

### 3.1.2

#### High Speed Georeferenced Bridge Clearance Data Collection at Ohio DOT

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Quality data is a vital component to all oversize/overweight routing permit systems. Ohio DOT currently uses a fast, accurate and safe method to update their bridge clearance database information. The data is collected with a multiple laser system at highway speeds. All structures are tagged with LRS and GPS information from an integrated GPS receiver. The real time vehicle display informs operators which bridges are expected next, notifies them when a measurement has been recorded, and dynamically plots the data points collected on the underside of all structures. GPS data points attached to each structure data provides a useful tool during the QC process, ensuring data integrity. The result is improved accuracy and confidence in the data used daily to make important routing decisions in the state of Ohio.