

## Federal Highway Administration Research Roles and Responsibilities

Full Name	E-mail	Phone	Title	Office	Primary Role(s) and Responsibilities	Backup Person
<b>120 Search Results</b>						
<a href="#">Abdi, Hiwot K</a>	<a href="mailto:hiwot.abdi@dot.gov">hiwot.abdi@dot.gov</a>	202-493-3022	Executive Assistant	Office of Research, Development, and Technology <b>Program Management</b>	<ul style="list-style-type: none"> <li>• Provide administrative support</li> <li>• Provide office management</li> </ul>	
<a href="#">Adams, Michael Thomas</a>	<a href="mailto:mike.adams@dot.gov">mike.adams@dot.gov</a>	202-493-3025	Research Civil Engineer	Office of Infrastructure Research and Development <b>Bridge and Foundation Engineering Team</b>	<ul style="list-style-type: none"> <li>• Manage: Geotechnical Laboratory</li> <li>• Conduct research on retaining wall systems</li> <li>• Conduct research on construction engineering</li> <li>• Conduct research on shallow foundations engineering</li> <li>• Act as expert on geology engineering</li> <li>• Participate on Bridge of the Future initiative</li> <li>• Conduct research on integrated abutment bridge system</li> <li>• Conduct research on geosynthetic reinforced soil structures</li> </ul>	<b>Backup 1</b> Nicks, Jennifer E <b>Backup 2</b> Beshah, Fassil B
<a href="#">Altan, Osman</a>	<a href="mailto:osman.altan@dot.gov">osman.altan@dot.gov</a>	202-493-3391	Transportation Operations Engineer	Office of Operations Research and Development <b>Transportation Operations Applications Team</b>	<ul style="list-style-type: none"> <li>• Conduct vehicle automation, truck platooning, and automotive control systems</li> </ul>	<b>Backup 1</b> Yousuf, Mohammed <b>Backup 2</b> McKeever, Benjamin (Ben)

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<a href="#">Amjadi, Roya</a>	<a href="mailto:roya.amjadi@dot.gov">roya.amjadi@dot.gov</a>	202-493-3383	Transportation Specialist	Office of Safety Research and Development <b>Safety Data and Analysis Team</b>	<ul style="list-style-type: none"> <li>• Manage the Development of Crash Modification Factors (DCMF) Program</li> <li>• Manage Evaluation of Low-Cost Safety Improvements Pooled-Fund Study</li> <li>• Support highway safety research</li> <li>• Manage and conduct highway safety analysis</li> </ul>	<b>Backup 1</b> Tan, Carol H <b>Backup 2</b> Thor, Craig
<a href="#">Andersen, Carl K</a>	<a href="mailto:carl.andersen@dot.gov">carl.andersen@dot.gov</a>	202-493-3045	Special Projects	Office of Research, Development, and Technology <b>Program Management</b>	<ul style="list-style-type: none"> <li>• Act in the role of special projects coordinator</li> </ul>	
<a href="#">Ardani, Ahmad</a>	<a href="mailto:ahmad.ardani@dot.gov">ahmad.ardani@dot.gov</a>	202-493-3422	Research Materials Engineer	Office of Infrastructure Research and Development <b>Pavement Materials Team</b>	<ul style="list-style-type: none"> <li>• Conduct concrete materials research</li> </ul>	Meininger, Richard C (Rick)
<a href="#">Arispe, Eduardo</a>	<a href="mailto:eduardo.arispe@dot.gov">eduardo.arispe@dot.gov</a>	202-493-3291	Research Mechanical Engineer	Office of Safety Research and Development <b>Roadway Team</b>	<ul style="list-style-type: none"> <li>• Manage: Federal Outdoor Impact Laboratory</li> <li>• Maintain certification of the crash test lab and the test data</li> <li>• Advance the use of dynamic finite element analysis software to design crashworthy roadside safety structures and predict vehicle crash outcomes</li> <li>• Coordinate efforts related to motorcycle crashes into barriers</li> <li>• Coordinate investigations of suspension and steering</li> </ul>	Chen, Shyuan-Ren (Clayton)

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					<ul style="list-style-type: none"> <li>component failures in angular crashes</li> <li>• Develop testing protocols for dynamic impact testing for various research needs</li> </ul>	
<a href="#">Arnold, Michelle</a>	<a href="mailto:michelle.arnold@dot.gov">michelle.arnold@dot.gov</a>	202-493-3990	Engineering Research Psychologist	Office of Safety Research and Development <b>Human Factors Team</b>	<ul style="list-style-type: none"> <li>• Driving behavioral data analysis</li> <li>• Human factors research related to visibility, work zones, etc.</li> </ul>	Yang, David
<a href="#">Arnold, Terry</a>	<a href="mailto:terry.arnold@dot.gov">terry.arnold@dot.gov</a>	202-493-3305	Senior Research Chemist	Office of Infrastructure Research and Development <b>Pavement Materials Team</b>	<ul style="list-style-type: none"> <li>• Manage the Chemistry Laboratory</li> <li>• Provide asphalt chemistry and technology</li> <li>• Understand the performance of modified binders in asphalt mixes</li> <li>• Develop rapid test for alkali-silica reactivity</li> <li>• Conduct concrete and fly ash chemistry</li> </ul>	Youtcheff, Jack
<a href="#">Bared, Joe</a>	<a href="mailto:joe.bared@dot.gov">joe.bared@dot.gov</a>	202-493-3314	Team Leader, Transportation Operations Concepts and Analysis Team	Office of Operations Research and Development <b>Transportation Operations Concepts and Analysis Team</b>	<ul style="list-style-type: none"> <li>• Provide team management and leadership</li> <li>• Lead the Concepts and Analysis Testbed of the Saxton Transportation Operations Laboratory</li> <li>• Oversee Student Career Experience Program and staff research</li> <li>• Support adaptive signal control technology (ASCT) research</li> <li>• Manage ASCT including safety</li> <li>• Provide integration of</li> </ul>	

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					<p>transportation simulation tools</p> <ul style="list-style-type: none"> <li>• Evaluate innovative intersections</li> </ul>	
<a href="#">Barkawi, Aladdin</a>	<a href="mailto:aladdin.barkawi@dot.gov">aladdin.barkawi@dot.gov</a>	202-493-3312	Strategic Highway Research Program (SHRP2) Coordinator	Office of Safety Research and Development <b>SHRP2 Safety Implementation</b>	<ul style="list-style-type: none"> <li>• Act as the Strategic Highway Research Program (SHRP2) implementation coordinator</li> <li>• Provide SHRP2 implementation and coordination</li> <li>• Serve as the Safety Implementation Coordinator for the Strategic Highway Research Program 2</li> </ul>	Evans, Monique R
<a href="#">Beshah, Fossil B</a>	<a href="mailto:fossil.beshah@dot.gov">fossil.beshah@dot.gov</a>	202-493-3041	Structures Laboratory Manager	Office of Infrastructure Research and Development <b>Bridge and Foundation Engineering Team</b>	<ul style="list-style-type: none"> <li>• Manage: Structures Laboratory</li> <li>• Conduct research on high-performance materials</li> <li>• Participate in the Bridge of the Future initiative</li> </ul>	Adams, Michael Thomas
<a href="#">Bosch, Harold R</a>	<a href="mailto:harold.bosch@dot.gov">harold.bosch@dot.gov</a>	202-493-3031	Research Structural Engineer and Aerodynamics Laboratory Manager	Office of Infrastructure Research and Development <b>Hazard Mitigation Team</b>	<ul style="list-style-type: none"> <li>• Manage: Aerodynamics Laboratory</li> <li>• Conduct research on structural dynamics</li> <li>• Perform aerodynamics and wind research</li> <li>• Conduct research on wind loads on structures</li> <li>• Conduct research on wind-induced vibration of cables</li> <li>• Perform computational fluid dynamic flow simulation</li> </ul>	Duwadi, Sheila R

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<a href="#">Chen, Shyuan-Ren (Clayton)</a>	<a href="mailto:clayton.chen@dot.gov">clayton.chen@dot.gov</a>	202-493-3054	Team Leader, Roadway Team	Office of Safety Research and Development <b>Roadway Team</b>	<ul style="list-style-type: none"> <li>• Develop, manage, and coordinate roadway safety research program</li> <li>• Provide technical guidance and support to address roadway safety issues</li> <li>• Coordinate research and technical assistance for the Highway Safety Manual</li> <li>• Support intelligent transportation systems connected vehicle research on vehicle-to-infrastructure communications for safety</li> </ul>	<b>Backup 1</b> Davis, Gregory W (Greg) <b>Backup 2</b> Zhang, Wei
<a href="#">Cobb, Lincoln</a>	<a href="mailto:lincoln.cobb@dot.gov">lincoln.cobb@dot.gov</a>	202-493-3313	Technology Facilitator	Office of Safety Research and Development <b>Technical Direction and Coordination</b>	<ul style="list-style-type: none"> <li>• Develop strategies to facilitate technology transfer and market safety products</li> <li>• Manage content for safety research and development Web site</li> <li>• Support the development and use of advanced road data collection technology</li> </ul>	
<a href="#">Condes, Jodi</a>	<a href="mailto:jodi.condes@dot.gov">jodi.condes@dot.gov</a>	202-493-3171	Director	Office of Resource Management <b>Program Management</b>	<ul style="list-style-type: none"> <li>• Provide leadership in management, logistics, and planning for Office of Research, Development, and Technology (Turner-Fairbank Highway Research Center)</li> <li>• Provide oversight of all Office of Research, Development, and Technology/Turner-Fairbank Highway Research Center business operations and support</li> <li>• Provide consultation for Office of Research,</li> </ul>	Nasabzadeh, Masoud

