



Alabama Transportation Assistance Program  
presents a workshop

## Simplified Balanced Mix Design (BMD)

Presented by  
Travis Walbeck and Carolina Rodezno

**Wednesday  
October 25, 2023**

Prior to the adoption of the Superpave mix design methodology, Marshall stability and flow testing was a simple index test that was widely used to quickly assess asphalt mix quality during both design and construction. In the decades since Superpave implementation, asphalt mixes have been designed using only volumetric methods; however, ideal volumetric proportioning is not necessarily indicative of mix quality. Research on the NCAT Pavement Test Track has validated the use of relatively simple balanced mix design (BMD) index tests that can be successfully used to screen mixes for cracking and rutting performance. Using these tests provides agencies and owners with confidence in asphalt mix quality; at the same time facilitating innovation by mix producers that optimizes both sustainability and cost. A simplified BMD specification was developed for Alabama county purchase order mix that can easily be implemented for small agency work and on commercial projects where good performance is essential. This workshop was developed to equip attendees to utilize the simplified BMD specification. The target audience is county engineers, city engineers, consultants, contractors, and developers who wish to improve asphalt pavement quality and incentivize innovation.

Please register at [www.eng.auburn.edu/atap](http://www.eng.auburn.edu/atap). **CLASS SIZE IS LIMITED TO 40 PARTICIPANTS. The cost of the workshop is \$175.00.** Registrants are reminded that registration is not complete until payment is made. The registration fee includes handout materials, break refreshments, lunch, and a certificate of participation. Participants completing this workshop will receive .60 Continuing Education Units (CEUs), 6.0 Professional Development Hours (PDHs). Thank you for your continued support of the Alabama Transportation Assistance Program.

### ***Cancellation Policy***

We understand that circumstances may arise that could require you to cancel your registration and we make every effort to accommodate your needs. Due to commitments to our instructors and facilities, the registration fee is not refundable if a registrant withdraws less than five working days before the workshop. You may substitute registrants; please notify us in advance if possible. Non-paid, no-show registrants will be invoiced for the full cost of the workshop. ATAP reserves the right to cancel or modify any program offering, but will provide registrants the option of a full refund. Auburn University will not be responsible for expenses incurred by a registrant as the result of a cancelled or rescheduled workshop.

## ***Workshop Instructors***

### **Travis Walbeck**

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Travis B. Walbeck is a licensed engineer with over 23 years of experience in both private and agency rolls. He is currently the Training Manager at the National Center for Asphalt Technology (NCAT) at Auburn University. Travis' experience includes serving at the West Virginia Division of Highways State as Pavement Engineer overseeing the paving and pavement preservation programs, managing pavement specifications, and pavement testing. He served on several regional and national committees related to pavement and, one of which was serving as the President of the Southeast States Pavement Engineers Association. He currently sits on the Transportation Research Board Committee for Pavement Evaluation.

### **Carolina Rodezno, Ph.D.**

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Dr. Carolina Rodezno (NCAT) is an Associate Research Professor at NCAT. She joined NCAT in 2011. Dr. Rodezno has more than 16 years of experience in asphalt technology. Her research expertise includes sustainable pavement materials, performance based asphalt mix design, field performance evaluation of pavements, and asphalt materials testing procedures for NCHRP, FHWA, NAPA, and state DOTs. She teaches at Auburn University and assists NCAT as an instructor for different asphalt technology related courses.

## ***Workshop Topics***

- Benefits, Basics, and Options for BMD
- Proposed Simple BMD Specification
- Laboratory Test Procedures/Calculations
- Practical Implementation Exercises

## ***Location and Time***

**NCAT  
277 Technology Parkway  
Auburn, AL 36830**

8:30am – 9:00am	Registration Opens
9:00am – 12:00pm	Workshop
12:00pm – 1:00pm	Lunch
1:00pm – 4:00pm	Workshop