



ASPHALT | INNOVATE | ENLIGHTEN | IMPLEMENT

AIEI NEWSLETTER | APRIL 2024

QUARTER ONE



The “Development and Deployment of Innovative Asphalt Pavement Technologies” program, commonly referred to as the AIEI Program, is a five-year cooperative agreement with FHWA (9/23–9/28). The purpose of this program is to address the ongoing challenges faced by the transportation community to adopt new technologies and reduce the time to implement them in business practices, specifications, and construction methods relating design, production, testing, control, construction, and investigation of asphalt pavements. This project also supports the overall goals of advancing 21st-century solutions and improving performance and safety to keep America moving forward.

The goals of the program under 23 U.S.C. 503(c)(3)(B) are:

- (i) the deployment of new, cost-effective designs, materials, recycled materials, and practices to extend pavement life and performance and to improve user satisfaction;

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L.

A.1.1 Technical Assistance to Stakeholders in Understanding the Characterization of Innovative Binders for Use in Flexible Pavements

Objective: ztopponltzyz p
lrytp l yo zo np: w p z lto
ty sp yop l ya yr q sz z z pw
nsl lnpt p sp s tn lw z ptp q
tyyz lt pnyop t sy sp R slw
Binder Specification

A" ' " %se of High Polymer Modified Asphalt (HiMA) Binders and Mixtures Gap Analysis

Objective: opyt l yo qz s l ptp
qz t xwp xpyl mp lntzy wp zy wpl ypo
mO l yow x l tzyqz p qSt

B.1.1 High RAP Mixtures Workshop Including Reclaimed Binder Availability (RBA)

Objective: O p pz l l p q spl
lntnp p z zysz l p sl yowp
M qz x optry l yonzyo n l
pp p nsl yr p z v sz qz l p
sl sl pt xwp xpy po z l pt ypp po
t yt xwp xpyt yr po npo M zt x z p
n lnt yr pt l ynp q srs x p

E3. EMB-3.1 Pavement Recycling Technologies (APRT) Implementation Workshop

Objective: O p pz l l p q sp

UPCOMING PRESENTATIONS BY TEAM MEMBERS

Elie Hajj

2024 NRRA Conference
April 30 | Shoreview, MN

Implementation, FHWA efforts, Nevada experience

www.dot.state.mn.us/mnroad/nrra/pavement-workshop/archive/2024.html

Jhony Habbouche

Nevada Transportation Conference (NTC)
May 7 | Las Vegas, NV

Modified (HP) Asphalt Concrete Overlays

www.nevadatransportationconference.com

Derek Nener-Plante, Tim Aschenbrener, & Elie Hajj

Balanced Mix Design Workshop
May 22-23 | Tumwater, WA

*MONIPABZVSEZTYSZLOTS
XWPXPYLTZY*

Mike Anderson

Asphalt Pavement & Materials TFG Meeting
June 13 | Raleigh, NC

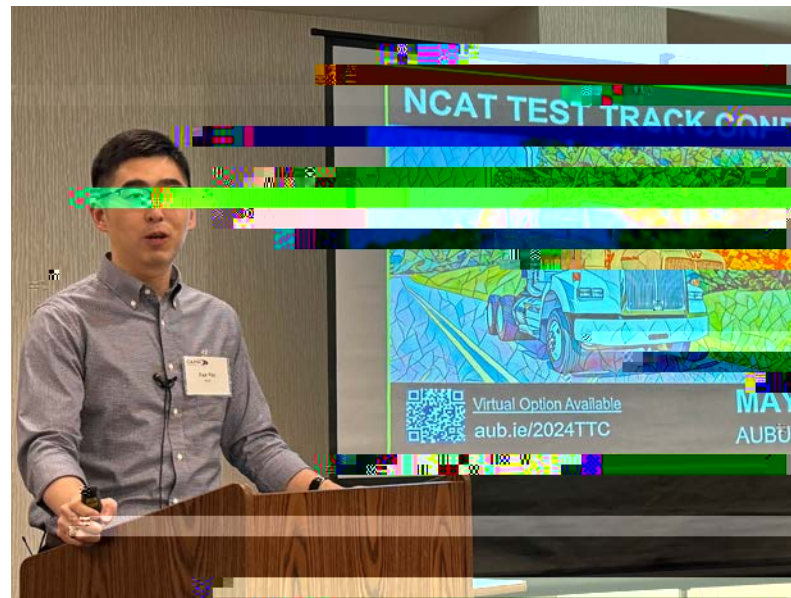
Specifications

Elie Hajj

2024 Nevada Asphalt Conference
October 30 | Las Vegas, NV

CONCRETE

www.nvltap.com/2024-nevada-asphalt-conference



FAN YIN, PH.D.

For other cooperative agreements materials, information or technical assistance, please visit:

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

<https://www.unr.edu/wrsc/tools/asphalt>

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