

TREAT Mobile Lab

Teaching and Researching Emulsified Asphalt and Treatments



Date: June 2-4, 2026

Location: Edmond, OK

Treatment sections: 3 slurry seal, 3 chip seal

Soap solution manufactured: CRS-2

On June 1, 2026, Andrew Braham, Tanner Turben (PhD student), Rasool Fazeli (MS student), TJ Bishi (MS student), Naomi Gonzales (undergraduate research assistant), and Hudson Filonowich (Scientific Research Technologist), traveled to Edmond, Oklahoma, to visit the Oklahoma Department of Transportation (ODOT) for three sets of TREAT Day of Training (DoT). This trip was sponsored by AIEI and the Southern Plains Transportation Center (SPTC). Approximately 17 professionals attended a full DoT with an administrator focus, while approximately 14 professionals attended a full DoT with an engineering focus. Approximately 8 professionals attended the two hour introduction training. The professionals included academics, state and local agency representatives, material suppliers, and consultants. Figure 1 shows multiple views of the training.

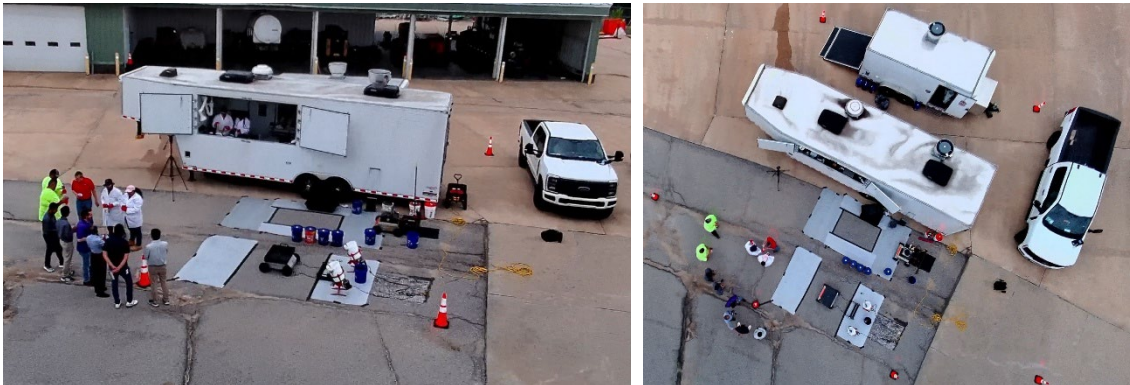


Figure 1 – Views of the training from drone footage

In Edmond, we were very fortunate to have ODOT's media team on hand, and they put together an excellent summary of the training, which can be found on YouTube at the following link: (<https://www.youtube.com/watch?v=iybdKRUhrel>). Note that we have removed the emulsion manufacturing demo. The team also began collecting additional data about the before and after level of knowledge of participants. For example, Table 1 on the next page summarizes the data collected from the engineering training. In addition, Table 2 summarizes the participants feedback on the quality of materials, resources, the technical presentation, and the instructors. This data allowed for a more targeted reflection of how to improve the DoT moving forward.

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Table 1 – before and after level of knowledge from the engineering training, on a 1-10 scale, with 1 = no knowledge and 10 = full knowledge (n=11)

Category	Before	After	Difference
Asphalt emulsion 101/manufacturing/treatments	3.8	7.1	3.3
Emulsion specifications/quality control/inspection	3.3	6.8	3.5
Chip seals	3.9	6.8	2.9
Slurry seals	3.7	6.8	3.1

Table 2 –level of quality from both the administrative and engineering training, on a 1-10 scale, with 1 = poor quality and 10 = excellent quality (n=18)

Category	Level of Quality
Material and resources provided	9.2
Technical presentation	9.6
Instructor	9.9

Figure 2 shows pictures of the training. Thank you to AIEI and SPTC for providing funding, and to ODOT for hosting three great days in Edmond!



Figure 2 – the six placed sections (upper left), the team in front of their favorite sections (upper right), participants taking notes (lower left) and participants following the discussion (lower right)