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					Development, and Technology senior management for all business operations	
<a href="#">Curtis, Deborah M</a>	<a href="mailto:deborah.curtis@dot.gov">deborah.curtis@dot.gov</a>	202-493-3267	Highway Research Engineer	Office of Operations Research and Development <b>Transportation Operations Applications Team</b>	<ul style="list-style-type: none"> <li>• Provide adaptive control software, ramp metering, adaptive control software evaluation, and operation of work zones</li> <li>• Participate in Exploratory Advanced Research Program</li> <li>• Develop cooperative vehicle-highway systems</li> <li>• Conduct connected vehicles research: dynamic mobility applications (DMA) and signal phase and timing (SPaT) activities</li> </ul>	McKeever, Benjamin (Ben)
<a href="#">Curtis, Georgia A</a>	<a href="mailto:georgia.curtis@dot.gov">georgia.curtis@dot.gov</a>	202-493-3180	Program Analyst	Office of Safety Research and Development <b>Technical Direction and Coordination</b>	<ul style="list-style-type: none"> <li>• Provide management support and monitoring</li> </ul>	
<a href="#">Davis, Gregory W (Greg)</a>	<a href="mailto:gregory.davis@dot.gov">gregory.davis@dot.gov</a>	202-493-3367	Intelligent Transportation Systems Safety Research Program Manager	Office of Safety Research and Development <b>Roadway Team</b>	<ul style="list-style-type: none"> <li>• Perform research on intelligent transportation systems to improve highway safety</li> <li>• Coordinate cooperative intersection collision avoidance systems research</li> <li>• Manage research to develop vehicle-to-infrastructure communications applications to improve highway safety</li> </ul>	Fessmann, Volker
<a href="#">Do, Ann</a>	<a href="mailto:ann.do@dot.gov">ann.do@dot.gov</a>	202-493-3319	Highway Research Engineer	Office of Safety Research and Development	<ul style="list-style-type: none"> <li>• Develop, manage, and coordinate the Pedestrian and Bicycle Safety Research Program</li> </ul>	Yang, David

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				<b>Human Factors Team</b>	<ul style="list-style-type: none"> <li>• Provide pedestrian and bicycle safety technical guidance</li> </ul>	
<a href="#">Dupuy, Carmen</a>	<a href="mailto:carmen.dupuy@dot.gov">carmen.dupuy@dot.gov</a>	202-493-3175	Administrative Assistant (Contractor)	Office of Resource Management <b>Program Management</b>	<ul style="list-style-type: none"> <li>• Provide support activities for administrative management programs</li> </ul>	
<a href="#">Duval, Richard</a>	<a href="mailto:richard.duval@dot.gov">richard.duval@dot.gov</a>	202-493-3365	Research Civil Engineer	Office of Infrastructure Research and Development <b>Infrastructure Analysis and Construction Team</b>	<ul style="list-style-type: none"> <li>• Conduct research on infrastructure construction</li> <li>• Conduct research on advanced quality systems</li> <li>• Conduct research on pavement performance-related specifications</li> <li>• Provide statistical quality control</li> <li>• Provide quality assurance specifications</li> </ul>	<b>Backup 1</b> Petros, Katherine A <b>Backup 2</b> Sherwood, James A
<a href="#">Duwadi, Sheila R</a>	<a href="mailto:sheila.duwadi@dot.gov">sheila.duwadi@dot.gov</a>	202-493-3106	Team Leader, Hazard Mitigation and Specialty Materials Team	Office of Infrastructure Research and Development <b>Hazard Mitigation Team</b>	<ul style="list-style-type: none"> <li>• Manage the Hazard Mitigation and Specialty Materials Team</li> <li>• Conduct timber bridge research</li> <li>• Conduct research on bridge design</li> <li>• Conduct research on bridge and tunnel security</li> <li>• Conduct research on advanced wood/fiber-reinforced polymer composites</li> </ul>	Bosch, Harold R

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<a href="#">Eigen, Ana Maria</a>	<a href="mailto:ana.eigen@dot.gov">ana.eigen@dot.gov</a>	202-493-3260	Research Highway Safety Specialist	Office of Safety Research and Development <b>Safety Data and Analysis Team</b>	<ul style="list-style-type: none"> <li>• Analyze roadside safety data</li> <li>• Coordinate vehicle safety research</li> <li>• Evaluate occupant risks in crashes</li> <li>• Advance the use of simulation modeling in research and development</li> <li>• Coordinate investigations of rollover causation and reduction</li> </ul>	<b>Backup 1</b> Amjadi, Roya <b>Backup 2</b> Tan, Carol H
<a href="#">Ellis, Zachary</a>	<a href="mailto:zachary.ellis@dot.gov">zachary.ellis@dot.gov</a>	202-493-3193	Advanced Research Program Analyst	Office of Corporate Research, Technology, and Innovation Management <b>Exploratory Advanced Research Team</b>	<ul style="list-style-type: none"> <li>• Develop and administer the Exploratory Advanced Research Program</li> <li>• Coordinate initial stage research (e.g., scanning and convening)</li> <li>• Coordinate communications and outreach</li> <li>• Provide program analysis and evaluation</li> <li>• Coordinate Exploratory Advanced Research Program Web content and marketing</li> </ul>	Halkyard, Terry D
					<ul style="list-style-type: none"> <li>• Provide overall leadership of research and technology program development and innovation management</li> <li>• Lead and convene Federal Highway Administration's Research and Technology Leadership Team</li> <li>• Lead Federal Highway Administration's implementation of Future Strategic Highway Research Program</li> </ul>	



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<a href="#">Elston, Debra S</a>	<a href="mailto:debra.elston@dot.gov">debra.elston@dot.gov</a>	202-493-3181	Director	Office of Corporate Research, Technology, and Innovation Management <b>Program Management</b>	<ul style="list-style-type: none"> <li>● Lead Federal Highway Administration strategy for the Exploratory Advanced Research Program</li> <li>● Lead Federal Highway Administration’s communication and outreach for the research and technology program, including the Federal Highway Administration Research Library</li> <li>● Lead Federal Highway Administration research and technology authorization and coordination</li> <li>● Lead coordination with external research and technology advisory committee</li> <li>● Lead coordination and collaboration with international highway research partners</li> <li>● Lead Federal Highway Administration’s research and technology budget development and delivery</li> </ul>	Jernigan, Jack D
					<ul style="list-style-type: none"> <li>● Advocate for a nationally coordinated safety research and development program</li> <li>● Develop the Federal Highway Administration safety research and development program</li> <li>● Provide leadership for the advanced research program</li> <li>● Coordinate safety activities for the Strategic Highway</li> </ul>	

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<a href="#">Evans, Monique R</a>	<a href="mailto:monique.evans@dot.gov">monique.evans@dot.gov</a>	202-493-3074	Director	Office of Safety Research and Development <b>Program Management</b>	<p>Research Program 2</p> <ul style="list-style-type: none"> <li>● Engage in Research, Development, and Technology Leadership Council efforts to improve the Turner-Fairbank Highway Research Center</li> <li>● Facilitate safety research and development of product and service deployments</li> <li>● Provide leadership for the connected vehicle-integration for safety research and deployment roadmap</li> </ul>	
<a href="#">Faridazar, Fred</a>	<a href="mailto:fred.faridazar@dot.gov">fred.faridazar@dot.gov</a>	202-493-3076	Highway Research Engineer	Office of Infrastructure Research and Development <b>Infrastructure Analysis and Construction Team</b>	<ul style="list-style-type: none"> <li>● Provide computer guidelines for portland cement concrete pavement performance prediction</li> <li>● Provide long-term behavior of jointed concrete pavement</li> <li>● Provide early-age behavior of continuously reinforced concrete pavement</li> <li>● Conduct research on lithium technologies to mitigate or prevent alkali-silica reactivity</li> <li>● Provide High Performance Concrete PAVing (HIPERPAV®)</li> </ul>	
<a href="#">Farrell, Kathleen</a>	<a href="mailto:kathleen.farrell@dot.gov">kathleen.farrell@dot.gov</a>	202-493-3339	Procurement Analyst	Office of Acquisition Management <b>Acquisition Systems and Policy Team</b>	<ul style="list-style-type: none"> <li>● Act as onsite Office of Acquisition Management liaison to the Office of Research, Development, and Technology</li> <li>● Provide acquisition policy and guidance development</li> </ul>	Condes, Jodi

