

BALANCED MIX DESIGN (BMD): INSIGHTS FOR SUCCESS

A webinar series to discuss some of the key case studies and focused research learned for the efforts to advance balanced mix design (BMD) nationally in recent years. The topics focus on critical sub-tasks from the tasks for BMD implementation to address some of the areas cited as challenges in recent peer exchanges.

Webinars will be held from 1:00 pm to 2:30 pm Eastern Time.

IMPLEMENTATION PLAN

February 4, 2025

Speakers: Tim Aschenbrener, Derek Nener-Plante

This webinar will discuss the importance of and how to create an effective implementation plan for BMD. Topics will cover essential actions, from gaining internal and external support to mapping tasks and timelines, with insights from lead states and actionable examples for positive practices.

Register Here:

<https://unr.zoom.us/meeting/register/Re6iWwl1SVC8lwizluscSg>

VALIDATION FOR BMD: WHY IT'S IMPORTANT AND HOW TO DO IT

March 4, 2025

Speakers: Tim Aschenbrener, Derek Nener-Plante

This webinar will discuss the importance of validation to the responsible implementation of BMD. Validation to key to establishing proper criteria. The reasons for conducting validation will be presented as well as examples of approaches used successfully by agencies.

Register Here:

https://unr.zoom.us/meeting/register/UczvE6GNSbq_FGXEAYsIGg

BMD SPECIMEN FABRICATION

April 7, 2025

Speakers: Derek Nener-Plante, Tim Aschenbrener, Elie Hajj

This webinar will discuss key items learned across the country on the topic of specimen fabrication for BMD. Specimen fabrication is an important consideration for laboratories conducting BMD testing to reduce variability. Topics shall include considerations for lab operations to reduce variability and the latest on efforts to quantify effects of lag and dell time on BMD results.

Register Here:

<https://unr.zoom.us/meeting/register/Mln2wSU-TC-C81hLm0HFA>

BMD TESTING CONDITIONS: AGING AND TEST TEMPERATURES

May 6, 2025

Speakers: Derek Nener-Plante, Tim Aschenbrener, Elie Hajj

This webinar will discuss two important considerations for BMD testing: mixture aging and testing temperature. Both aging and testing temperature are parameters that can be changed by agencies to make BMD tests more reflective of their environment and materials. Topics shall include the need for aging for cracking evaluation, the different aging methods, and the impact of test temperature on rutting evaluations.

Register Here:

https://unr.zoom.us/meeting/register/p_9t4b4-SU6JZ8EvLisl6A

BMD IN QUALITY ASSURANCE: IMPORTANT CONSIDERATIONS

June 3, 2025

Speakers: Derek Nener-Plante, Tim Aschenbrener

This webinar will discuss important considerations for incorporating BMD tests into production and quality assurance. Many agencies are starting with implementing BMD into mix design specifications but are also considering the use of BMD in quality assurance. The important challenges and considerations that should be incorporated into plans for using BMD in quality assurance will be presented.

Register Here:

<https://unr.zoom.us/meeting/register/MfBuV7mATRCma6Qhs6KXmw>

For more information or technical assistance, please contact:
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View cooperative agreement materials:

<https://www.fhwa.dot.gov/pavement/asphalt/coopmaterials/>

