chen Chen, who said he is hopefully going to have a new mix design ready sometime in the next year. Grant Julian was very informative, as was Jason Moore and Nathan Moore. Our time with Jason Nelson at the test track and finding out the history and the cost of what all goes into that was mind boggling. Adriana Vargas was so helpful, and I enjoyed her showing us the road with the history it has of all the different materials on it.

In general Tom, the time and knowledge that I gained from going to NCAT is more valuable than I could have ever imagined, and I know that I will be better at my job today then I was before, so THANK YOU SOOO MUCH.

Sincerely,

Tony Pennell Jr.

Engineering Inspector

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CAPA/APWA Asphalt Technology Scholarship Award Recipients 2001-2024 (149)

2001	Kevin Louis, Cherry Hills Village	Curt Logsdon, Teller County	Todd Juergens, Larimer County	Carl Armijo, Town of Castle Rock	Lynne Center, City of Aurora	Don Newton, City of Grand Junction	
2002	Joe LaHeist, Arapahoe County	Helen Michelbrink, Eagle County	Mike McAndrews, City of Lakewood	Rich Richter, City of Fort Collins	Pat Hill, City of Greeley	Ray Porter, City of Westminster	
2003	George Sugars, El Paso County	John Johnson, City of Aurora	Terry Benton, City of Brighton	Karl Lucero, Douglas County	Tom Knostman, City of Loveland	Scott Lewis, City of Golden	
2004	Ron Elrod, City of Westminster	Ron Martinez, Town of Parker	Ralph Kinder, City of Cripple Creek	Bill Taylor, Mesa County			
2005	Frank Marbury, City of Littleton	Vince Auriemma, City of Golden	Justin Vensel, City of Grand Junction	Chris Jacobsen, City of Lakewood	Saleem Khattak, City of Colorado Springs		
2006	Lisa Klotz, Kleinfelder, Inc	Aaron Monks, Town of Castle Rock	Jonathan Hesse, Arapahoe County	Tim Olson, Canon City	Tim Holmes, Everest Materials	Jason Hessling, LaFarge Northern	
2007	Ralph Mason, Cherry Hills Village	John Cheever, Aggregate Industries	Jarrett Welch, Brannan Sand and Gravel	Doug Wingo, LaFarge Southern	Les Weilacher, City and County of Broomfield	Ryan Zoetaway, A.G. Wassenaar	
2007	Alan Trzyna, Rocky Mountain Materials and Asphalt	Richard Ragoza, Terracon	Cindy Rutkoski, Carter and Burgess	Tom Pieters, City of Aurora			
2008	Mike Skinner, CTL/Thompson, Inc	Lew Fox, City of Pueblo	Jerry Whaley, Kiewit Western	Ethan Wiechert, Earth Engineering Consultants	Paul Wiggs, El Paso County	Rob Leverington, Leverington and Associates	Peter Rosato, City of Boulder
2009	Mike Fairbairn, PPI	Matt Best, CTL/Thompson	Claude Auch, City of Greeley	Matt Condon, City of Thornton	John Cessar, WesTest	Steve Bodette, City of CO Spgs	

2010	Carey Jones Kumar and Associates	Devin Laubhan Lafarge	Erika Keeton, City of Fort Collins	Matt Johnson, Larimer County	John Juranek, Douglas County	Heather Thom, Koechlein Consulting Engineers	
2011	Jennifer Shi, Adams County	Tim Luscombe, Ground Engineering	Gerald Brandt, E-470 Highway Authority	Joe Puhr City of Golden	Jay Goldie Cherry Hills Village	Rod Rindal City of Boulder	
2012	Donna Schaal, Schmidt Construction	Mike Connor, City of Centennial	Pete Brazell, City of Thornton	Michelle "Shelly" Aschenbrenner, City of Loveland	Britney Guggisberg, Lafarge West	Craig Barger, Rocky Mountain Materials and Asphalt	
2012	Mickey Bryan, United Companies of Mesa County	Brian Sack, Hard Rock Paving	Travas Brenner, Everist Materials	Neomia Roach, Brannan Companies	Bill Whitaker, Kiewit Infrastructure	Conner Roberts, Schmidt Construction	David Fife, Elam Construction
2013	Sean Lehocky, City of Commerce City	Patti Sinclair, Schmidt Construction	Kurt Muehlemyer City of Westminster	Jim Katzer, Arapahoe County Road and Bridge	Jeff Cuypers, Cesare Inc.	Kevin Smith, Town of Castle Rock	Hans Jorgensen, City and County of Broomfield
2014	Gary Carroll City of Aurora	Michael Terry, City of Centennial	James Landry, Town of Parker	Darren Moritz, City of Fort Collins	Scott Wenger, City of Thornton	Randy Peterson, Martin Marietta Materials	Greg Potts, CTL\Thompson
2015	Peter Hargadine Aggregate Industries WCR	Kyle Beck City of Lakewood	Jeffrey Dewey Ground Engineering	Josh English Cherry Hills Village	David Heinrich Town of Superior	Alden Jenkins City of Longmont	
2016	City of Westminster Mr. Brock Hufford	El Paso County Mr Daniel Swinger	Alliance Testing Mr. Kevin Foster	City of Greenwood Village Mr. Ted Putnam	Boulder County Mr. Dan Delange, PE	City of Delta Ms. Ellen Michelson, EIT	City of Montrose Mr. Ryan Cushenan, EIT

2017	City of Boulder Ben Reiter	Town of Castle Rock Frank Castillo	City of Commerce City James Carstens	Larimer County Rick Johnson	Rocksol Consulting Group Kaleb Tesfamariam	WesTest Breanna Stout		Yeh and Associates Mustapha Aichiouene	
2018	Jacob Silverman Earth Engineering Consultants	Tom Gill Town of Parker	Beau Radovich Cesare, Inc.	Nicholas Stoker City of Cortez	Justin Cupich Kumar and Associates	Randy Walrath City of Greeley	Todd Rullo City of Thornton	Dan DiCenso AECOM	
2019	Darrell Morrell, Larimer County	James Beall, Arapahoe County	James Smith, City of Boulder	Elizabeth Nijkamp, El Paso County	William Welborn, City of Fort Collins	Troy Sanchez, City of Westminster	Matthew Matuszowski, City of Littleton	Cody Tusing, City of Gunnison	Michael Nevarez, Kiewit Infrastructure
2020	Andrea Holtorf, Brannan Sand and Gravel	Jeremy Clayton, City of Cherry Hills Village	George Schenfeld, City of Commerce City	Jeff Hill, City of Federal Heights	Richard Nickson, City of Thornton				
2022	Brian Knight Jefferson County Road and Bridge	Tammy Buck Yeh and Associates	James Brose Alfred Benesch & Company	Nick Zilm AG Wassenaar, Inc	Samuel Webb City of Colorado Springs	Tim Paradis City of Boulder	Chase Kozoh City of Lakewood	Antonio Muniz City of Littleton	
2023	Rhonda Hood, City of Littleton	James Smith, City of Greeley	Will Truesdale, Jefferson County Road and Bridge	Victoria Arnot, City of Federal Heights	Nicholas Johnson., City of Aurora	Robert Paige., City of Denver	Matt Nichols, Mesa County		
2024	Zachary Nover- City of Aurora	Jason Sanchez- Commerce City	Travis Cole Mesa County	Tony Pennell, Jr. Jefferson County					