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<a href="#">Ferlis, Robert A (Bob)</a>	<a href="mailto:robert.ferlis@dot.gov">robert.ferlis@dot.gov</a>	202-493-3268	Technical Director, Operations Research and Development	Office of Operations Research and Development <b>Program Management</b>	<ul style="list-style-type: none"> <li>• Coordinate project team activities for Federal Highway Administration's strategic plan and performance plan goals and objectives</li> <li>• Conduct research, development, and technology product deployment</li> <li>• Liaise with the Exploratory Advanced Research Program and Federal Highway Administration headquarters and field offices</li> <li>• Provide intelligent transportation system support</li> <li>• Conduct research on advanced mobility systems, vehicle-highway automation, and vehicle-infrastructure integration</li> </ul>	
<a href="#">Fessmann, Volker</a>	<a href="mailto:Volker.Fessmann@dot.gov">Volker.Fessmann@dot.gov</a>	202-493-3322	Highway Research Engineer	Office of Safety Research and Development <b>Roadway Team</b>	<ul style="list-style-type: none"> <li>• Manage intelligent transportation systems safety research</li> <li>• Support traffic engineering and human factors research</li> </ul>	Davis, Gregory W (Greg)
<a href="#">Fitzgerald, Cara</a>	<a href="mailto:cara.fitzgerald@dot.gov">cara.fitzgerald@dot.gov</a>	202-493-3376	Program Coordinator	Office of Infrastructure Research and Development <b>Program Management</b>	<ul style="list-style-type: none"> <li>• Provide program coordination and monitoring</li> <li>• Coordinate office management initiatives</li> </ul>	
					<ul style="list-style-type: none"> <li>• Formulate agency-wide and office-wide bridge and structures research goals and objectives</li> <li>• Recommend bridge and structures research and</li> </ul>	

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<a href="#">Friedland, Ian M</a>	<a href="mailto:ian.friedland@dot.gov">ian.friedland@dot.gov</a>	202-493-3023	Assistant Director, Bridge and Structures Research and Development	Office of Infrastructure Research and Development <b>Program Management</b>	<p>technology policies and short-and long-range strategies</p> <ul style="list-style-type: none"> <li>● Manage the conduct of bridge and structures in-house and contract research, and oversee operation of bridge and structures laboratory facilities</li> <li>● Facilitate communication and coordination with other FHWA offices, external partners, and stakeholders</li> <li>● Supervise Office of Infrastructure Research and Development bridge and structures staff</li> <li>● Assist office director in the management and administration of Office of Infrastructure Research and Development activities</li> </ul>	Richter, Cheryl Allen
<a href="#">Frizzell, Kristy</a>	<a href="mailto:Kristy.Frizzell.CTR@dot.gov">Kristy.Frizzell.CTR@dot.gov</a>	202-493-3260	Administrative Assistant (Contractor)	Office of Safety Research and Development <b>Program Management</b>	<ul style="list-style-type: none"> <li>● Provide administrative support</li> <li>● Manage office activities</li> </ul>	
<a href="#">Ghasemi, Hamid</a>	<a href="mailto:hamid.ghasemi@dot.gov">hamid.ghasemi@dot.gov</a>	202-493-3042	Team Leader, Infrastructure	Office of Infrastructure Research and Development	<ul style="list-style-type: none"> <li>● Manage the Infrastructure Management Team</li> <li>● Provide oversight for Infrastructure Management research laboratories and other facilities</li> <li>● Develop and manage the execution of Infrastructure Management Team strategic, tactical, and work plans</li> <li>● Conduct research on stewardship and</li> </ul>	Virmani, Paul

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			Management Team	<b>Infrastructure Management Team</b>	<p>management of existing infrastructure, including bridges</p> <ul style="list-style-type: none"> <li>● Provide expert advice on bridge evaluation</li> <li>● Conduct research on infrastructure management systems</li> <li>● Conduct research on infrastructure and bridge durability and system preservation</li> </ul>	
<a href="#">Gibson, David P</a>	<a href="mailto:david.gibson@dot.gov">david.gibson@dot.gov</a>	202-493-3271	Highway Research Engineer	Office of Operations Research and Development <b>Transportation Enabling Technologies Team</b>	<ul style="list-style-type: none"> <li>● Conduct advanced and innovative research</li> <li>● Act as a university research liaison</li> <li>● Conduct research on traffic sensors and detection</li> <li>● Conduct research on sensors and controllers for cooperative intersection collision avoidance systems</li> <li>● Participate with University Research Centers of Excellence</li> <li>● Conduct stereo-pedestrian sensor project</li> </ul>	McHale, Gene M
<a href="#">Gibson, Nelson H</a>	<a href="mailto:nelson.gibson@dot.gov">nelson.gibson@dot.gov</a>	202-493-3073	Materials Research Engineer	Office of Infrastructure Research and Development <b>Pavement Materials Team</b>	<ul style="list-style-type: none"> <li>● Manage: Bituminous Mixtures Laboratory</li> <li>● Conduct research at Accelerated Loading Facility</li> <li>● Research asphalt technology</li> <li>● Conduct Superpave® modification</li> <li>● Research warm mix</li> <li>● Conduct performance tests</li> </ul>	

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					<ul style="list-style-type: none"> <li>• Understand the performance of modified binders in asphalt mixes</li> </ul>	
<a href="#">Graybeal, Benjamin A (Ben)</a>	<a href="mailto:benjamin.graybeal@dot.gov">benjamin.graybeal@dot.gov</a>	202-493-3122	Team Leader, Bridge and Foundation Engineering Team	Office of Infrastructure Research and Development <b>Bridge and Foundation Engineering Team</b>	<ul style="list-style-type: none"> <li>• Manage the Bridge Design and Foundation Engineering Team</li> <li>• Conduct high-performance materials research</li> <li>• Perform forensic investigations</li> </ul>	<b>Backup 1</b> Adams, Michael Thomas <b>Backup 2</b> Beshah, Fassil B
<a href="#">Halkyard, Terry D</a>	<a href="mailto:terry.halkyard@dot.gov">terry.halkyard@dot.gov</a>	202-493-3467	Program Coordinator	Office of Corporate Research, Technology, and Innovation Management <b>Exploratory Advanced Research Team</b>	<ul style="list-style-type: none"> <li>• Develop and administer the Exploratory Advanced Research Program</li> <li>• Provide budget delivery</li> <li>• Work on Exploratory Advanced Research Program partnerships</li> <li>• Develop and execute broad agency announcements</li> <li>• Provide contract support management</li> <li>• Coordinate program publications and exhibits</li> </ul>	Kuehn, David E
<a href="#">Huang, X. Peter</a>	<a href="mailto:peter.huang@dot.gov">peter.huang@dot.gov</a>	202-493-3484	Highway Research Engineer	Office of Operations Research and Development <b>Transportation Operations Concepts and Analysis Team</b>	<ul style="list-style-type: none"> <li>• Provide Connected Vehicles Testbed development and operation</li> <li>• Conduct research on quick incident detection and warning systems</li> <li>• Conduct research on knowledge-based signal system analysis tools, high-speed intersection safety, and work zone queue detection and warning systems</li> </ul>	Bared, Joe

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<a href="#">Jackson, Lisa</a>	<a href="mailto:lisa.jackson@dot.gov">lisa.jackson@dot.gov</a>	202-493-3204	Publishing and Marketing Support	Office of Corporate Research, Technology, and Innovation Management <b>Innovation Management and Communications Team</b>	<ul style="list-style-type: none"> <li>● Manage meeting and conference planning</li> <li>● Manage and coordinate research and technology printing</li> <li>● Provide official records management and preservation</li> </ul>	Williams, Lisa A.
<a href="#">Jalinoos, Farrokh (Frank)</a>	<a href="mailto:frank.jalinoos@dot.gov">frank.jalinoos@dot.gov</a>	202-493-3044	Research Structural Engineer	Office of Infrastructure Research and Development <b>Hazard Mitigation Team</b>	<ul style="list-style-type: none"> <li>● Conduct research on imaging for hydraulic countermeasures and scour</li> <li>● Conduct research on ultrasonic culvert assessment tool</li> <li>● Conduct research on covered wooden and timber bridge construction, field evaluation, and long term performance</li> <li>● Post-hazard assessment of bridges and structures</li> </ul>	Duwadi, Sheila R
<a href="#">Jernigan, Jack D</a>	<a href="mailto:jack.jernigan@dot.gov">jack.jernigan@dot.gov</a>	202-493-3363	Team Director	Office of Corporate Research, Technology, and Innovation Management <b>Research and Technology Program Development and Partnership</b>	<ul style="list-style-type: none"> <li>● Lead the legislation and budget team</li> <li>● Coordinate the national research and technology program development and evaluation</li> <li>● Develop research and technology partnerships</li> <li>● Act as the Research and Technology Leadership Team secretariat</li> <li>● Develop and maintain partnerships with internal and external groups</li> </ul>	Olivera, Lucia

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				<b>Team</b>	<ul style="list-style-type: none"> <li>• Act as a liaison for National Cooperative Highway Research Program Project 20-5</li> <li>• Develop and coordinate an intellectual property system</li> </ul>	
<a href="#">Jiang, Yan (Jane)</a>	<a href="mailto:jane.jiang@dot.gov">jane.jiang@dot.gov</a>	202-493-3149	Highway Research Engineer	Office of Infrastructure Research and Development <b>Long-Term Pavement Performance Team</b>	<ul style="list-style-type: none"> <li>• Perform Long-Term Pavement Performance database activities</li> <li>• Perform Long-Term Pavement Performance falling weight deflectometer operations</li> <li>• Conduct falling weight deflectometer calibration and pooled fund study</li> <li>• Provide Long-Term Bridge Performance database management</li> <li>• Participate on Transportation Research Board Long-Term Pavement Performance Expert Task Group on operation</li> <li>• Participate on the Design Guide Implementation Team</li> </ul>	Lopez, Aramis
<a href="#">Kerenyi, Kornel</a>	<a href="mailto:kornel.kerenyi@dot.gov">kornel.kerenyi@dot.gov</a>	202-493-3142	Hydraulics Research Program and Laboratory Manager	Office of Infrastructure Research and Development <b>Hazard Mitigation Team</b>	<ul style="list-style-type: none"> <li>• Manage: J. Sterling Jones Hydraulics Research Laboratory</li> <li>• Conduct research on the hydraulics and hydrology of highway structures</li> <li>• Conduct research on bridge scour, pressure flow scour, culvert hydraulics, bottomless culverts, and highway drainage</li> </ul>	Duwadi, Sheila R



