

Spring 2006

ROADS

Turner-Fairbank Highway Research Center

Organizational and Expertise Directory



U.S. Department of Transportation
Federal Highway Administration

Office of Research, Development, and Technology

Federal Highway Administration

Office of Research, Development, and Technology
Turner-Fairbank Highway Research Center
6300 Georgetown Pike, McLean, VA 22101



The Federal Highway Administration (FHWA) Office of Research, Development, and Technology (RD&T) is organized into 8 offices with 15 teams of experts in more than 30 transportation-related disciplines. Three research and development (R&D) offices—Operations, Safety, and Infrastructure—conduct R&D to continually improve highway operations and intelligent transportation systems (ITS), safety, and infrastructure, respectively. The Office of Program Development and Evaluation

Who we are and what we do

develops and executes policy, budget, program management, and administrative mechanisms to help FHWA carry out a nationwide research and technology (R&T) program. The Office of Research and Technology Services develops and executes a comprehensive RD&T communications strategy and marketing plan that supports FHWA R&T programs and technology transfer and delivery. The Office of Resource Management provides administrative services for RD&T.

RD&T also manages the FHWA R&T Program, which directly supports the goals of the U.S. Department of Transportation (USDOT) to invest strategically in transportation infrastructure, promote safe and secure

transportation, enhance our environment, and create new alliances between the Nation's transportation and technology industries. The Office of Corporate Research and Technology supports the FHWA R&T Program.

In virtually everything we do, we coordinate and/or collaborate extensively with other FHWA and DOT offices, State and local government partners, academic organizations, companies in the industry, military research offices, and professional organizations. In an effort to involve stakeholders and partners, and improve RD&T, FHWA is implementing a Corporate Master Plan that centers around Agency commitments and principles.

See RD&T fiscal year (FY) 2004 product and service descriptions and year-end statuses in the *Office of Research, Development, and Technology FY 2004 Performance Report*. Find a listing and descriptions of FY 2004–05 products and services in the *RD&T FY 2006/2007 Performance Plan*. The performance plan and report are available on the Turner-Fairbank Highway Research Center (TFHRC) Web site (www.tfhrc.gov).

We are proud of our contributions, products, and services that quickly and cost-effectively accelerate and transform new technologies and concepts into better transportation systems, processes, and services. With our partners, we improve our national quality of life. To be successful, we must respond to the needs of our national transportation system and its users—society at large. We meet the challenge by constantly emphasizing and demonstrating innovation.

RESEARCH THAT IS ESSENTIAL, INDISPENSABLE, AND CONNECTED TO OUR CUSTOMERS.

