

Our Research Facility

The expertise of our scientists, engineers, and support staff encompasses more than 100 transportation-related disciplines and [expertise areas](#). The laboratories housed at the Turner-Fairbank Highway Research Center (TFHRC) provide a vital resource for advancing the body of knowledge to help address national transportation goals. The Federal Highway Administration's [Exploratory Advanced Research Program](#) is also managed from the TFHRC research facility.

For concise descriptions of the TFHRC laboratories, read the [Lab Clips](#).

Laboratory	Manager	E-mail	URL (http://www.tfrc.gov/about/labs.htm)
Aerodynamics Laboratory	Harold Bosch	harold.bosch@fhwa.dot.gov	http://www.tfrc.gov/aerodynamics/index.htm
Asphalt: Accelerated Load Facility	Nelson Gibson	nelson.gibson@fhwa.dot.gov	http://www.fhwa.dot.gov/pavement/asphalt/labs/alf/index.cfm
Asphalt: Binder Rheology Laboratory	Nelson Gibson	nelson.gibson@fhwa.dot.gov	http://www.fhwa.dot.gov/pavement/asphalt/labs/binder/index.cfm
Asphalt: Bituminous Mixtures Laboratory	Nelson Gibson	nelson.gibson@fhwa.dot.gov	http://www.fhwa.dot.gov/pavement/asphalt/labs/mixtures/index.cfm
Asphalt: Imaging Laboratory	Ernie Bastian	ernie.bastian@fhwa.dot.gov	http://www.fhwa.dot.gov/pavement/asphalt/labs/imaging/index.cfm
Arens Photometric and Visibility Laboratory	Carl Andersen	carl.andersen@fhwa.dot.gov	http://www.tfrc.gov/about/pvl.htm
Bridge Management Information Systems (BMIS) Laboratory	Hamid Ghasemi	hamid.ghasemi@fhwa.dot.gov	http://www.tfrc.gov/bmis/
Chemistry Laboratories (Chemistry, Analytical/Spectroscopy, Chemistry-Analytical/Spectroscopy, Materials Characterization)	Terry Arnold	terry.arnold@fhwa.dot.gov	http://www.tfrc.gov/about/chem.htm
Concrete: Portland Cement Concrete Laboratories (Aggregate and Sample Preparation, Concrete Curing/Maturity, Concrete Durability, Mechanical Properties, Plastic Concrete, Petrographic)	Rick Meininger	rick.meininger@fhwa.dot.gov	http://www.tfrc.gov/about/concrete.htm

(FHWA/NHTSA) National Crash Analysis Center (NCAC)	Ken Opiela	ken.opiela@fhwa.dot.gov	http://www.tfsrc.gov/about/ncac.htm
FHWA Nondestructive (NDE) Center	Frank Jalinoos	frank.jalinoos@fhwa.dot.gov	http://www.tfsrc.gov/about/ndevc.htm
Federal Outdoor Impact Laboratory (FOIL)	Ken Opiela	ken.opiela@fhwa.dot.gov	http://www.tfsrc.gov/about/foil.htm
Geometric Design Laboratory	Clayton Chen	clayton.chen@fhwa.dot.gov	http://www.tfsrc.gov/about/gdl.htm
Geotechnical (Foundations, Soil Mechanics, Outdoor Foundations)	Mike Adams	mike.adams@fhwa.dot.gov	http://www.tfsrc.gov/about/geotech.htm
Highway Safety Information System (HSIS) Laboratory	Carol Tan	carol.tan@fhwa.dot.gov	http://www.tfsrc.gov/about/hsis.htm
Human Centered Systems Laboratory	Tom Granda	thomas.granda@fhwa.dot.gov	http://www.tfsrc.gov/about/hcs.htm
J. Sterling Jones Hydraulics Research Laboratory	Kornel Kerenyi	kornel.kerenyi@fhwa.dot.gov	http://www.tfsrc.gov/structur/hydrlics/index.htm
Intelligent Intersection Traffic Control Laboratory	Peter Huang	peter.huang@fhwa.dot.gov	http://www.tfsrc.gov/about/iitc.htm
Paint & Corrosion Laboratories	Seung-Kyoung Lee	seung-kyoung.lee@fhwa.dot.gov	http://www.tfsrc.gov/about/corros.htm
Pavement Surface Analysis Laboratory	Dennis Sixbey	dennis.sixbey@fhwa.dot.gov	http://www.tfsrc.gov/about/pavesurf.htm
Saxton Highway Electronics Laboratory	Masoud Nasabzadeh	masoud.nasabzadeh@fhwa.dot.gov	http://www.tfsrc.gov/about/saxton.htm
Structures Laboratory	Fassil Beshah	fassil.beshah@fhwa.dot.gov	http://www.tfsrc.gov/about/struct.htm
Traffic Research Laboratory (TRel)	Randall VanGorder	randall.vanGorder@fhwa.dot.gov	http://www.tfsrc.gov/about/trel.htm
Truck-Pavement Interaction Laboratory	Vacant		http://www.tfsrc.gov/about/tpi.htm