## Federal Highway Administration Research Roles and Responsibilities

					<ul style="list-style-type: none"> <li>• Perform multihazard modeling</li> </ul>	
<a href="#">Kerr, Brian</a>	<a href="mailto:brian.kerr@dot.gov">brian.kerr@dot.gov</a>	202-493-3000	Facilities Manager	Office of Information and Management Services <b>Management Services Division</b>	<ul style="list-style-type: none"> <li>• Act as the Facilities Manager for the Turner-Fairbank Highway Research Center</li> <li>• Manage facility safety and health</li> </ul>	Condes, Jodi
<a href="#">Kessler, Morgan</a>	<a href="mailto:morgan.kessler@dot.gov">morgan.kessler@dot.gov</a>	202-493-3187	Preservation Research Engineer	Office of Infrastructure Research and Development <b>Infrastructure Analysis and Construction Team</b>	<ul style="list-style-type: none"> <li>• Conduct preservation-related research projects.</li> </ul>	
<a href="#">Klein, Janet S</a>	<a href="mailto:janet.klein@dot.gov">janet.klein@dot.gov</a>	202-493-3303	Administrative Assistant	Office of Operations Research and Development <b>Program Management</b>	<ul style="list-style-type: none"> <li>• Provide administrative support</li> <li>• Provide office management</li> </ul>	
<a href="#">Krause, Cory</a>	<a href="mailto:cory.krause@dot.gov">cory.krause@dot.gov</a>	202-493-3205	Pathways Civil Engineer (Student Intern)	Office of Operations Research and Development <b>Transportation Operations Concepts and Analysis Team</b>	<ul style="list-style-type: none"> <li>• Student Pathways Program</li> <li>• Review existing literature on various transportation operations topics and prepare synthesis of research studies and findings.</li> <li>• Use traffic simulation models to study the operational benefits of innovative road treatments such as intersections and interchanges.</li> <li>• Prepare experimental design and conduct field data collection such as traffic counts, speed, travel time, conflict measures, erratic behaviors, video data</li> </ul>	

## Federal Highway Administration Research Roles and Responsibilities

					<p>recording and extraction.</p> <ul style="list-style-type: none"> <li>• Prepare annotated outline of research projects and write technical papers and summary reports for peer reviews and publications.</li> </ul>	
<p><a href="#">Kuehn, David E</a></p>	<p><a href="mailto:david.kuehn@dot.gov">david.kuehn@dot.gov</a></p>	<p>202-493-3414</p>	<p>Team Director/Program Manager</p>	<p>Office of Corporate Research, Technology, and Innovation Management <b>Exploratory Advanced Research Team</b></p>	<ul style="list-style-type: none"> <li>• Provide Federal Highway Administration leadership</li> <li>• Manage scientific coordination</li> <li>• Manage partnership development</li> <li>• Provide visionary leadership for Exploratory Advanced Research Program</li> <li>• Provide international and national scientific program coordination</li> <li>• Provide leadership and communication for Corporate Master Plan for Research and Deployment of Technology and Innovation</li> </ul>	<p>Halkyard, Terry D</p>
<p><a href="#">Landolt, Jean S</a></p>	<p><a href="mailto:jean.landolt@dot.gov">jean.landolt@dot.gov</a></p>	<p>202-493-3146</p>	<p>Research and Technology Program Coordinator</p>	<p>Office of Corporate Research, Technology, and Innovation Management <b>Research and Technology Program Development and Partnership Team</b></p>	<ul style="list-style-type: none"> <li>• Advise office director on office operations</li> <li>• Provide program coordination and monitoring</li> <li>• Provide Transportation Research Board core program oversight</li> <li>• Manage National Cooperative Highway Research Program financial coordination and balloting</li> </ul>	<p>Jernigan, Jack D</p>

## Federal Highway Administration Research Roles and Responsibilities

<a href="#">Lane, Susan</a>	<a href="mailto:susan.lane@dot.gov">susan.lane@dot.gov</a>	202-493-3151	Long-Term Bridge Performance Program - Development, Administrative, and Outreach Manager	Office of Infrastructure Research and Development <b>Infrastructure Management Team</b>	<ul style="list-style-type: none"> <li>• Manage the development, administrative, and outreach activities for the Long-Term Bridge Performance Program</li> <li>• Conduct research for the Long-Term Bridge Performance Program</li> <li>• Conduct research on bridge inspection, evaluation, and management</li> </ul>	<b>Backup 1</b> Zobel, Robert <b>Backup 2</b> Ghasemi, Hamid
<a href="#">Laughman, Patricia A (Trisha)</a>	<a href="mailto:trisha.laughman@dot.gov">trisha.laughman@dot.gov</a>	202-493-3185	Administrative Management Specialist	Office of Resource Management <b>Program Management</b>	<ul style="list-style-type: none"> <li>• Provide human resource management consultation, support, and guidance</li> </ul>	Condes, Jodi
<a href="#">Lee, Angela</a>	<a href="mailto:angela.lee@dot.gov">angela.lee@dot.gov</a>	202-493-3471	Administrative Management Specialist	Office of Resource Management <b>Program Management</b>	<ul style="list-style-type: none"> <li>• Provide Turner-Fairbank Highway Research Center property management</li> </ul>	Nasabzadeh, Masoud
<a href="#">Lee, Kunik</a>	<a href="mailto:kunik.lee@dot.gov">kunik.lee@dot.gov</a>	202-493-3491	Transportation Operations Engineer	Office of Operations Research and Development <b>Transportation Enabling Technologies Team</b>	<ul style="list-style-type: none"> <li>• Coordinate exploratory advanced research activities within the Office of Operations Research and Development</li> <li>• Manage advanced research activities that identify and adapt innovative methods and new technologies, solve complex problems, or make groundbreaking discoveries to improve highway operations</li> </ul>	
<a href="#">Lochrane, Taylor</a>	<a href="mailto:taylor.lochrane@dot.gov">taylor.lochrane@dot.gov</a>	202-493-3293	Civil Engineer	Office of Operations Research and Development <b>Transportation</b>	<ul style="list-style-type: none"> <li>• Conduct operations-related research</li> </ul>	Bared, Joe

## Federal Highway Administration Research Roles and Responsibilities

				<b>Operations Concepts and Analysis Team</b>		
<a href="#">Lopez, Aramis</a>	<a href="mailto:aramis.lopez@dot.gov">aramis.lopez@dot.gov</a>	202-493-3145	Team Leader, Long-Term Pavement Performance Team	Office of Infrastructure Research and Development <b>Long-Term Pavement Performance Team</b>	<ul style="list-style-type: none"> <li>● Act as Long-Term Pavement Performance team leader</li> <li>● Provide Long-Term Pavement Performance product coordination</li> <li>● Conduct Long-Term Pavement Performance daily operations</li> <li>● Provide Long-Term Pavement Performance technical support services</li> <li>● Provide Long-Term Pavement Performance international coordination</li> <li>● Participate on Transportation Research Board Long-Term Pavement Performance Committee</li> <li>● Participate on Transportation Research Board Long-Term Pavement Performance Expert Task Groups</li> </ul>	Springer, Jack H
<a href="#">McCrae, TaMara</a>	<a href="mailto:tamara.mccrae@dot.gov">tamara.mccrae@dot.gov</a>	202-493-3382	Transportation Specialist	Office of Corporate Research, Technology, and Innovation Management <b>Innovation Management and Communications Team</b>	<ul style="list-style-type: none"> <li>● Perform national exhibit coordination and support</li> <li>● Provide research and technology communications support</li> <li>● Coordinate Turner-Fairbank Highway Research Center facility tours</li> <li>● Oversee the Research and Technology Product Distribution Center</li> <li>● Coordinate communications</li> </ul>	Williams, Lisa A.