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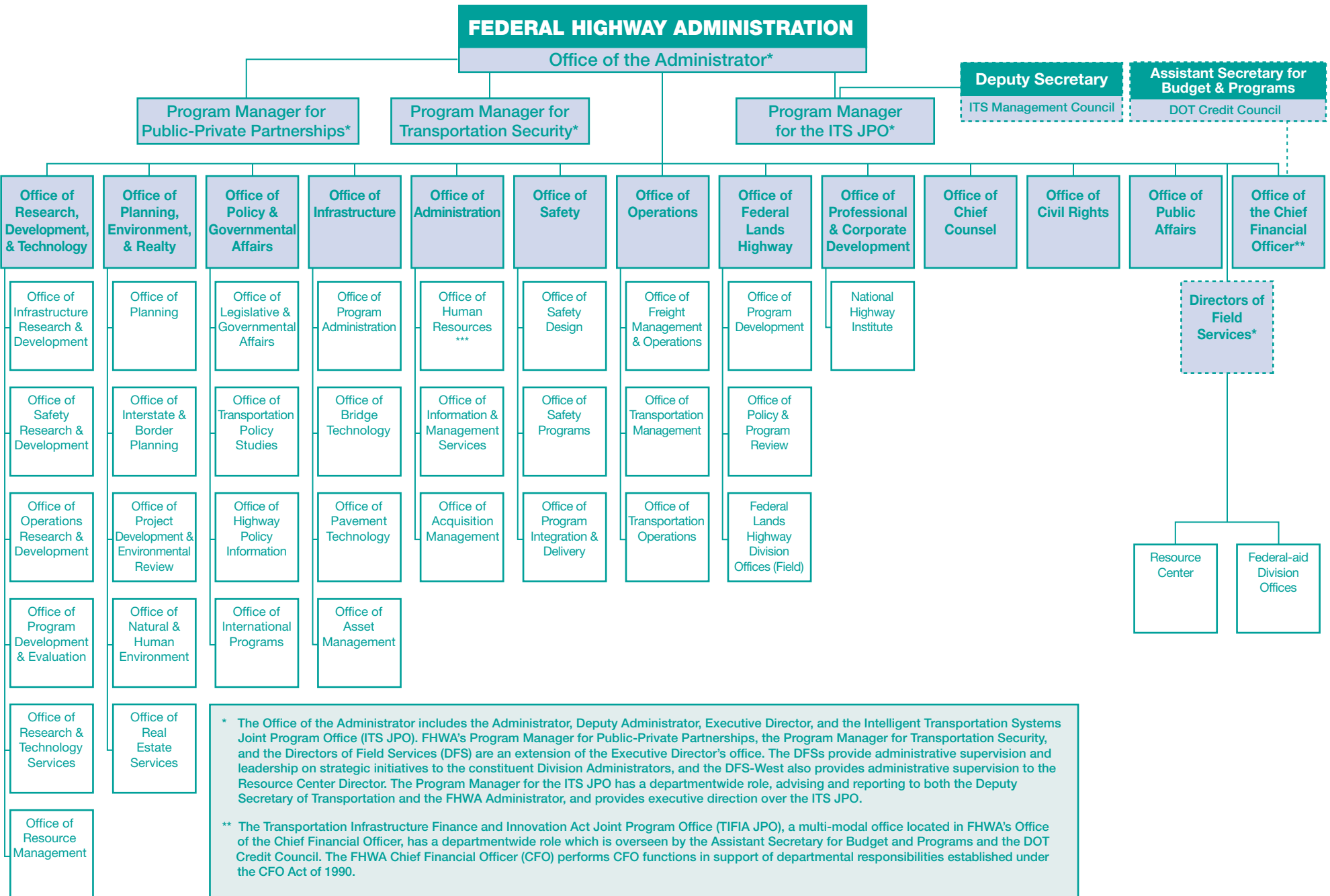
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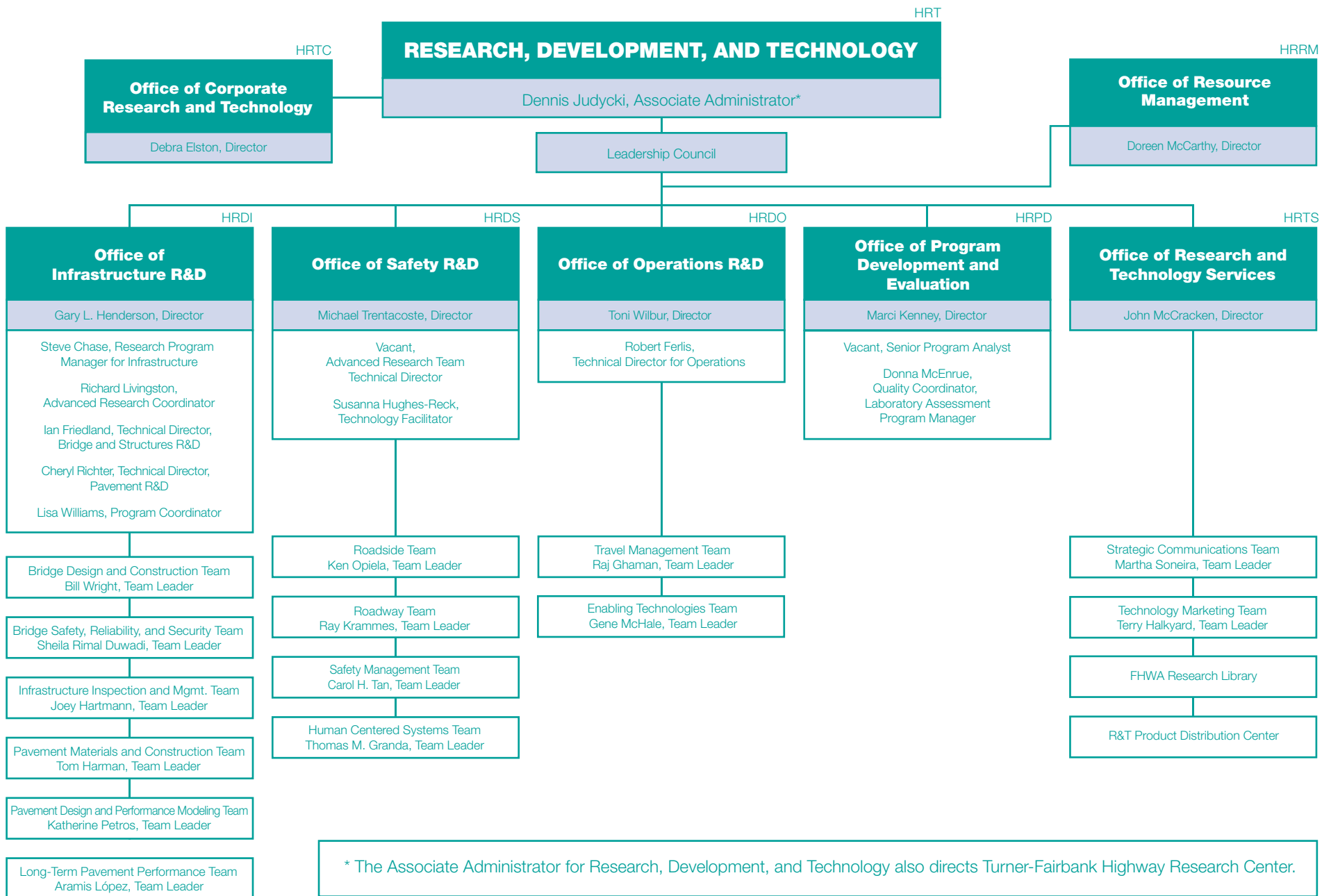
Shuttle Schedule



* The Office of the Administrator includes the Administrator, Deputy Administrator, Executive Director, and the Intelligent Transportation Systems Joint Program Office (ITS JPO). FHWA's Program Manager for Public-Private Partnerships, the Program Manager for Transportation Security, and the Directors of Field Services (DFS) are an extension of the Executive Director's office. The DFSs provide administrative supervision and leadership on strategic initiatives to the constituent Division Administrators, and the DFS-West also provides administrative supervision to the Resource Center Director. The Program Manager for the ITS JPO has a departmentwide role, advising and reporting to both the Deputy Secretary of Transportation and the FHWA Administrator, and provides executive direction over the ITS JPO.

** The Transportation Infrastructure Finance and Innovation Act Joint Program Office (TIFIA JPO), a multi-modal office located in FHWA's Office of the Chief Financial Officer, has a departmentwide role which is overseen by the Assistant Secretary for Budget and Programs and the DOT Credit Council. The FHWA Chief Financial Officer (CFO) performs CFO functions in support of departmental responsibilities established under the CFO Act of 1990.

*** The DOT Automated Staffing Group, which is organizationally located within FHWA's Office of Human Resources, serves as the Department's "executive agent" for providing "one-stop" employment services to all job applicants applying for positions advertised through the DOT automated staffing system. Working with modal human resources offices, this Group provides automated staffing, delegated examining unit, and related human resources services.



* The Associate Administrator for Research, Development, and Technology also directs Turner-Fairbank Highway Research Center.

