Agency, Industry, and University **Partnerships: Workforce Development and Implementable Solutions**

Southeastern Asphalt User/Producer Group (SEAUPG) 2017 Annual Meeting and Exhibits

November 14-16, 2017, Jacksonville, FL



Materials and Construction Industries Chair Civil and Environmental Engineering Dept.

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Jacksonville, Florida

Acknowledgements

- Agency: Mississippi DOT, US Army Corps of Engineers, TxDOT, NSF
- Industry: 40 Contributing Entities of the Construction Materials Research Center (CMRC)
- University: Students, Faculty, Staff, Administration

Session Layout (90 minutes)

- Session Overview & Mississippi, Texas Perspectives - 40 min
- Panel Member Perspectives 20 min
- Panel Members Take Questions from Audience 30 min
- Panel Members
 - Agency Griffin Sullivan (MDOT)
 - Agency Robert Lee (TXDOT)
 - Industry Harold Mullen (TXAPA)
 - Industry Braden Smith (Hunt Refining)
 - University Amit Bhasin (UT Austin)
 - University Isaac L. Howard (MSU)

How Does MS develop workforce and implement useful items into practice?

- 1. Pursue active participation of the entire infrastructure community through CMRC by having something for everyone, but with the understanding that everything is not for everyone
 - CMRC's current involvement by category: undergraduate students, graduate students, university administrators, faculty/staff, contractors, consultants, material suppliers, agencies, transportation commissioners, trade organizations, associations, foundations, equipment manufacturers

How Does MS develop workforce and implement useful items into practice?

- 2. Avoid totally self serving ideas such as exampled below
 - I don't benefit from that article, so I won't help
 - I don't benefit from those students learning so I am not going to help with that class
 - I don't get promoted because of doing outreach so I am not speaking at your event

How Does MS develop workforce and implement useful items into practice?

- 3. Focus on the main statement in our charter CMRC aims to be an industry, agency, and university partnership and a sound program at all levels that couples discovery and education
 - Partnerships communicate our main vehicles are an email list, meetings twice per year, and a Board of Advisors





How Does MS develop workforce and implement useful items into practice?

4. Focus on Developing Skills of Graduates

Our main goal is to produce engineering graduates that are balanced and well grounded in fundamental principles because that in turn leads to the list below when students are taught by way of producing this list

- Implementable products from research or outreach/service
- Publications
- Presentations, demonstrations....at conferences/meetings
- Recognition
- Financial support
- Interest in the program (future students, industry, agencies...)



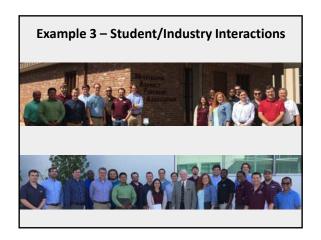




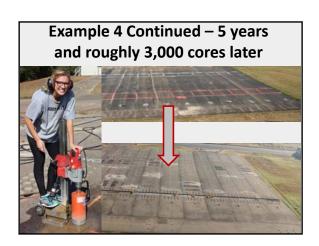


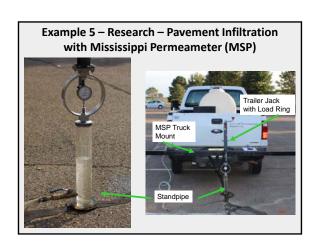








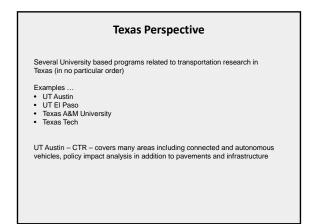


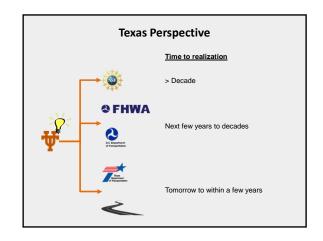


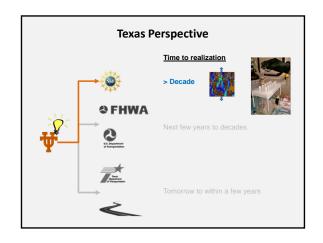


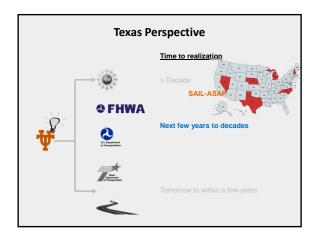


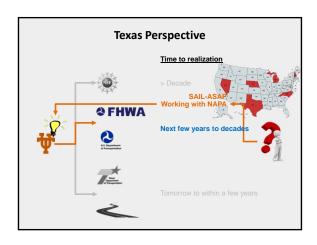


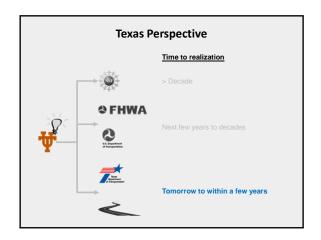


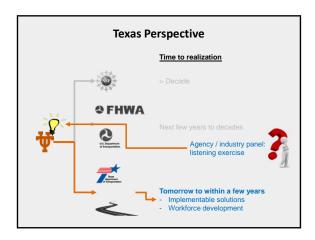


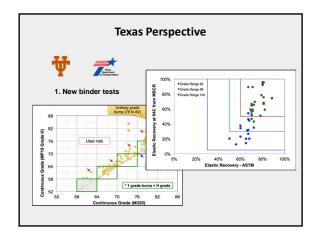




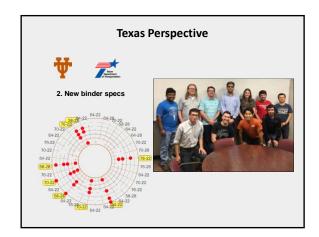




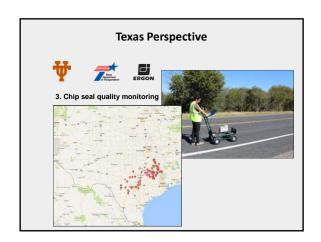


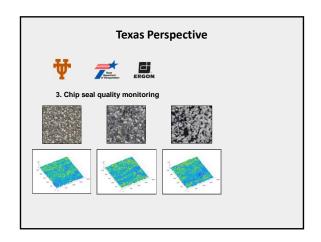


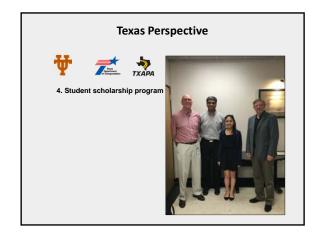


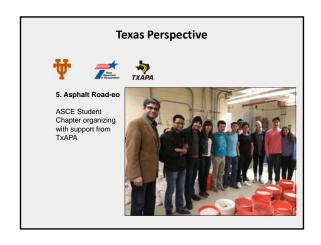












Recommendation

- There are 14 SEAUPG states
- Recommend 2 to 3 different states hold a session each year to talk about how they are partnering, developing their workforce, and working toward implementable solutions. A state would be back up every 5 or 6 years.