## Federal Highway Administration Research Roles and Responsibilities

					and measurement for Federal Highway Administration Priority, Market-Ready Technologies and Innovations	
<a href="#">McHale, Gene M</a>	<a href="mailto:gene.mchale@dot.gov">gene.mchale@dot.gov</a>	202-493-3275	Team Leader, Transportation Enabling Technologies Team	Office of Operations Research and Development <b>Transportation Enabling Technologies Team</b>	<ul style="list-style-type: none"> <li>• Provide technical direction</li> <li>• Provide team management and leadership</li> <li>• Research infrastructure-related aspects to cooperative vehicle-infrastructure collision avoidance systems</li> <li>• Conduct research on vehicle-infrastructure integration</li> </ul>	Huang, X. Peter
<a href="#">McKeever, Benjamin (Ben)</a>	<a href="mailto:ben.mckeever@dot.gov">ben.mckeever@dot.gov</a>	202-493-3270	Team Leader, Transportation Operations Applications Team	Office of Operations Research and Development <b>Transportation Operations Applications Team</b>	<ul style="list-style-type: none"> <li>• Manage and lead team</li> <li>• Provide program management and development</li> <li>• Provide technical direction</li> <li>• Conduct connected vehicles research: dynamic mobility applications (DMA) and signal phase and timing (SPaT) activities</li> <li>• Manage Cooperative Vehicle-Highway Testbed</li> </ul>	
<a href="#">Meininger, Richard C (Rick)</a>	<a href="mailto:richard.meininger@dot.gov">richard.meininger@dot.gov</a>	202-493-3191	Research Highway Engineer	Office of Infrastructure Research and Development	<ul style="list-style-type: none"> <li>• Manage: Concrete Laboratory</li> <li>• Conduct concrete materials research, and specifications</li> <li>• Conduct portland cement concrete mixture proportioning</li> <li>• Conduct aggregate research</li> <li>• Rapid test for alkali-silica</li> </ul>	Youtcheff, Jack

## Federal Highway Administration Research Roles and Responsibilities

				<b>Pavement Materials Team</b>	<p>susceptibility</p> <ul style="list-style-type: none"> <li>• Maintain portland cement concrete thermal coefficient of expansion-test method and data for Long-Term Pavement Performance database</li> <li>• Conduct fly ash research</li> </ul>	
<a href="#">Miller, Sheila</a>	<a href="mailto:sheila.miller@dot.gov">sheila.miller@dot.gov</a>	202-493-3022	Program Assistant	<b>Office of Infrastructure Research and Development Program Management</b>	<ul style="list-style-type: none"> <li>• Provide administrative support for the Office of Infrastructure Research and Development program</li> </ul>	Smith, Monique
<a href="#">Moulden, John</a>	<a href="mailto:john.moulden@dot.gov">john.moulden@dot.gov</a>	202-493-3470	National Partnership Program Manager	<b>Office of Corporate Research, Technology, and Innovation Management Research and Technology Program Development and Partnership Team</b>	<ul style="list-style-type: none"> <li>• Coordinate State Peer Exchange Program</li> <li>• Conduct research and technology program formulation in cooperation with Federal Highway Administration headquarters, field offices, and other department of transportation modes</li> <li>• Act as a liaison with Transportation Research Board Executive Committee, and American Association of State Highway and Transportation Officials Standing Committee on Research</li> <li>• Coordinate the State Planning and Research program</li> <li>• Coordinate Transportation Pooled Fund waivers</li> </ul>	Jernigan, Jack D

## Federal Highway Administration Research Roles and Responsibilities

<a href="#">Moyer, Joe</a>	<a href="mailto:joe.moyer@dot.gov">joe.moyer@dot.gov</a>	202-493-3370	Scientific Quality Assurance Manager	Office of Research, Development, and Technology <b>Program Management</b>	<ul style="list-style-type: none"> <li>• Coordinate laboratory assessments</li> <li>• Manage data quality</li> <li>• Manage peer reviews</li> </ul>	
<a href="#">Munley, Eric P</a>	<a href="mailto:eric.munley@dot.gov">eric.munley@dot.gov</a>	202-493-3046	Research Structural Engineer	Office of Infrastructure Research and Development <b>Hazard Mitigation Team</b>	<ul style="list-style-type: none"> <li>• Conduct research on fiber-reinforced polymer composites</li> <li>• Conduct security assessment and training</li> <li>• Conduct research on vessel collision</li> <li>• Conduct research on bridge and tunnel security</li> <li>• Perform bridge and tunnel vulnerability assessments</li> </ul>	Duwadi, Sheila R
<a href="#">Nasabzadeh, Masoud</a>	<a href="mailto:masoud.nasabzadeh@dot.gov">masoud.nasabzadeh@dot.gov</a>	202-493-3047	Research Facility Technical Support Specialist	Office of Resource Management <b>Program Management</b>	<ul style="list-style-type: none"> <li>• Provide technical support to research and development activities at Turner-Fairbank Highway Research Center</li> </ul>	Condes, Jodi
<a href="#">Nguyen, Quang X</a>	<a href="mailto:quang.nguyen@dot.gov">quang.nguyen@dot.gov</a>	202-493-3298	Accountant/Financial Manager	Office of Resource Management <b>Program Management</b>	<ul style="list-style-type: none"> <li>• Provide financial management support for Office of Research, Development, and Technology</li> <li>• Coordinate and provide the National Science Foundation annual report</li> </ul>	Shehade, Christopher E
<a href="#">Nicks, Jennifer E</a>	<a href="mailto:jennifer.nicks@dot.gov">jennifer.nicks@dot.gov</a>	202-493-3075	Research Geotechnical Engineer	Office of Infrastructure Research and Development <b>Bridge and Foundation Engineering Team</b>	<ul style="list-style-type: none"> <li>• Perform geotechnical engineering studies</li> <li>• Conduct research on soil mechanics and soil dynamics analysis and modeling</li> </ul>	Adams, Michael Thomas

## Federal Highway Administration Research Roles and Responsibilities

<a href="#">Obenberger, Jon</a>	<a href="mailto:jon.obenberger@dot.gov">jon.obenberger@dot.gov</a>	202-493-3265	Transportation Operations Engineer	Office of Operations Research and Development <b>Transportation Enabling Technologies Team</b>	<ul style="list-style-type: none"> <li>• Manage Connected Vehicle Data Sets</li> <li>• Manage Data Capture and Management Program Outreach</li> <li>• Support Data Capture and Management Program Initiatives</li> <li>• Support Connected Vehicle Freeway Related Application Development</li> </ul>	McHale, Gene M
<a href="#">Ocel, Justin</a>	<a href="mailto:justin.ocel@dot.gov">justin.ocel@dot.gov</a>	202-493-3080	Structural Steel Research Program Manager	Office of Infrastructure Research and Development <b>Bridge and Foundation Engineering Team</b>	<ul style="list-style-type: none"> <li>• Conduct research on steel structures</li> <li>• Conduct research on high-performance steel</li> <li>• Develop steel specifications</li> <li>• Conduct research on steel fabrication and erection</li> <li>• Perform structural testing</li> <li>• Participate on Bridge of the Future initiative</li> </ul>	
<a href="#">Olivera, Lucia</a>	<a href="mailto:lucia.olivera@dot.gov">lucia.olivera@dot.gov</a>	202-493-3320	Senior Legislative and Budget Analyst	Office of Corporate Research, Technology, and Innovation Management <b>Research and Technology Program Development and Partnership Team</b>	<ul style="list-style-type: none"> <li>• Develop research and technology budget and budget delivery plan</li> <li>• Develop and review reauthorization legislative proposals</li> <li>• Develop research and technology legislative implementation plan</li> <li>• Coordinate responses for comments on legislative proposals, congressional hearings, Office of Inspector General reports, and Government Accountability</li> </ul>	Jernigan, Jack D



## Federal Highway Administration Research Roles and Responsibilities

					Office reports	
					<ul style="list-style-type: none"> <li>• Manage the Small Business Innovative Research program</li> </ul>	
<a href="#">Pagan-Ortiz, Jorge E</a>	<a href="mailto:jorge.pagan@dot.gov">jorge.pagan@dot.gov</a>	202-493-3021	Director	Office of Infrastructure Research and Development <b>Program Management</b>	<ul style="list-style-type: none"> <li>• Provide program direction and guidance for the Office of Infrastructure Research and Development</li> <li>• Consolidate research, development, and technology multiyear needs, programs, and budget</li> <li>• Advance the National Partnership Initiative</li> <li>• Provide development of corporate management strategies</li> </ul>	<b>Backup 1</b> Richter, Cheryl Allen <b>Backup 2</b> Friedland, Ian M
<a href="#">Pamplin, David</a>	<a href="mailto:david.pamplin@dot.gov">david.pamplin@dot.gov</a>	202-493-3166	Transportation Pooled Fund Program Manager	Office of Corporate Research, Technology, and Innovation Management <b>Research and Technology Program Development and Partnership Team</b>	<ul style="list-style-type: none"> <li>• Promote, administer, and manage the Transportation Pooled Fund Program</li> <li>• Act as the Federal Highway Administration liaison for select transportation pooled fund projects</li> <li>• Provide and coordinate Transportation Pooled Fund Program communications</li> <li>• Conduct briefings and trainings on Transportation Pooled Fund Program</li> <li>• Coordinate with the American Association of State Highway and Transportation Officials Technology Implementation Group</li> <li>• Provide support to Strategic Highway Research Program 2 (SHRP2)</li> </ul>	Jernigan, Jack D

## Federal Highway Administration Research Roles and Responsibilities

<a href="#">Peters, Joseph I (Joe)</a>	<a href="mailto:joe.peters@dot.gov">joe.peters@dot.gov</a>	202-493-3269	Director	Office of Operations Research and Development <b>Program Management</b>	<ul style="list-style-type: none"> <li>• Lead the Office of Operations Research and Development</li> <li>• Oversee transportation management and operations improvement through research, development, and testing</li> <li>• Identify future opportunities</li> <li>• Develop Federal Highway Administration operations and management research and development program</li> <li>• Provide advocacy for a nationally coordinated operations research and development program</li> <li>• Track research and development programs and projects</li> </ul>	Ferlis, Robert A (Bob)
<a href="#">Petros, Katherine A</a>	<a href="mailto:katherine.petros@dot.gov">katherine.petros@dot.gov</a>	202-493-3154	Team Leader, Infrastructure Analysis and Construction Team	Office of Infrastructure Research and Development <b>Infrastructure Analysis and Construction Team</b>	<ul style="list-style-type: none"> <li>• Act as team leader</li> <li>• Conduct research on pavement design and performance modeling</li> <li>• Conduct research for Mechanistic-Empirical Pavement Design Guide</li> <li>• Conduct research on mechanistic performance prediction models</li> <li>• Conduct research on performance-related specifications</li> </ul>	Sivaneswaran, Nadarajah (Siva)
				Office of Safety Research and	<ul style="list-style-type: none"> <li>• Develop, manage, and coordinate safety and operations human factors research</li> </ul>	

