

# Sustainable Asphalt Performance that Lowers Environmental Impact

23rd Annual Conference

**FEBRUARY 1-3, 2022**  
HOUSTON, TEXAS



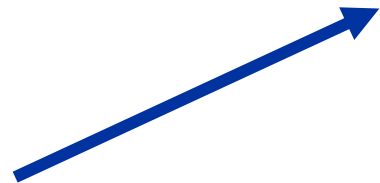
## TASK FORCE ON ASPHALT STANDARDS HARMONIZATION

BOB KLUTTZ, KRATON POLYMERS

# Purpose

Examine differences between AASHTO and ASTM versions of asphalt-related standards

Develop consistent requirements that meet the collective needs of the industry



Asphalt Producers

Testing Laboratories

Specifiers

Owners



# Harmonization Creates...



More Effective Commerce



Streamlined Asphalt Product Production



Consistency in Testing Protocols



More Uniform Asphalt Products



# Structure - Established January 2019

## AASHTO COMP Membership (3 to 6 people)

<b>Mike Doran (CO-CHAIR)</b>	Tennessee Department of Transportation
<b>Nathan Morian</b>	Nevada Department of Transportation
<b>Jeff De Vries</b>	Iowa Department of Transportation
<b>Jacob Walker</b>	Georgia Department of Transportation
<b>Chris Euler</b>	New York Department of Transportation
<b>Matt Romero</b>	Oklahoma Department of Transportation

## ASTM Membership (3 to 6 people)

<b>Scott Veglahn (CO-CHAIR)</b>	Mathy Construction Company
<b>Amir Golalipour</b>	FHWA / Chair of ASTM D04.44
<b>Bob Kluttz</b>	Kraton Polymers / Chair of ASTM D04.40
<b>Kelly Cook</b>	Edward C. Levy Co.
<b>Payman Pirzadeh</b>	Imperial Oil
<b>Maryanne Sitzmann</b>	Flint Hills Resources

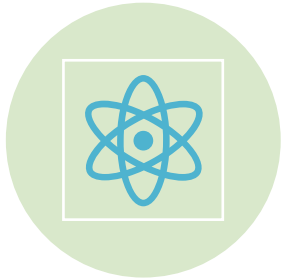


# Structure - Continued

- Members vote on harmonization polls and decide what to send on to AASHTO and ASTM as recommended changes to standards
- **Anybody can be a Friend of TFASH** to join the mailing list, attend meeting, work on Task Groups, and provide input. We have 28 friends and growing!
- Anybody that is interested in becoming a friend of TFASH can email one of the TFASH Co-Secretaries to Join the Mailing List:
  - Joe Williams, [jwilliams@ashtoresource.org](mailto:jwilliams@ashtoresource.org)
  - Maria Knake, [mknake@ashtoresource.org](mailto:mknake@ashtoresource.org)



# TFASH Charter- Highlighted Goals



Use **scientifically sound** testing and sampling methodologies;



Provide for the **optimization** of available natural resources and manufacturing technology and can accommodate various local and regional requirements;



Promote **fairness, equity, and practicality** in asphalt test methods, practices, and specifications;



Provide a formal means for **exchange of current information** (e.g., new standards, revisions, task group activities, etc.) for corresponding subcommittees of each organization.



# Consensus Process

- To ensure that the interests of both AASHTO and ASTM membership are met, input from AASHTO and ASTM members will be equally considered. A suggestion for revision to a standard will not be submitted to the relevant AASHTO and ASTM subcommittees until 100% consensus can be reached.
- Administrative negatives put on AASHTO and ASTM harmonization ballots to ensure negatives or comments received from either group during balloting are addressed before publication.



# TFASH Recent Activities

- **AASHTO T 228 / ASTM D70 – Specific Gravity of Asphalt Binder**
- D70 Revised to address T228 differences. T228 currently in ballot to refer to current version of D70.
- Upcoming work will be to address thermometer issues based on NCHRP 20-07 Task 427 (Developing a Recommended AASHTO Standard Practice for Selection of Temperature-Measuring Devices)





# TFASH Recent Activities

- **AASHTO M 320 / ASTM D6373 – Specification for Performance-Graded Asphalt Binder**
- **&**
- **AASHTO M 332 / ASTM D8239 – Specification for Performance-Graded Asphalt Binder Using Multiple Stress Creep Recovery (MSCR)**
- Initial harmonization work is complete and published!
- Work continues on PAV conditioning temperatures.



# TFASH Recent Activities

- **AASHTO T 59 / ASTM D6997 – Emulsion Distillation**
- TFASH poll is open currently. When approved, recommended revisions will be sent to AASHTO and ASTM for consideration.



# TFASH Recent Activities

- **AASHTO T 313 / ASTM D6648 – Bending Beam Rheometer**
- Draft revisions made to ASTM version of standard, being transferred to AASHTO version for TFASH consideration.



# TFASH Recent Activities

- AASHTO T 315 / ASTM D7175 – Dynamic Shear Rheometer
- TFASH Subgroup is active and meeting regularly to make revisions for TFASH consideration.



# TFASH Recent Activities

- **AASHTO T 312 / ASTM D6925 – Gyrotory Shear Compactor**
- First TFASH poll completed after an initial round of revisions. TFASH Subgroup is addressing TFASH comments received and will complete another round of polling soon.



# TFASH Recent Activities

- **AASHTO T 50 / ASTM D139 – Float Test for Bituminous Materials**
- **New subgroup just formed!**



# We Need Your Help!

- Suggest future harmonization activities by reaching out to a TFASH Co-Chair:
  - Mike Doran - [Michael.Doran@tn.gov](mailto:Michael.Doran@tn.gov)
  - Scott Veglahn - [Scott.Veglahn@mteservices.com](mailto:Scott.Veglahn@mteservices.com)
- Become a friend of TFASH by reaching out to:
  - Maria Knake - [mknake@ashtoresource.org](mailto:mknake@ashtoresource.org)
  - Joe Williams - [jwilliams@ashtoresource.org](mailto:jwilliams@ashtoresource.org)

Presented at SEAUPG 2021 Annual Meeting – three new friends acquired!





# Questions and Discussion

