



**School Pupil Transportation Utah State Information
Management System Capability Development**

**Rough Order of Magnitude (ROM)
February 8, 2019**



Summary

Rough Order of Magnitude (ROM) to support the incorporation of an LEA transportation data collection capability in to the Utah State Information Management System (USIMS). The capability will address some of the findings outlined in the audit, “A Performance Audit of School Busing, 2008”, to improve consistency of data reported by LEAs. Addition of the capability will ensure LEAs are recording and reporting statistical and financial data in a consistent and accurate manner before submitting for funding. Capability addition will also provide data collections to ensure bus and driver statistical information is accurate and complete.

Proposed General Requirements

- **Incorporate a School Pupil Transportation capability in to USIMS that includes:**
 - The capability to enforce standards for LEA reporting of school transportation information
 - The capability to record and report LEA transportation information to include miles and minutes for bus routes
 - A data validation capability for data entry
 - Validations performed must analyze data for erroneous entries, identify and prevent data submission anomalies, and identify missing required data
 - The ability for the LEAs to capture and store background check, and Motor Vehicle Information on bus drivers
 - The ability to attach documents/artifacts to all relevant records
 - Development of user roles and role base capabilities for the transportation capability
 - The capability to allow role-based users ability to mark or flag discrepancies, notify the effected parties of the discrepancies, and to permit effected parties to correct the discrepancies
 - Systematic identification of operational deficiencies
 - Automatic system notification capabilities
 - The capability to gather fleet data regarding buses, multi-purpose vehicle (MPV), other pertinent pupil transportation fleet data
 - The capability to gather route information (ex. miles and minutes) and bus driver data
 - The capability to gather performance measures
 - The capability to identify operational deficiencies
 - The ability to compare data various sets of data between the LEA’s and State such as costs per mile and minute between the LEAs and the State
 - The ability to provide data confidentiality, and integrity collect, storage, and retrieval of accurate and secure data.
 - The ability to retrieve reports to include drivers training and driving records
 - The ability house and report a contact list for: Directors, Supervisors, Office Staff, Driver Instructors, Shop Foreman and other users and official LEA and State contacts
 - An interface capability
 - The ability for an LEA, or USBE to perform bulk data uploads for transportation related data
 - The ability to accept various transportation related data elements to include Times and mileages, Student counts, Total miles and minutes for route, Total bus stops, Comments
 - The ability house forms and output prepopulated forms from select inputs for transportation related data
 - Providing LEAs or USBE users the ability to administer transportation related surveys



- **Perform data comparisons between LEAs and USBE for:**
 - o Technicians
 - o Bus/technicians ratio
 - o White fleet information
 - o Input and analyze data from surveys

- **Generate reports for:**
 - o Fall A1 Report
 - o LEA Transportation Fleets
 - o LEA Transportation Total Miles
 - o LEA Bus Drivers Credentials

- **Perform a data review process for:**
 - o Fall A1 Report
 - o LEA Transportation Total Miles
 - o LEA Transportation Fleet
 - o LEA Bus drivers training

Assumptions

- Capability must support all LEAs and the USBE
- Capability will be made available upon completion of the proposed USIMS system

Project Estimates

- **USIMS Capability Development Estimate**
 - o Projected add on capability to USIMS:
 - One Time Cost: \$200,000 - \$400,000