## Federal Highway Administration Research Roles and Responsibilities

<a href="#">Philips, Brian</a>	<a href="mailto:brian.philips@dot.gov">brian.philips@dot.gov</a>	202-493-3468	Research Psychologist	Development <b>Human Factors Team</b>	<ul style="list-style-type: none"> <li>• Manage driving simulation, field, and naturalistic driving research</li> <li>• Manage research on driver distraction, visual behavior, and roadway information</li> </ul>	Yang, David
<a href="#">Pol, James</a>	<a href="mailto:james.pol@dot.gov">james.pol@dot.gov</a>	202-493-3371	Technical Director, Safety Research and Development	Office of Safety Research and Development <b>Technical Direction and Coordination</b>	<ul style="list-style-type: none"> <li>• Provide technical direction, management, and coordination for the safety research and development program</li> <li>• Identify national highway safety research and development needs</li> <li>• Coordinate advanced research, applied research, and technology facilitation activities to improve highway safety</li> <li>• Coordinate research and development activities for the Highway Safety Manual</li> </ul>	<b>Backup 1</b> Evans, Monique R <b>Backup 2</b> Cobb, Lincoln
<a href="#">Porter, Jonathan</a>	<a href="mailto:jonathon.porter@dot.gov">jonathon.porter@dot.gov</a>	202-493-3038	Chief Scientist	Office of Research, Development, and Technology <b>Program Management</b>	<ul style="list-style-type: none"> <li>• Conduct strategic planning for Turner-Fairbank Highway Research Center</li> <li>• Coordinate research and development at Turner-Fairbank Highway Research Center</li> <li>• Provide guidance for exploratory advanced research at Turner-Fairbank Highway Research Center</li> </ul>	Richter, Cheryl Allen
					<ul style="list-style-type: none"> <li>• Formulate agency-wide and office-wide pavement research goals and objectives</li> <li>• Recommend pavement research and technology policies and short-and</li> </ul>	

## Federal Highway Administration Research Roles and Responsibilities

<a href="#">Richter, Cheryl Allen</a>	<a href="mailto:cheryl.richter@dot.gov">cheryl.richter@dot.gov</a>	202-493-3070	Assistant Director, Pavements Research and Development	Office of Infrastructure Research and Development <b>Program Management</b>	<p>long-range strategies</p> <ul style="list-style-type: none"> <li>• Manage the conduct of pavement in-house and contract research, and oversee operation of pavement laboratory facilities</li> <li>• Facilitate communication and coordination with other Federal Highway Administration offices, external partners, and stakeholders</li> <li>• Supervise Office of Infrastructure Research and Development pavement staff</li> <li>• Assist office director in the management and administration of Office of Infrastructure Research and Development activities.</li> </ul>	Friedland, Ian M
<a href="#">Schmidt, Tim</a>	<a href="mailto:tim.schmidt@dot.gov">tim.schmidt@dot.gov</a>	202-493-3053	Information Technology Senior Advisor	Office of Research, Development, and Technology <b>Program Management</b>	<ul style="list-style-type: none"> <li>• Consult and advise on strategic information technology (IT) resources and investments at the Turner Fairbank Highway Research Center (TFHRC)</li> <li>• Provide expertise and guidance to research, development, and technology (RD&amp;T) leadership for making IT investment decisions based on strategic priorities, long term plans, and core capabilities</li> <li>• Coordinate a more integrated and comprehensive IT plan for TFHRC</li> </ul>	

## Federal Highway Administration Research Roles and Responsibilities

<a href="#">Shehade, Christopher E</a>	<a href="mailto:chris.shehade@dot.gov">chris.shehade@dot.gov</a>	202-493-3179	Senior Financial Manager	Office of Resource Management <b>Program Management</b>	<ul style="list-style-type: none"> <li>• Act as the funds certifying official for the Office of Research, Development, and Technology</li> <li>• Provide financial management and consultation to the Research and Technology Leadership Team and the Transportation Pooled Fund Program</li> </ul>	Nguyen, Quang X
<a href="#">Sherwood, James A</a>	<a href="mailto:jim.sherwood@dot.gov">jim.sherwood@dot.gov</a>	202-493-3150	Highway Research Engineer	Office of Infrastructure Research and Development <b>Infrastructure Analysis and Construction Team</b>	<ul style="list-style-type: none"> <li>• Conduct research on portland cement concrete pavement design and performance</li> <li>• Conduct research on portland cement concrete pavement maintenance and rehabilitation</li> <li>• Participate on Mechanistic-Empirical Pavement Design Guide Implementation Team</li> <li>• Conduct research on traffic and loading analysis</li> <li>• Conduct research on concrete performance prediction modeling</li> <li>• Conduct research on ultra-thin whitetopping</li> </ul>	Petros, Katherine A
<a href="#">Shurbutt, Jim</a>	<a href="mailto:jimmy.shurbutt@dot.gov">jimmy.shurbutt@dot.gov</a>	202-493-3420	Research Psychologist	Office of Safety Research and Development <b>Human Factors Team</b>	<ul style="list-style-type: none"> <li>• Develop, manage, and coordinate safety and operations human factors research</li> <li>• Manage driving simulation, field, and naturalistic driving research</li> <li>• Manage research on driver distraction, visual behavior,</li> </ul>	Yang, David

## Federal Highway Administration Research Roles and Responsibilities

					and roadway information	
<a href="#">Sivaneswaran, Nadarajah (Siva)</a>	<a href="mailto:nadarajah.sivaneswaran@dot.gov">nadarajah.sivaneswaran@dot.gov</a>	202-493-3147	Highway Research Engineer	Office of Infrastructure Research and Development <b>Infrastructure Analysis and Construction Team</b>	<ul style="list-style-type: none"> <li>• Conduct research on pavement performance modeling</li> <li>• Conduct research on pavement management systems</li> <li>• Conduct research on remaining service life</li> <li>• Perform life cycle cost analysis</li> <li>• Conduct research on mechanistic analysis of pavement structures</li> <li>• Conduct research on performance prediction modeling</li> <li>• Conduct construction analysis for pavement rehabilitation strategies development</li> <li>• Conduct research on composite pavements</li> </ul>	Petros, Katherine A
<a href="#">Sixbey, Dennis G</a>	<a href="mailto:dennis.sixbey@dot.gov">dennis.sixbey@dot.gov</a>	202-493-3078	Research Materials Engineer	Office of Infrastructure Research and Development <b>Pavement Materials Team</b>	<ul style="list-style-type: none"> <li>• Provide laboratory services support</li> <li>• Conduct research on surface characteristics</li> <li>• Conduct research on portland cement concrete pavement materials</li> </ul>	Youtcheff, Jack
<a href="#">Smith, Monique</a>	<a href="mailto:monique.smith.ctr@dot.gov">monique.smith.ctr@dot.gov</a>	202-493-3143	Administrative Assistant	Office of Infrastructure Research and Development <b>Program Management</b>	<ul style="list-style-type: none"> <li>• Perform administrative support.</li> </ul>	

## Federal Highway Administration Research Roles and Responsibilities

<a href="#">Springer, Jack H</a>	<a href="mailto:jack.springer@dot.gov">jack.springer@dot.gov</a>	202-493-3144	Highway Research Engineer	Office of Infrastructure Research and Development <b>Long-Term Pavement Performance Team</b>	<ul style="list-style-type: none"> <li>• Conduct Long-Term Pavement Performance field operations</li> <li>• Perform Long-Term Pavement Performance materials testing and seasonal monitoring data</li> <li>• Provide Long-Term Pavement Performance distress data collection</li> <li>• Provide Long-Term Pavement Performance automated weather stations</li> <li>• Manage the Long-Term Pavement Performance Materials Reference Laboratory</li> <li>• Act as the Secretary of the American Association of State Highway and Transportation Officials' Subcommittee on Materials</li> <li>• Provide resilient modulus and material testing</li> </ul>	Lopez, Aramis
<a href="#">Tan, Carol H</a>	<a href="mailto:carol.tan@dot.gov">carol.tan@dot.gov</a>	202-493-3315	Team Leader, Safety Data and Analysis Team	Office of Safety Research and Development <b>Safety Data and Analysis Team</b>	<ul style="list-style-type: none"> <li>• Manage Highway Safety Information System</li> <li>• Manage highway safety data and analysis research</li> <li>• Manage safety management systems research</li> <li>• Coordinate development of Model Minimum Inventory of Roadway Elements</li> <li>• Co-manage Motorcycle Crash Causation Study</li> </ul>	<b>Backup 1</b> Amjadi, Roya <b>Backup 2</b> Thor, Craig

