

## Asphalt Real-Time Smoothness (ARTS) for Asphalt Paving

*TAP Meeting  
Friday, 1 October 2021  
11:00 AM to 12:04 PM CDT*

### ATTENDEES

- MnDOT Technical Liaison  
John Siekmeier
- Technical Advisory Panel (TAP)  
Ben Worel, MnDOT  
Chelsea Bennett, MnDOT  
Rebecca Embacher, MnDOT  
John Garrity, MnDOT  
Greg Johnson, MnDOT  
Evan Monroe, Topcon (not present)  
Laikram Narsingh, Wirtgen America/Vogele  
Jim Preston, Topcon (not present)  
David Shelstad, MOBA  
Paul Angerhofer (not present)
- Project Team  
George Chang, Transtec - PI  
Dave Merritt, Transtec  
Amanda Gilliland, Transtec (not present)  
Mark Leichty, Ames  
Ryan, Ames  
Todd Mansell, CAT (not present)  
Ervin Dukatz, Flyereld  
Matt Oman, Mathy Construction

(All Action Items are Underlined)

### MINUTES

1. Welcome and Introduction
  - John introduced all attendees.
2. Project Overview
  - George refreshed the participants on the project objectives, team structure, contract schedule/deliverables
3. Tasks

The meeting focused on the Task 3 ARTS sensors and Task 4 Pilot Project No.1.  
See the attached presentation file for further details.

  - Task 3 – ARTS Sensors for Asphalt Paving  
Mark briefed on the ARTS sensor design, installation, operation, and data processing.

- Task 4 – Field Testing and Validation  
Mark/Dave/Matt/Erv/George have presented the first pilot study in Decorah, IA, from August 25 to 26, 2021, regarding:
    - Project info
    - ARTS mounting/install/operation
    - Paving condition and operation
    - ARTS and HSIP data analysis
    - Summary of observations and prelim conclusions from the field data analysis
    - Recommendation for future work.
    - David S. pointed out that tow-point movement measurement is out of scope. John S. decided to table it for later discussion.
    - Erv provided further off-line comments that will be included in the Pilot project No.1 Tech Memo.
  - Hot tasks for the next 60-day
    - Task 3: Improve ARTS sensors
    - Task 4: Pilot project no.1 Tech Memo; Select project no. 2 in 2022
4. Closing/Next Meeting
- Transtec will poll for the next meeting as instructed by John S.