Office of the Associate Administrator

Fax: 202-493-3170

Office of the Associate Administrator, HRT-1

Dennis Judycki

Associate Administrator/Director of TFHRC

202-493-3999 · dennis.judycki@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- National Highway Research and Technology (R&T) Partnership leadership development and coordination
- Corporate facilitation and coordination of research, technology, and innovation deployment
- Advancement of Agency's strategic mission and role of "Innovators for a Better Future"

BACKUP PERSON

Michael Trentacoste

Jean Landolt

Secretary

202-493-3999 · jean.landolt@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- Administrative support

MAJOR PROJECTS

- Office management

BACKUP PERSON

Elke Lower

Office of Corporate Research and Technology

Fax: 202-493-3475

Office of Corporate Research and Technology, HRTC-01

Debra Elston

Director

202-493-3181 · debra.elston@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- FHWA leadership liaison to “Raise the Bar” on research and deployment of technology and innovation (T&I)

MAJOR PROJECTS

- FHWA *Corporate Master Plan for Research and Deployment of T&I*
- Leadership and communication for Corporate Master Plan

BACKUP PERSON

Joe Conway

Danielle E. Tope

Administrative Assistant (Contractor)

202-493-3190 · danielle.tope@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- Administrative and team support for corporate R&T

MAJOR PROJECTS

- Support advanced research agenda project
- Support integrated information system
- Support Office Director

John F. Munro

Research and Technology Systems Analyst

202-493-3368 · john.munro@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- R&T Information System
- Technology deployment
- Peer Review Liaison to the Office of the Secretary of Transportation/Research and Innovative Technology Administration

MAJOR PROJECTS

- Corporate R&T Report
- Technology deployment
- FHWA Corporate Research and Technology Web site
- Scientific Peer Review support

BACKUP PERSON

Joe Conway

Transportation Specialist

202-493-3186 · joe.conway@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- Implementing the FHWA *Corporate Master Plan for Research and Deployment of T&I*

MAJOR PROJECTS

- Research and Technology Multiyear Plans (Roadmaps)
- University Transportation Center Research coordination

BACKUP PERSON

Debra Elston

TaMara McCrae

Communications and Marketing Specialist

202-493-3382 · tamara.mccrae@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- Corporate R&T communications
- Technology deployment

MAJOR PROJECTS

- Communications plan development
- Priority, Market-Ready Technologies and Innovations communication and marketing materials

BACKUP PERSON

John F. Munro

Ariam Asmerom

Transportation Specialist

202-493-3469 · ariam.asmerom@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- FHWA advanced research program development

MAJOR PROJECTS

- Advanced research process and plan
- Research partnerships

BACKUP PERSON

Joe Conway

Office of Resource Management

Fax: 202-493-3478

Office of Resource Management, HRRM-01

Doreen McCarthy

Director

202-493-3175 · doreen.mccarthy@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- Director

MAJOR PROJECTS

- Leadership in management planning and TFHRC business operations

BACKUP PERSON

Vacant

Angela Lee

Administrative Assistant (Contractor)

202-493-3175 · angela.lee@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- Office operations and support
- Purchase Request tracking
- Assistance to Accountable Property, Employee Development, and Facility Security Activities
- TFHRC Central Telephone Information

MAJOR PROJECTS

- Office management
- Support to Administrative Management programs

Vacant

Financial Manager/Accountant

202-493-3179

PRIMARY RESPONSIBILITIES

- Financial consultation to the R&T Leadership Team
- R&T budget execution
- Financial management policy reviews

MAJOR PROJECTS

- Financial consultation on R&T funding issues and financial management of all RD&T allotments

BACKUP PERSON

Quang Nguyen

Georgia Curtis

Administrative Management Specialist

202-493-3180 · georgia.curtis@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- Activity 10/GOE allocation management
- Contract Administration of RD&T-wide support contract
- RD&T Employee Development program coordination

MAJOR PROJECTS

- Activity 10/GOE allotment financial research, reconciliation, and reporting
- COTR for RD&T Administrative support contract
- RD&T Training Coordinator

BACKUP PERSON

Vacant

Diana Martin

Program Analyst

202-493-3168 · diana.martin@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- Acquisition planning and review
- RD&T Purchase Card review and program oversight
- COTR and Purchase Card holder certification and training

MAJOR PROJECTS

- Acquisition planning, administration, and reporting
- Purchase Card Program Manager
- COTR/Purchase Card holder certification and reporting

BACKUP PERSON

Doreen McCarthy

Quang Nguyen

Accountant

202-493-3298 · quang.nguyen@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- RD&T budget execution
- Managerial Cost Accounting System implementation and continuing oversight
- Program funds review, research, and reconciliation

MAJOR PROJECTS

- Financial oversight of RD&T allotments
- COTR for Delphi reconciliation support contracts
- Managerial Cost Accounting System Management for RD&T

BACKUP PERSON

Vacant

Office of Resource Management, HRRM-01

(continued)

Masoud Nasabzadeh

Research Facility Technical Support Specialist

202-493-3047 · masoud.nasabzadeh@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- Technical support to R&D activities at TFHRC
- Contract administration of IT Support and Electronics Laboratory Contracts
- Facility reviews and strategic planning
- Emergency planning and COOP management

MAJOR PROJECTS

- COTR for RD&T-wide technical support contracts
- TFHRC Strategic Capital Investment Plan
- COOP Management
- TFHRC physical security review

BACKUP PERSON

Doreen McCarthy

Carol Roberts

Administrative Management Specialist

202-493-3185 · carol.roberts@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- Human resource management

MAJOR PROJECTS

- Human resource management and consultation
- Workforce planning
- Competitive Sourcing Program implementation

BACKUP PERSON

Doreen McCarthy

Denise Seward

Administrative Management Specialist

202-493-3471 · denise.seward@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- Accountable property inventory and records management
- Facility space management assistance
- USDOT vehicle and wireless communication device administration
- Performance measurement