## Federal Highway Administration Research Roles and Responsibilities

<a href="#">Thor, Craig</a>	<a href="mailto:craig.thor@dot.gov">craig.thor@dot.gov</a>	202-493-3338	Research Civil Engineer (Highway)	Office of Safety Research and Development <b>Safety Data and Analysis Team</b>	<ul style="list-style-type: none"> <li>• Co-manage Motorcycle Crash Causation Study</li> <li>• Manage development of geographic information systems safety applications</li> <li>• Manage and conduct highway safety analysis</li> <li>• Manage safety management research</li> <li>• Manage countermeasure evaluations</li> </ul>	Tan, Carol H
<a href="#">Trentacoste, Michael F</a>	<a href="mailto:michael.trentacoste@dot.gov">michael.trentacoste@dot.gov</a>	202-493-3259	Associate Administrator for Research, Development, and Technology (RD&T)/Director of Turner-Fairbank Highway Research Center (TFHRC)	Office of Research, Development, and Technology <b>Program Management</b>	<ul style="list-style-type: none"> <li>• Provide national highway research and technology leadership and coordination</li> <li>• Manage and coordinate research, technology, and innovation deployment</li> <li>• Advance the deployment of new technologies and innovations</li> <li>• Oversee the management of the Turner-Fairbank Highway Research Center</li> </ul>	Peters, Joseph I (Joe)
VACANT			Administrative Management Specialist	Office of Resource Management <b>Program Management</b>	<ul style="list-style-type: none"> <li>• Coordinate training and travel</li> <li>• Act as point of contact for the Freedom of Information Act (FOIA) for Office of Research, Development, and Technology</li> </ul>	Condes, Jodi
					<ul style="list-style-type: none"> <li>• Manage the advanced crash analysis program</li> <li>• Monitor changing roadside safety trends and contributing factors</li> <li>• Develop and execute roadside safety research and</li> </ul>	



## Federal Highway Administration Research Roles and Responsibilities

VACANT			Research Highway Safety Specialist	Office of Safety Research and Development <b>Roadway Team</b>	<p>development plan and disseminate results</p> <ul style="list-style-type: none"> <li>● Manage development and maintenance of finite element models of vehicles and roadside elements for crash simulation</li> <li>● Support efforts related to updating national crashworthiness standards</li> <li>● Manage evaluations of roadside hardware effectiveness</li> <li>● Manage research to analyze and design physical infrastructure protection</li> </ul>	
VACANT			Communication Specialist/Transportation Specialist	Office of Corporate Research, Technology, and Innovation Management <b>Innovation Management and Communications Team</b>	<ul style="list-style-type: none"> <li>● Act as the creative director of Public Roads magazine</li> <li>● Coordinate communications/publications support services</li> <li>● Provide communications and graphic consultation</li> <li>● Act as the Federal Highway Administration R&amp;T Now newsletter editor</li> </ul>	McCrae, TaMara
VACANT			Strategic Planning and Program Evaluation Lead/Program Analyst	Office of Corporate Research, Technology, and Innovation Management <b>Research and Technology Program Development and Partnership Team</b>	<ul style="list-style-type: none"> <li>● Coordinate research and technology strategic planning</li> <li>● Conduct research and technology performance planning and performance metrics development</li> <li>● Serve as focal point for coordinating research and technology intellectual property issues</li> </ul>	Jernigan, Jack D

## Federal Highway Administration Research Roles and Responsibilities

VACANT			Structural Concrete Research Program Manager	Office of Infrastructure Research and Development <b>Bridge and Foundation Engineering Team</b>	<ul style="list-style-type: none"> <li>• Conduct research on high-performance concrete</li> <li>• Conduct research on ultra high-performance concrete</li> <li>• Perform structural testing</li> <li>• Conduct research on concrete structures</li> <li>• Participate in Bridge of the Future initiative</li> <li>• Develop concrete specifications</li> </ul>	Graybeal, Benjamin A (Ben)
VACANT			Research Structural Engineer	Office of Infrastructure Research and Development <b>Hazard Mitigation Team</b>	<ul style="list-style-type: none"> <li>• Conduct seismic research</li> <li>• Work with bridge seismic instrumentation</li> <li>• Conduct research on seismic vulnerability</li> <li>• Conduct multihazard analysis of highway structures</li> <li>• Participate in international research collaboration in bridge seismic design and retrofitting</li> </ul>	Duwadi, Sheila R
VACANT			Long-Term Bridge Performance Program Manager	Office of Infrastructure Research and Development <b>Infrastructure Management Team</b>	<ul style="list-style-type: none"> <li>• Manage the Long-Term Bridge Performance Program</li> <li>• Conduct bridge inspection, evaluation, testing, and asset management research</li> <li>• Conduct research on structural health monitoring</li> </ul>	<b>Backup 1</b> Ghasemi, Hamid <b>Backup 2</b> Friedland, Ian M
				Office of	<ul style="list-style-type: none"> <li>• Manage: Nondestructive Evaluation Program and Laboratory</li> <li>• Develop bridge inspection, evaluation, and load rating</li> </ul>	

## Federal Highway Administration Research Roles and Responsibilities

VACANT			Nondestructive Evaluation Program and Laboratory Manager	Infrastructure Research and Development <b>Infrastructure Management Team</b>	<p>technologies</p> <ul style="list-style-type: none"> <li>● Conduct research on nondestructive evaluation technologies for bridges and other infrastructure</li> <li>● Provide technical advice and perform field investigation of bridge performance using nondestructive evaluation technologies</li> </ul>	Ghasemi, Hamid
VACANT			Highway Research Engineer	Office of Operations Research and Development <b>Transportation Operations Concepts and Analysis Team</b>	<ul style="list-style-type: none"> <li>● Conduct research on traffic analysis and simulation tools</li> <li>● Conduct research on driver choice and behavior modeling</li> <li>● Conduct modeling and analysis of inclement weather's impact on traffic</li> <li>● Perform intelligent transportation systems deployment analysis</li> <li>● Conduct advanced transportation research</li> <li>● Conduct research on corridor and network operations</li> <li>● Perform CORridor SIMulation (CORSIM) studies</li> <li>● Conduct research on vehicle safety systems</li> </ul>	Bared, Joe
				Office of Operations Research and	<ul style="list-style-type: none"> <li>● Conduct research utilizing global positioning system</li> <li>● Conduct research on dedicated short-range communication</li> <li>● Provide spectrum management</li> </ul>	

## Federal Highway Administration Research Roles and Responsibilities

VACANT			ITS Research Specialist	Research and Development <b>Transportation Enabling Technologies Team</b>	<ul style="list-style-type: none"> <li>• Conduct research on the nationwide differential global positioning system and high-accuracy nationwide differential global positioning system</li> <li>• Provide technical support to intelligent transportation systems communications systems</li> </ul>	
VACANT			Highway Research Engineer	Office of Safety Research and Development <b>Roadway Team</b>	<ul style="list-style-type: none"> <li>• Develop, manage, and coordinate geometric design and safety research</li> <li>• Manage development of safety analysis tools, including the Interactive Highway Safety Design Model (IHSDM)</li> <li>• Manage technical assistance for the Highway Safety Manual</li> <li>• Coordinate rural and local roads research and development</li> </ul>	Chen, Shyuan-Ren (Clayton)
VACANT			Program Analyst	Office of Corporate Research, Technology, and Innovation Management <b>Research and Technology Program Development and Partnership Team</b>	<ul style="list-style-type: none"> <li>• Support Partnership Activities with States and with Other Federal Agencies</li> </ul>	Jernigan, Jack D

## Federal Highway Administration Research Roles and Responsibilities

VACANT			Pavement Research Engineer	Office of Infrastructure Research and Development <b>Pavement Materials Team</b>	<ul style="list-style-type: none"> <li>• Conduct pavement-related research</li> </ul>	Youtcheff, Jack
VACANT			Engineering Research Psychologist	Office of Safety Research and Development <b>Human Factors Team</b>	<ul style="list-style-type: none"> <li>• Human factors research related to roadway and weather</li> <li>• Behavior research utilizing various data sources</li> </ul>	Yang, David
<a href="#">VanGorder, Randy</a>	<a href="mailto:randall.vangorder@dot.gov">randall.vangorder@dot.gov</a>	202-493-3266	Highway Research Engineer	Office of Operations Research and Development <b>Transportation Operations Concepts and Analysis Team</b>	<ul style="list-style-type: none"> <li>• Perform Traffic Management Center Pooled Fund Study (TMC PFS)</li> <li>• Perform Traffic Analysis and Simulation Pooled Fund Study (TAS PFS)</li> <li>• Conduct research on dynamic traffic assignment (DTA)</li> <li>• Manage the Saxton Transportation Operations Laboratory (TOL)</li> </ul>	Bared, Joe
<a href="#">Vanlandingham, Dawn</a>	<a href="mailto:dawn.vanlandingham@dot.gov">dawn.vanlandingham@dot.gov</a>	202-493-3198	Information Management Specialist/Transportation Specialist	Office of Corporate Research, Technology, and Innovation Management <b>Innovation Management and Communications Team</b>	<ul style="list-style-type: none"> <li>• Coordinate and manage the research and technology and Turner-Fairbank Highway Research Center Web sites</li> <li>• Coordinate and develop SharePoint and research and technology intranet sites</li> <li>• Provide consultation for research and technology multimedia and Web publishing</li> <li>• Provide communications and Web consultation</li> <li>• Coordinate research and technology copyright and</li> </ul>	Williams, Lisa A.

