

## **RP 318 – Analysis of Commercial Motor Vehicle Crashes in Idaho**

### ○ Project Description:

Primary to the ITD mission is the safety of road users. Crashes can have a lifetime impact on many of Idaho's residents as well as causing traffic congestion at the time of the crash. Commercial Motor Vehicle (CMV) crashes recently increased 14% over the course of one year in Idaho. Some data analysis is completed each year for CMV crashes and can be found in the [Annual Crash Report](#) produced by ITD's [Office of Highway Safety](#). However, this information does not provide an in-depth look at the leading causes of CMV crashes. This research will examine the factors surrounding CMV crashes and provide recommendations for ITD to consider for reducing these types of crashes. Examples include characterizing differences between functional classifications, vehicle classification, commodity being moved, regulated vs non-regulated type, and, if it is available, whether the vehicle is registered intrastate or interstate. In addition to the vehicle information, the study will also examine CMV driver characteristics to determine if there are any subgroups that are overrepresented in crashes.

### ○ The objectives of this project are:

1. To review and summarize research characterizing CMV crashes, examining causes, contributing factors, and countermeasures that have found effective in reducing CMV crashes.
2. To gather crash data involving CMVs on all public roadways in Idaho and perform analysis to identify trends and contributing factors.
3. To develop a statewide geodatabase containing crash attributes including severity, vehicle classification, license classification and others as determined by cooperative research team.
4. To use crash analysis results to examine potential mitigation strategies for reducing CMV crashes.

### ○ Estimated Completion Date: September 2025

### ○ Budget: \$100,000

### ○ Project Manager: Kelly Campbell (208) 334-8105 [Kelly.Campbell@itd.idaho.gov](mailto:Kelly.Campbell@itd.idaho.gov)

### ○ Principal Investigator: Matthew Camden [mcamden@vti.vt.edu](mailto:mcamden@vti.vt.edu)

### ○ TAC Members:

Craig Roberts (208) 334-4426 [Craig.Roberts@itd.idaho.gov](mailto:Craig.Roberts@itd.idaho.gov)

Mona Hunt (208) 334-8491 [Mona.Hunt@itd.idaho.gov](mailto:Mona.Hunt@itd.idaho.gov)

Caleb Forrey (208) 334-8549 [Caleb.Forrey@itd.idaho.gov](mailto:Caleb.Forrey@itd.idaho.gov)

Luke Hajda (208) 901-1959 [Luke.Hajda@itd.idaho.gov](mailto:Luke.Hajda@itd.idaho.gov)

Josephine Middleton (208) 334-8112 [Josephine.Middleton@itd.idaho.gov](mailto:Josephine.Middleton@itd.idaho.gov)

Richard York [Richard.York@dot.gov](mailto:Richard.York@dot.gov)

Megan Kreizenbeck [Megan.Kreizenbeck@isp.idaho.gov](mailto:Megan.Kreizenbeck@isp.idaho.gov)

### ○ FHWA Advisor: Lance Johnson (208) 334-9849 [Lance.Johnson@dot.gov](mailto:Lance.Johnson@dot.gov)