Commercial Unmanned Aerial Systems for Transportation Decision Support

Jarlath O’Neil-Dunne

Adam Zylka, Sean MacFaden, Zack Borst, Jim Sullivan, Austin Troy, Noah Ahles, and Amanda Hannaway-Corrente

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Commercial UAS

- Lightweight & Deployable
- Ease of use
- Integrated workflows
- GIS ready
**Volume Comparison**

- **Stockpile**
  - Terrestrial LiDAR: 2595 m³
  - UAV: 2692 m³

- **Manure Pit**
  - Terrestrial LiDAR: -2082 m³
  - UAV: -2058 m³
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