

# New methods for assessing rheology data such as $\Delta T_c$ and G-R Parameter and their relationship to performance of REOB in asphalt binders and other materials

Geoffrey M. Rowe (Abatech)

Louay Mohammad (LSU)

Bill Ahearn (VT Agency of Transp.)

Mark Buncher (AI)

Gerald Reinke (MTE Services)

Walaa Mogawer (UMass)

Nelson Gibson (FHWA)

Tom Bennert (Rutgers)

Jean-Pascal Planche (WRI)

Imad Al-Qadi (U of IL)

Pamela Marks (Ontario MOT)

Laci Tiarks-Martin (PRI)

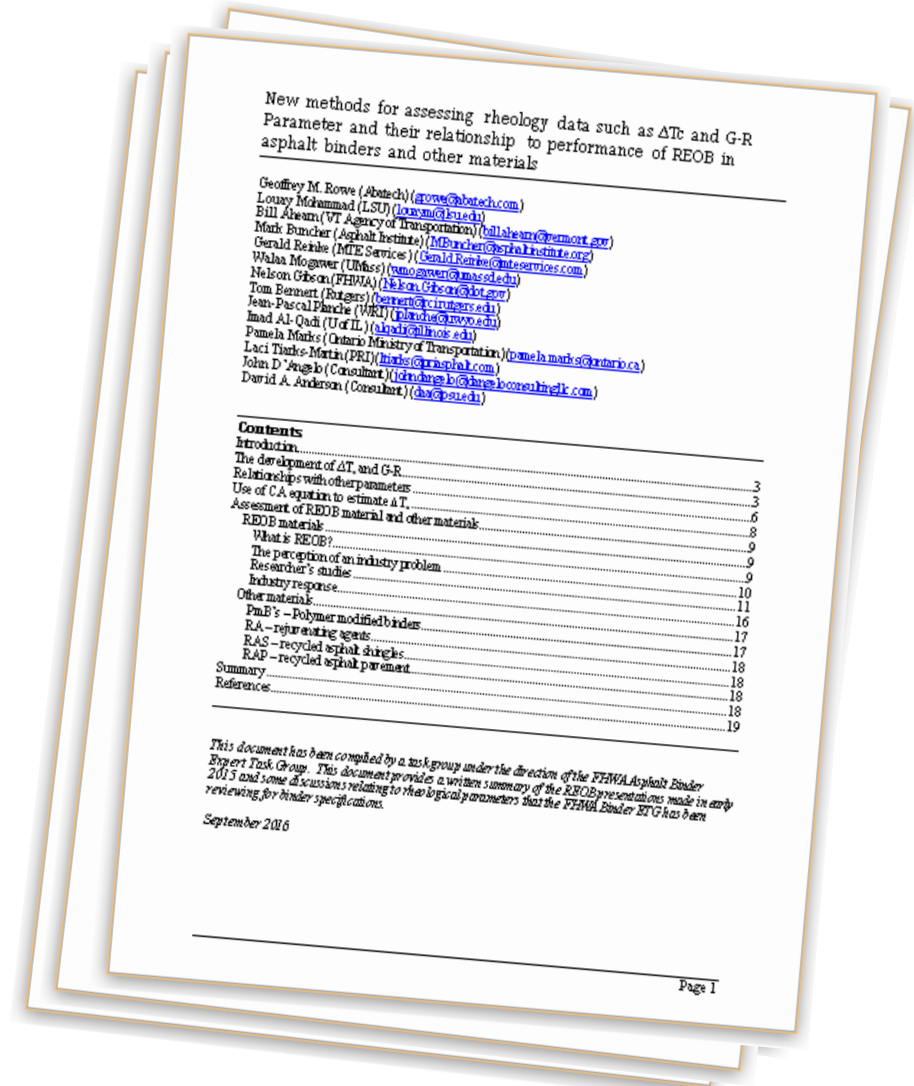
John D'Angelo (Consultant)

David A. Anderson (Consultant)

Binder Asphalt Binder Expert Task Group Meeting  
September 13<sup>th</sup> 2016

# Need from last meeting

- ▶ Summarize information from  $\Delta T_c$  discussions, background of information and related parameters
- ▶ Format into a development into a document including the REOB discussions and draft presented at last ETG



# Status of document

- ▶ 19 page document circulated
- ▶ Comments to be collected by end of September from group
- ▶ Finalize early October

## Introduction

The development of  $\Delta T_c$  and G-R  
Relationships with other parameters  
Use of CA equation to estimate  $\Delta T_c$   
Assessment of REOB material and other materials

## REOB materials

What is REOB?

The perception of an industry problem

Researcher's studies

Industry response

## Other materials

PmB's - Polymer modified binders

RA - rejuvenating agents

RAS - recycled asphalt shingles

RAP - recycled asphalt pavement

## Summary

## References