MAJOR PROJECTS

- TFHRC Accountable Property Officer
- Facility Space Utilization Studies
- Performance Management Team Member

BACKUP PERSON

Masoud Nasabzadeh

Management Services Division, HAIM-20

Brian Kerr

202-493-3000 · brian.kerr@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- Facilities Manager

MAJOR PROJECTS

- Facilities operations

BACKUP PERSON

Lyle Hayhurst

Office of Program Development and Evaluation

Fax: 202-493-3170

Office of Program Development and Evaluation, HRPD-01

Marci Kenney

Director

202-493-3166 · marci.kenney@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- Overall leadership of R&T program development and evaluation
- Lead for Office of the Secretary of Transportation (OST)-level and multimodal R&T coordination
- Focal point for coordination of R&T program issues

MAJOR PROJECTS

- FHWA R&T program development and evaluation
- USDOT RD&T Program Review Working Group
- Liaison with Transportation Research Board (TRB) R&T Coordinating Committee
- Focal point for coordination of international R&T programs

BACKUP PERSON

Vacant

Administrative Assistant

202-493-3166

PRIMARY RESPONSIBILITIES

- Administrative support

MAJOR PROJECTS

- Office and meeting support

Vacant

Senior Program Analyst

202-493-3470

PRIMARY RESPONSIBILITIES

- National R&T programs
- R&T program formulation in cooperation with headquarters and field offices
- Future Strategic Highway Research Program (SHRP II)

MAJOR PROJECTS

- National Highway R&T programs
- SHRP II liaison
- Liaison with TRB Research and Technology Coordinating Committee

BACKUP PERSON

Jack Jernigan

Jack Jernigan

Transportation Specialist

202-493-3363 · jack.jernigan@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- Development of R&T budget and budget delivery plan
- Development and review of legislative proposals
- Development of R&T Legislative Implementation Plan for the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU)

MAJOR PROJECTS

- Annual R&T budget and budget delivery plan
- Legislative proposals
- Headquarters and field office coordination

BACKUP PERSON

Donna McEnrue

Quality Coordinator, Laboratory Assessment Program Manager, Research and Technology Program Analyst

202-493-3172 · donna.mcenrue@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- RD&T Leadership Council and Executive Committee Facilitator
- RD&T Quality Program Coordinator
- RD&T Laboratory Assessment Program Manager

MAJOR PROJECTS

- Leadership Council and Executive Committee Planning and Meeting Facilitation
- Annual RD&T Quality Self-Assessment coordination
- RD&T Laboratory Assessment Process coordination

BACKUP PERSON

Joe Parks

Bill Zaccagnino

Research and Technology Program Manager

202-493-3183 · william.zaccagnino@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- RD&T State Planning and Research Program Manager
- FHWA Manager for National Cooperative Highway Research Program (NCHRP)
- RD&T liaison for TRB activities
- State peer exchange program

MAJOR PROJECTS

- American Association of State Highway and Transportation Officials' (AASHTO) Standing Committee on Research and Research Advisory Committee (SCOR/RAC)
- Core Program contract with TRB
- SHRP II Cooperative Agreement with TRB
- NCHRP coordination
- Liaison for NCHRP Projects 20-5 and 20-39(2)
- State peer exchange monitoring

BACKUP PERSON

Office of Program Development and Evaluation,
HRPD-01

(continued)

Joe Parks

Research and Technology Program Analyst

202-493-3414 · jowell.parks@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- Performance planning
- Performance measures
- R&T strategic planning support
- Support for OST-level and multimodal R&T coordination
- Staff focal point for Office of Management and Budget (OMB) Program Assessment Rating Tool (PART) and interagency research program reviews
- FHWA Small Business Innovation Research (SBIR) program manager

MAJOR PROJECTS

- RD&T Performance Plan
- RD&T Performance Management Working Group
- RD&T performance measures
- FHWA input into USDOT R&D Strategic Plan
- Staff support for USDOT RD&T Program Review Working Group

BACKUP PERSON

Donna McEnrue

Vacant

Program Analyst/
Transportation Pooled Fund (TPF) Coordinator

202-493-33xx

PRIMARY RESPONSIBILITIES

- Promotion and administration of the TPF Program

MAJOR PROJECTS

- Management of TPF Program
- FHWA liaison for TPF projects
- TPF Web site updates
- TPF Program annual report
- Briefings and training on TPF Program

BACKUP PERSON

Bill Zaccagnino

Office of Research and Technology Services

John McCracken, Director

Strategic Communications Team
Martha Soneira, Team Leader

Technology Marketing Team
Terry Halkyard, Team Leader

Office of Research and Technology Services

Fax: 202-493-3475

Office of Research and Technology Services, HRTS-01

John McCracken

HRTS-01, Director

202-493-3422 · john.mccracken@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- Leadership
- Budget planning
- Communications strategy

MAJOR PROJECTS

- T&I delivery
- R&T story

BACKUP PERSON

Martha Soneira

Kimberly Williams

Administrative Assistant (Contractor)

202-493-3423 · kimberly.williams@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- Administrative support to the Office Director, Strategic Communications Team, and the Technology Marketing Team

MAJOR PROJECTS

- Office activities scheduling
- Office materials proofreading
- Correspondence control/routing organization

Strategic Communications Team, HRTS-02

Martha Soneira

Team Leader

202-493-3468 · martha.soneira@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- Communications leadership
- Budget/quality coordination
- Communications consulting
- *Public Roads* Editor-in-Chief
- *R&T Transporter* Managing Editor

MAJOR PROJECTS

- Communication support services management
- R&T marketing/communications network liaison
- Engineers Week and Future City coordination
- Office liaison for Infrastructure R&D
- CLEAR Communications Committee
- TFHRC Communication Plan

BACKUP PERSON

Paula Magoulas

Paula Magoulas

Transportation Specialist

202-493-3398 · paula.magoulas@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- Communication Projects Coordinator
- Communication Support Service Coordinator
- Communication/graphic consultation
- *Public Roads* Creative Director

