Connected vehicle data can be used at both the statewide and work zone level. Connected vehicle data can be used to identify critical points:

- Bottleneck locations (recurring or work zone)
- Localized incidents (crashes)
- Regional incidents (weather events and holidays)

LiDAR and localized incidents can be used to identify work zone impacts over time. Purdue/INDOT Team

Key Takeaways:

- Connected vehicle data can be used at both the statewide and work zone level.
- Connected vehicle data can be used to identify critical points:
  - Bottleneck locations (recurring or work zone)
  - Localized incidents (crashes)
  - Regional incidents (weather events and holidays)
- LiDAR-based data collection of geometric features:
  - Can help diagnose critical points.
  - Is reproducible (two separate data sets 6 months apart yielded the same results at the same locations).
  - Can leverage INDOT construction inspector's time.

Frequency of Deltaspeeds ≥ 15 MPH by Date and Location:

Mile-Hours of Congestion: Statewide Interstates

Mile-Hours of Congestion: I-70

Mile-Hours of Congestion: Crawfordsville Interstates

Mile-Hours of Congestion: I-70 Work Zone (MM 6.8-12)