Based on the work related to using the Work Zone Data Exchange (WZDx) in Iowa, it was identified that accuracy of work zone locations and times needed to be improved to meet the accuracy and reliability requirements for connected automated transportation as well as improving the overall work zone data within the Iowa DOT. InTrans serves an overarching role to support Iowa DOT in terms of organizing work zone technologies, deployment, and implementation. A process is being established to develop a trial Work Zone Data Feed by integrating work zone context data with devices deployed in the field including smart arrow boards, connected pins and AVL data. The integration of the field data with context data collected by the DOT will better meet the needs of the WZDx as well as improve the overall data quality of work zones within the DOT that can be used to improve safety, mobility and performance monitoring.

In addition, the Dan Sprengler will provide an update on the status of Smart Arrow Boards in Iowa which will require smart arrow boards on all interstate project in 2021 and all state roadways in 2020.

Keywords: Work Zones, Smart Arrow Boards, Data Integration