MAJOR PROJECTS

- Communication support services management
- Communication projects coordination
- Office liaison for Program Development and Evaluation

BACKUP PERSON

Martha Soneira

Dawn Vanlandingham

Writer/Editor

202-493-3198 · dawn.vanlandingham@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- R&T multimedia and Web publishing
- TFHRC Web site management
- *Public Roads* Managing Editor
- Success story coordination

MAJOR PROJECTS

- Communications projects coordination
- Office liaison for Safety R&D and Program Development and Evaluation

BACKUP PERSON

Martha Soneira

Technology Marketing Team, HRTS-03

Terry Halkyard

Team Leader

202-493-3467 · terry.halkyard@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- Technology marketing leadership
- Budget/quality coordination
- Electronic imaging library

MAJOR PROJECTS

- R&T Web site management
- Management of Highway Innovation Technology Evaluation Center Cooperative Agreement

BACKUP PERSON

Kevin Connor

Kevin Connor

Transportation Specialist

202-493-3187 · kevin.connor@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- R&T Product Distribution Center Manager
- *Technology and Innovation* Managing Editor
- FHWA exhibit services support
- Multimedia technology
- Microsoft® PowerPoint® presentation assistance

MAJOR PROJECTS

- R&T Product Distribution Center
- Digital video and photography technology management
- Office liaison for Infrastructure R&D and Safety R&D

BACKUP PERSON

Terry Halkyard

Zachary Ellis

Publishing Specialist

202-493-3193 · zachary.ellis@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- Conference and Publishing Services Contract Manager
- R&T multimedia publishing
- Information fulfillment
- Photography
- *Focus* newsletter Managing Editor

MAJOR PROJECTS

- Technical Reference Center management
- Special Libraries Association
- Office liaison for Operations R&D

BACKUP PERSON

Terry Halkyard

R&T Publications Support

Carlton Brigham

Onsite Manager (Contractor)

301-577-0818 · report.center@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- R&T Product Distribution Center, Lanham, MD

BACKUP PERSON

Kevin Connor

FHWA Research Library

(formerly the Technical Reference Center)

Jennifer Boteler

Librarian (Contractor)

202-493-3071 · jennifer.boteler@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- FHWA Research Library Manager
- Reference, Interlibrary Loan

BACKUP PERSON

Velma Mackall

Velma Mackall

Library Technician (Contractor)

202-493-3205 · velma.mackall@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- FHWA Research Collection Support

BACKUP PERSON

Jennifer Boteler

Office of Operations R&D

Toni Wilbur, Director

Robert Ferlis
Technical Director for Operations

Travel Management Team
Raj Ghaman, Team Leader

Enabling Technologies Team
Gene McHale, Team Leader

Office of Operations R&D

Fax: 202-493-3419

Office of Operations R&D, HRDO-01

Toni Wilbur

HRDO-01, Director

202-493-3303 · toni.wilbur@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- Leadership of Operations R&D
- Transportation management and operations improvement through research, development, and testing
- Identification of future opportunities

MAJOR PROJECTS

- Office business plan
- Surface transportation security and reliability information system model deployment
- Vehicle infrastructure integration (VII)

BACKUP PERSON

Robert Ferlis

Esther Camaño

Administrative Assistant

202-493-3303 · esther.camano@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- Administrative support

MAJOR PROJECTS

- Office management

Technical Director, HRDO-02

Robert Ferlis

Technical Director

202-493-3268 · robert.ferlis@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- Coordination of project team activities with FHWA's Strategic Plan and Performance Plan goals and objectives
- Technical advice for project teams
- Customer/partner feedback
- RD&T product deployment

MAJOR PROJECTS

- Unit planning
- ITS support
- Advanced mobility systems
- Liaison to headquarters and field offices
- Vehicle-Highway Automation
- Vehicle-Infrastructure Integration (VII)

BACKUP PERSON

Raj Ghaman

Travel Management Team, HRDO-03

Raj Ghaman

Team Leader

202-493-3270 · raj.ghaman@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- Program management and development
- Contract management
- Technical direction
- Team management and leadership
- University Transportation Center (UTC)

MAJOR PROJECTS

- Adaptive control hardware and software development including national standards
- National Highway Institute course instruction
- Dynamic control software
- Adaptive Control Software (ACS) "Lite"
- Traffic management center (TMC) pooled fund

BACKUP PERSON

Deborah Curtis

Henry Lieu

Highway Research Engineer

202-493-3273 · henry.lieu@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- Development of Dynamic Traffic Assignments (DTA) Systems
- Capacity and level of service
- Infrastructure security
- Weather

MAJOR PROJECTS

- DTA and traffic flow theory
- Technical support and program management
- Software testing
- Adverse weather traffic operations

BACKUP PERSONS

Raj Ghaman
Deborah Curtis

Travel Management Team, HRDO-03

(continued)

Deborah Curtis

Highway Research Engineer

202-493-3267 · deborah.curtis@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- ACS, ramp metering, ACS evaluation, and operation of work zones
- Advanced research
- Freight analysis and modeling

MAJOR PROJECTS

- Ramp metering for recurring and nonrecurring congestion
- Strategic Work Zone Analysis Program
- QuickZone

BACKUP PERSON

Raj Ghaman

James Colyar

Highway Research Engineer

202-493-3282 · james.colyar@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- Freeway operations
- Transit priority/pre-emption
- Traffic analysis tools
- Traffic modeling and simulation
- Next Generation Simulation Modeling (NGSIM)
- Evacuations

MAJOR PROJECTS

- Transit operations enhancements
- Weather effects on system operations
- Next generation of simulation software
- Traffic software integrated system maintenance

BACKUP PERSON

Raj Ghaman

Dale Thompson

Transportation Specialist

202-493-3420 · dale.thompson@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- Operations partnerships
- Access management
- Performance measures and data quality