## Federal Highway Administration Research Roles and Responsibilities

<a href="#">Virmani, Paul</a>	<a href="mailto:paul.virmani@dot.gov">paul.virmani@dot.gov</a>	202-493-3052	Manager: Coating and Corrosion Program and Laboratory	Office of Infrastructure Research and Development <b>Infrastructure Management Team</b>	publication reprint permission <ul style="list-style-type: none"> <li>• Conduct research on corrosion protection systems</li> <li>• Conduct research on bridge deck durability</li> <li>• Conduct research on nondestructive tools for corrosion detection</li> <li>• Conduct research on cathodic protection systems</li> <li>• Conduct research on corrosion resistant reinforcement</li> <li>• Conduct research on corrosion resistant structural steel</li> <li>• Conduct research on alkali-silica reactivity</li> </ul>	Ghasemi, Hamid
<a href="#">Walker, Deborah M</a>	<a href="mailto:deborah.walker@dot.gov">deborah.walker@dot.gov</a>	202-493-3068	Highway Research Engineer	Office of Infrastructure Research and Development <b>Long-Term Pavement Performance Team</b>	<ul style="list-style-type: none"> <li>• Conduct Long-Term Pavement Performance traffic activities</li> <li>• Provide Long-Term Pavement Performance communications</li> <li>• Conduct specific Pavement Studies Traffic Pooled Fund Study</li> <li>• Maintain Long-Term Pavement Performance traffic data collection and perform Long-Term Pavement Performance traffic data forecasting and backcasting</li> <li>• Participate on Transportation Research Board Expert Task Group on Long-Term</li> </ul>	Lopez, Aramis

## Federal Highway Administration Research Roles and Responsibilities

					Pavement Performance Traffic Documentation	
<a href="#">Weaver, Eric J</a>	<a href="mailto:eric.weaver@dot.gov">eric.weaver@dot.gov</a>	202-493-3153	Highway Research Engineer	Office of Infrastructure Research and Development <b>Infrastructure Analysis and Construction Team</b>	<ul style="list-style-type: none"> <li>● Perform computation resources management</li> <li>● Manage Asphalt Research Consortium</li> <li>● Conduct research on pavement analysis techniques</li> <li>● Conduct research on tire-pavement interaction</li> <li>● Conduct research on geosynthetics in pavements</li> </ul>	Petros, Katherine A
<a href="#">Williams, Lisa A</a>	<a href="mailto:lisa.a.williams@dot.gov">lisa.a.williams@dot.gov</a>	202-493-3375	Team Director	Office of Corporate Research, Technology, and Innovation Management <b>Innovation Management and Communications Team</b>	<ul style="list-style-type: none"> <li>● Provide overall leadership for research and technology marketing, communications, and innovation delivery</li> <li>● Provide leadership for Strategic Highway Research Program 2 implementation activities</li> <li>● Manage research and technology communications and Strategic Highway Research Program 2 policies and procedures</li> <li>● Plan communications and outreach strategies</li> <li>● Manage Federal Highway Administration processes for innovation management and delivery</li> <li>● Coordinate Research and Technology Story</li> </ul>	Kuehn, David E
					<ul style="list-style-type: none"> <li>● Oversee Long-Term Pavement Performance Program Customer Support Service Center</li> </ul>	

## Federal Highway Administration Research Roles and Responsibilities

<p><a href="#">Wiser, Larry J</a></p>	<p><a href="mailto:larry.wiser@dot.gov">larry.wiser@dot.gov</a></p>	<p>202-493-3079</p>	<p>Highway Research Engineer</p>	<p>Office of Infrastructure Research and Development <b>Long-Term Pavement Performance Team</b></p>	<ul style="list-style-type: none"> <li>● Perform Long-Term Pavement Performance data analysis</li> <li>● Conduct Long-Term Pavement Performance profile measurement</li> <li>● Conduct Long-Term Pavement Performance data studies and computed parameters</li> <li>● Conduct Data analysis projects and contracts</li> <li>● Participate on the Transportation Research Board Expert Task Group on Long-Term Pavement Performance operation and data analysis</li> </ul>	<p>Lopez, Aramis</p>
<p><a href="#">Wolfe, Daniel</a></p>	<p><a href="mailto:daniel.wolfe@dot.gov">daniel.wolfe@dot.gov</a></p>	<p>202-493-3186</p>	<p>Marketing and Communications Specialist</p>	<p>Office of Corporate Research, Technology, and Innovation Management <b>Innovation Management and Communications Team</b></p>	<ul style="list-style-type: none"> <li>● Provide marketing and communications coordination for Federal Highway Administration research and technology</li> <li>● Develop communications strategy and messaging for research and technology</li> </ul>	<p>Williams, Lisa A.</p>
<p><a href="#">Wright, Leslie</a></p>	<p><a href="mailto:leslie.wright@dot.gov">leslie.wright@dot.gov</a></p>	<p>202-493-3460</p>	<p>R&amp;T State Partnership Program Manager</p>	<p>Office of Corporate Research, Technology, and Innovation Management <b>Research and Technology</b></p>	<ul style="list-style-type: none"> <li>● Act as the Office of Research, Development, and Technology State Planning and Research Program, Part II Manager</li> <li>● Coordinate the State Planning and Research program</li> <li>● Coordinate Transportation Pooled Fund waivers</li> </ul>	<p>Jernigan, Jack D</p>



## Federal Highway Administration Research Roles and Responsibilities

				<b>Program Development and Partnership Team</b>	<ul style="list-style-type: none"> <li>• Coordinate research participation in Federal Highway Administration's International Program</li> <li>• Act as a quality coordinator</li> <li>• Monitor State peer exchange</li> </ul>	
<a href="#">Yang, David</a>	<a href="mailto:david.yang@dot.gov">david.yang@dot.gov</a>	202-493-3284	Team Leader, Human Factors Team	Office of Safety Research and Development <b>Human Factors Team</b>	<ul style="list-style-type: none"> <li>• Develop, manage, and coordinate the human factors research program (safety and operations)</li> <li>• Provide human factors technical guidance</li> <li>• Provide guidance and support to address driver distraction and connected vehicles human factors issues</li> <li>• Manage: Highway Driving Simulator</li> <li>• Manage human factors research on connected vehicle technology</li> </ul>	<b>Backup 1</b> Philips, Brian <b>Backup 2</b> Do, Ann
<a href="#">Yousuf, Mohammed</a>	<a href="mailto:mohammed.yousuf@dot.gov">mohammed.yousuf@dot.gov</a>	202-493-3199	Transportation Operations Engineer	Office of Operations Research and Development <b>Transportation Enabling Technologies Team</b>	<ul style="list-style-type: none"> <li>• Conducts research on vehicle automation, accessible transportation, and automotive control systems</li> </ul>	
<a href="#">Youtcheff, Jack</a>	<a href="mailto:jack.youtcheff@dot.gov">jack.youtcheff@dot.gov</a>	202-493-3090	Team Leader, Pavement Materials Team	Office of Infrastructure Research and Development <b>Pavement Materials Team</b>	<ul style="list-style-type: none"> <li>• Lead Pavement Materials Team</li> <li>• Conduct research on moisture sensitivity of asphalt</li> <li>• Conduct research on fundamental properties of asphalt and modified asphalt</li> <li>• Conduct research on asphalt</li> </ul>	Arnold, Terry

## Federal Highway Administration Research Roles and Responsibilities

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<a href="#">Yumlu, Beth</a>	<a href="mailto:beth.yumlu@dot.gov">beth.yumlu@dot.gov</a>	202-493-3316	Project Management System Specialist	Office of Resource Management <b>Program Management</b>	<ul style="list-style-type: none"> <li>• Act as project manager for the implementation of the Office of Research, Development, and Technology Program Management Support System</li> </ul>	Condes, Jodi
<a href="#">Zhang, Wei</a>	<a href="mailto:wei.zhang@dot.gov">wei.zhang@dot.gov</a>	202-493-3317	Highway Research Engineer	Office of Safety Research and Development <b>Roadway Team</b>	<ul style="list-style-type: none"> <li>• Manage intersection safety research program</li> <li>• Manage safety and operational evaluation of alternative intersection and interchange designs</li> <li>• Manage research on advanced detection control systems for signalized intersections</li> <li>• Manage safety evaluation of access management</li> </ul>	Chen, Shyuan-Ren (Clayton)
<a href="#">Zineddin, Abdul</a>	<a href="mailto:Abdul.Zineddin@dot.gov">Abdul.Zineddin@dot.gov</a>	202-493-3288	Speed Management/Transportation Specialist	Office of Safety Research and Development <b>Roadway Team</b>	<ul style="list-style-type: none"> <li>• Manage speed management research program area</li> <li>• Perform traffic engineering and support human factors research related to visibility</li> <li>• Manage research on roadway lighting</li> <li>• Coordinate pavement marking retroreflectivity research</li> </ul>	Chen, Shyuan-Ren (Clayton)
<a href="#">Zobel, Robert</a>	<a href="mailto:robert.zobel@dot.gov">robert.zobel@dot.gov</a>	202-493-3024	Long-Term Bridge Performance Program - Development, Administrative, and Outreach Manager	Office of Infrastructure Research and Development <b>Infrastructure Management Team</b>	<ul style="list-style-type: none"> <li>• Manage the development, administrative, and outreach activities for the Long-Term Bridge Performance Program</li> <li>• Conduct research for the Long-Term Bridge Performance Program</li> <li>• Conduct research on bridge</li> </ul>	<b>Backup 1</b> Lane, Susan <b>Backup 2</b> Ghasemi, Hamid

# Federal Highway Administration Research Roles and Responsibilities

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