

Traffic Safety and Human Factors Expert Task Group (TSHF)

Member Name	Division/Branch	Title
Mark Joerger	PD&A – Research	Senior Research Coordinator
David Hurwitz	OSU	Associate Professor
Nick Fortey	FHWA	Region 2 Operations Engineer and Safety
Amanda Salyer	ODOT Region 2	Traffic Investigations Engineer
Angela Kargel	SPD – Traffic	State Traffic Services Engineer
David Martin	DMVS	Driver Control Policy Team Lead
Vacant	Safety Division	Roadway Safety Analyst or Manager

Research Priorities

The Transportation Safety and Human Factors (TraSHFac) ETG deals with research on safety issues related to roadway design and driver behavior. Bicycle, motorcycle, and pedestrian safety are also within our scope, as is the safety of roadway work zones related to the behavior of drivers passing through those zones.

We have specific interest in research to identify problem drivers, to improve safety of roadside features, to find cost effective mitigation measures for problem road segments, and to provide continuing education on safer driving practices to drivers.

The following bullet points are areas of potential research this Expert Task Group (ETG) will pursue and examine for funding:

Traffic Safety and Human Factors Topics

- **Safer Roadway Design** - Research on speed zone transitions, efficient traffic calming, effective roadway geometry, and meaningful clear zone requirements.
- **Safer Roadside Features** - Investigations into driver visual issues, visual barrier improvement, and proper application of physical barrier systems, and safer roadside features.

- **Safer Traffic Control Devices** – Investigations into traffic control devices, proper application of traffic controls, human factors relating to use of traffic controls and improved compliance of traffic controls.
- **Safety Data and Analysis** – Investigations into safety data quality and accuracy, data analysis tools, and current and emerging data and analysis practices.
- **Driver Information and Continuing Education** - Effective use of media and enforcement to educate drivers in aspects of driving safety, and providing drivers with information relevant to their safety choices.
- **Reducing the Number of Unsafe Drivers on Oregon Roads** - Research to support the identification and mitigation of unsafe drivers, including those who drive while under the influence of alcohol or drugs, those who have medical impairments, those who drive in an unsafe manner, and those who do not have the necessary skills or experience to drive safely.