MAJOR PROJECTS

- TMC pooled fund
- Integrated corridor management systems

BACKUP PERSON

Raj Ghaman

Randall VanGorder

Highway Research Engineer

202-493-3266 · randall.vangorder@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- Traffic Research Laboratory (TReL) development and management
- Incident management
- Intelligent Vehicle Initiative (IVI) specialty vehicles
- Technology facilitation

MAJOR PROJECTS

- Manage TReL
- Development of TReL integrated environment
- TReL Strategic Plan development
- Specialty vehicle field operational test with Minnesota DOT

BACKUP PERSON

Raj Ghaman

Enabling Technologies Team, HRDO-04

Gene McHale

Team Leader

202-493-3275 · gene.mchale@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- Sensor-friendly vehicle and roadway methods
- Technical direction
- Team management and leadership
- Infrastructure Consortium

MAJOR PROJECTS

- Cooperative intersection collision avoidance systems (CICAS)
- Cooperative roadway departure crash avoidance systems

BACKUP PERSON

Peter Huang

James Arnold

Electronic Engineer

202-493-3265 · james.a.arnold@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- Global positioning system (GPS)
- Dedicated short-range communication (DSRC)

MAJOR PROJECTS

- Nationwide Differential GPS (NDGPS) and High-Accuracy NDGPS
- Technical support to ITS communications systems

BACKUP PERSON

Rudy Persaud

David Gibson

Highway Research Engineer

202-493-3271 · david.gibson@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- Advanced and innovative research
- University research liaison
- Traffic sensors and detection

MAJOR PROJECTS

- Sensors and controllers for CICAS
- University Research Centers of Excellence

BACKUP PERSON

Gene McHale

Peter Huang

Highway Research Engineer

202-493-3484 · peter.huang@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- IVI enabling research
- Intersection collision avoidance

MAJOR PROJECTS

- Technologies for CICAS testing and evaluation
- Infrastructure-based intersection collision avoidance experimental tests with State departments of transportation
- ITS applications for work zones

BACKUP PERSON

David Gibson

Rudy Persaud

Highway Research Specialist

202-493-3391 · rudy.persaud@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- Road weather management
- Rural ITS
- GPS

MAJOR PROJECTS

- Winter maintenance decision support systems
- Environmental sensor stations investments
- NDGPS deployment

BACKUP PERSON

James Arnold

Office of Safety R&D

Michael Trentacoste, Director

Vacant
Technical Director for Safety
Advanced Research Team

Susanna Hughes-Reck
Technology Facilitator

Roadside Team

Ken Opiela, Team Leader

Roadway Team

Ray Krammes, Team Leader

Safety Management Team

Carol H. Tan, Team Leader

Human Centered Systems Team

Thomas M. Granda, Team Leader

Office of Safety R&D

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Office of Safety R&D, HRDS-01

Michael Trentacoste

HRDS-01, Director

202-493-3260 · michael.trentacoste@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- Advocacy for a nationally coordinated Safety R&D Program
- Development of FHWA Safety R&D Program
- Advanced research program leadership

MAJOR PROJECTS

- SHRP II Safety coordination
- FHWA Safety R&T Roadmap development
- RD&T Leadership Council efforts to improve TFHRC
- Facilitation of Safety R&D product and service deployments
- Advanced research planning and implementation process

BACKUP PERSON

Elke Lower

HRDS-01, Secretary

202-493-3260 · elke.lower@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- Administrative support

MAJOR PROJECTS

- Office management
-

Advanced Research Team, HRDS-02

Vacant

Technical Director

202-493-3316

PRIMARY RESPONSIBILITIES

- Safety R&D Program coordination
- Direction and delivery of FHWA Safety R&D Program
- Technical oversight and guidance

MAJOR PROJECTS

- National Highway R&T Partnership Initiative-Safety
- SafetyAnalyst project
- *Highway Safety Manual*

BACKUP PERSON

Ray Krammes

Susanna Hughes-Reck

Technology Facilitator

202-493-3313 · susanna.hughesreck@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- Technology transfer and marketing safety products
- Customer feedback

MAJOR PROJECTS

- Technology facilitation strategy development
- Customer satisfaction survey

BACKUP PERSON

Pete Mills

Electronic Engineer

202-493-3338 · pete.mills@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- Advanced research
- Sensors
- Electromagnetics
- Simulation

MAJOR PROJECTS

- Digital Highway Measurements Van
- Software testing
- Pattern recognition algorithms development

BACKUP PERSON

Mort Oskard

Mort Oskard

Operations Research Engineer

202-493-3339 · mort.oskard@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- Advanced research
- Data visualization
- Inverse analysis
- Roadside safety

MAJOR PROJECTS

- Optimization and inverse roadside safety analysis
- Simulation modeling research and development
- Rollover causation and reduction study

BACKUP PERSON

Pete Mills

Advanced Research Team, HRDS-02

(continued)

Cara Wood

Administrative Assistant (Contractor)

202-493-3372 · cara.wood@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- Administrative support

MAJOR PROJECTS

- Support for Technical Director, Human Centered Systems (HCS) Team, and Safety Management Team

Thelma Moore

Administrative Assistant (Contractor)

202-493-3322 · thelma.moore@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- Administrative support

MAJOR PROJECTS

- Support for Roadside and Roadway Teams

Roadside Team, HRDS-04

Ken Opiela

Team Leader

202-493-3371 · kenneth.opiela@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- Roadside Team management
- Management of FHWA/NHTSA National Crash Analysis Center (NCAC)
- Monitor changing roadside safety trends and contributing factors
- Develop and execute roadside safety R&D plan and disseminate results
- Coordinate crash analysis efforts with partner agencies

MAJOR PROJECTS

- Develop and maintain finite element (FE) models of vehicles and roadside elements for crash simulation
- Support efforts related to updating national crashworthiness standards
- Analysis and design of physical infrastructure protection
- Analysis of vehicle rollover crashes and mitigation options

BACKUP PERSON

Martin Hargrave

Martin Hargrave

Research Mechanical Engineer

202-493-3311 · martin.hargrave@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- Manage the Federal Outdoor Impact Laboratory (FOIL), a vehicle crash test laboratory used to support finite element analysis (FEA)
- Advance the use of dynamic FEA software to design crashworthy roadside safety structures and predict vehicle crash outcomes
- Coordinate support of Technical Centers throughout the Nation to apply cutting-edge FEA technology to real-world safety problems
- Promote application of new materials (i.e., high performance composites) for roadside safety devices

MAJOR PROJECTS

- Develop software to determine FEA material model coefficients from test data
- Composite material guardrail system development
- Analyze options for lower cost placement of underground utilities adjacent to highways

BACKUP PERSON

Ken Opiela

Roadside Team, HRDS-04

(continued)

Kunik Lee

Specialist in RD&T

202-493-3491 · kunik.lee@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- Develop innovative change for an integrated approach to improving highway safety
- Manage tasks associated with NCAC efforts to develop vehicle interior models, seat performance, and roof crush in rollover crashes
- Conduct research into vehicle compatibility with other vehicles, roadside hardware, and other road features
- Lead efforts to advance crash simulation tools through the development of new LSDYNA code, meshless methods, and model evaluation techniques
- Manage Advanced Research Initiatives

MAJOR PROJECTS

- Manage development of NCAC model for pickup truck
- Develop program options for vehicle compatibility with roadside hardware
- Promote further development and application of the digital highway measurement system

BACKUP PERSON

Ken Opiela

Roadway Team, HRDS-05

Ray Krammes

Team Leader

202-493-3312 · ray.krammes@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- Roadway Team Leader
- Geometric design and safety
- Safety analysis tools

MAJOR PROJECTS

- Interactive Highway Safety Design Model (IHSDM)
- SafetyAnalyst
- Speed management research program

BACKUP PERSON

Joe Bared

Carl Andersen

Physicist

202-493-3366 · carl.andersen@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- Arens Photometric and Visibility Laboratory
- Roadway visibility research

MAJOR PROJECTS

- Night visibility enhancement
- Roadway visibility modeling
- Traffic signal light improvement
- Visibility and lighting research

BACKUP PERSON

Ray Krammes

Joe Bared

Highway Research Engineer

202-493-3314 · joe.bared@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- Intersection safety and operations
- Safety and geometric design

MAJOR PROJECTS

- Implementation of surrogate safety assessment methods in traffic simulation models
- Safety and operational evaluation of alternative intersection and interchange designs

BACKUP PERSON

Ray Krammes

Wei Zhang

Highway Research Engineer

202-493-3317 · wei.zhang@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- Traffic engineering and safety
- Software development oversight

MAJOR PROJECTS

- Intersection research program

BACKUP PERSON

Ray Krammes

Abdul Zineddin

Highway Research Engineer

202-493-3369 · abdul.zineddin@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- Visibility
- Traffic engineering and human factors

MAJOR PROJECTS

- Pavement marking retroreflectivity research
- Speed management research
- Traffic control devices research

BACKUP PERSON

Ray Krammes

Safety Management Team, HRDS-06

Carol H. Tan

Team Leader

202-493-3315 · carol.tan@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- Highway safety analysis
- Highway safety data
- Geometric design and safety
- GIS safety applications
- Safety management systems
- SafetyAnalyst development support
- Development of the Minimum Inventory of Roadway Elements

MAJOR PROJECTS

- Activities involving Highway Safety Information System (HSIS)
- Crash Prediction Algorithm of IHSDM

BACKUP PERSON

Kerry Perrillo Childress

Vacant

Transportation Specialist

PRIMARY RESPONSIBILITIES

- Traffic Engineering and Safety
- Highway safety analysis

MAJOR PROJECTS

- Rollover Causation Study

BACKUP PERSON

Carol H. Tan

Kerry Perrillo Childress

Highway Research Engineer

202-493-3318 · kerry.childress@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- Highway safety analysis
- Safety management

MAJOR PROJECTS

- AASHTO Strategic Highway Safety Plan
- Roadside/roadway hardware asset management
- Countermeasure evaluation

BACKUP PERSON

Carol H. Tan

Human Centered Systems Team, HRDS-07

Thomas M. Granda

Team Leader, Engineering Research Psychologist

202-493-3365 · thomas.granda@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- Human Centered Systems (HCS) program
- HCS technical support management

MAJOR PROJECTS

- HCS safety research program
- HCS operations research program
- Transportation Management Center Pooled Fund Study

BACKUP PERSON

Joe Moyer

Ann Do

Highway Research Engineer

202-493-3319 · ann.do@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- Pedestrian and bicycle safety
- Geometric design and safety

MAJOR PROJECTS

- Pedestrian and Bicycle Safety Research Program

BACKUP PERSON

Thomas M. Granda

Gregory Davis

Engineering Research Psychologist

202-493-3367 · gregory.davis@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- HCS safety research
- Intelligent highway countermeasures
- Safety R&D task order contract

MAJOR PROJECTS

- Human factors research on novel intersection designs
- Accessibility issues at intersections
- Cooperative intersection collision avoidance systems

BACKUP PERSON

Thomas M. Granda

Joe Moyer

Engineering Research Psychologist

202-493-3370 · joe.moyer@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- HCS Laboratory Manager
- Safety and operations research
- Highway driving simulator

MAJOR PROJECTS

- Visibility studies
- Traffic Control Devices Pooled Fund Study

BACKUP PERSON

Thomas M. Granda

Vacant

Engineering Research Psychologist

PRIMARY RESPONSIBILITIES

- HCS safety research (pedestrian and bicycle safety, speed management)
- Older driver research

MAJOR PROJECTS

- Speed management research
- Pedestrian and bicycle safety research

BACKUP PERSONS

Joe Moyer

Office of Infrastructure R&D

Gary L. Henderson, Director

Steve Chase, Research Program Manager for Infrastructure
Richard Livingston, Advanced Research Coordinator
Ian Friedland, Technical Director, Bridge and Structures R&D
Cheryl Richter, Technical Director, Pavement R&D
Lisa Williams, Program Coordinator

Bridge Design and Construction Team

Bill Wright, Team Leader

Bridge Safety, Reliability, and Security Team

Sheila Rimal Duwadi, Team Leader

Infrastructure Inspection and Management Team

Joey Hartmann, Team Leader

Pavement Materials and Construction Team

Tom Harman, Team Leader

Pavement Design and Performance Modeling Team

Katherine Petros, Team Leader

Long-Term Pavement Performance Team

Aramis López, Team Leader

Office of Infrastructure R&D

Fax: 202-493-3442 (HRDI-01, HRDI-02, HRDI-07) • Fax: 202-493-3086 (HRDI-03, HRDI-05, HRDI-10)
Fax: 202-493-3161 (HRDI-04, HRDI-11, HRDI-12, HRDI-13) • Fax: 202-493-3477 (HRDI-06)

Office of Infrastructure R&D, HRDI-01

Gary L. Henderson

HRDI-01, Director

202-493-3022 · gary.henderson@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- Program direction and guidance for the Office of Infrastructure R&D
- Technical and administrative supervision of HRDI teams
- Interaction with headquarters and Resource Center

MAJOR PROJECTS

- Consolidated RD&T multiyear needs, programs, and budget
- National Partnership Initiative advancement
- Corporate management strategies development

Steve Chase

HRDI-01, Research Program Manager

202-493-3038 · steve.chase@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- Policy, direction, and management support to Office Director
- Program development and delivery direction to HRDI teams

MAJOR PROJECTS

- HRDI management strategies and business practices
- Infrastructure R&T Program development

Janet Klein

HRDI-01, Administrative Program Assistant

202-493-3384 · janet.klein@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- Administrative support for the Infrastructure R&D Program

MAJOR PROJECTS

- Time and attendance personnel documents
- Team leader council meeting plans and minutes
- Office supplies
- Office communication activities

Nicole McPherson

HRDI-01, Administrative Assistant (Contractor)

202-493-3022 · nicole.mcpherson@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- Administrative support to the Office Director; Research Program Manager; Program Coordinator; Technical Director for Bridges; the Bridge Design and Construction Team; the Bridge Safety, Reliability, and Security Team; and the Infrastructure Inspection and Management Team

Vacant

HRDI-04, Administrative Assistant (Contractor)

202-493-3143

PRIMARY RESPONSIBILITIES

- Administrative support to the Technical Director for Pavements, the Advanced Research Coordinator, the Pavement Materials and Construction Team, the Pavement Design and Performance Modeling Team, and the Long-Term Pavement Performance Team

Lisa Williams

HRDI-02, Program Coordinator

202-493-3376 · lisa.williams@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- Advice to Office Director on office operations
- Program coordination and monitoring
- Fiscal accountability within the office

MAJOR PROJECTS

- Office management initiatives
- Program and budget monitoring
- Accountable property inventory updates

Ian Friedland

HRDI-03, Technical Director, Bridge and Structures R&D

202-493-3023 · ian.friedland@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- Leadership and technical direction for bridge- and structures-related programs and studies
- Promotion of RD&T products

MAJOR PROJECTS

- Program and budget documents
- External partnerships development
- Technology facilitation for bridges and other highway structures

Cheryl Richter

HRDI-04, Technical Director, Pavement R&D

202-493-3070 · cheryl.richter@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- Leadership and technical direction for pavement-related programs and studies
- Promotion of RD&T products

MAJOR PROJECTS

- Program and budget documents
- External partnerships development
- Technology facilitation for pavements

Richard Livingston

HRDI-05, Advanced Research Coordinator

202-493-3063 · dick.livingston@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- Advanced research

MAJOR PROJECTS

- Embeddable sensor systems
- Nondestructive evaluation (NDE) for materials characterization
- Materials science of portland cement concrete (PCC) setting
- PCC durability

Bridge Design and Construction Team, HRDI-06

Bill Wright

Team Leader

202-493-3053 · bill.wright@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- Bridge Design and Construction Team Leader
- High-performance steel research

MAJOR PROJECTS

- Bridge of the Future
- Fatigue and fracture

Mike Adams

Geotechnical Research Engineer

202-493-3025 · mike.adams@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- Geotechnical Laboratory Manager
- Retaining wall systems
- Spread footing design
- Engineering geology
- Geosynthetic reinforced soil (GRS) structures

MAJOR PROJECTS

- Bridge of the Future
- Reinforced soil beneath spread footings
- Model testing of GRS structures
- Geosynthetic durability testing
- Design of foundation anchors in soil and rock

BACKUP PERSON

Carl Ealy

Carl Ealy

Geotechnical Research Engineer

202-493-3039 · carl.ealy@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- Deep foundations engineering
- In situ testing techniques
- Geotechnical database management
- Innovative load testing systems
- Load and Resistance Factor Design (LRFD) for geotechnical engineering

MAJOR PROJECTS

- Resistance factors for piles and drilled shafts
- Automated geotechnical information and design system
- Composite pile design using waste plastics

BACKUP PERSON

Mike Adams

Eric Munley

Research Structural Engineer

202-493-3046 · eric.munley@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- Fiber-reinforced polymer (FRP) composites
- Adhesive-bonded connections

MAJOR PROJECTS

- Bridge of the Future
- FRP prestressing
- Adhesives research
- FRP specification development
- Accelerated test development for FRP materials

BACKUP PERSON

Bill Wright

Vacant

Structures Laboratory Manager

202-493-3053

PRIMARY RESPONSIBILITIES

- Structures Laboratory Manager
- High-performance steel
- Curved steel girder bridges
- Fatigue and fracture mechanics

MAJOR PROJECTS

- Bridge of the Future
- Curved steel girder research
- High-performance steel bridges
- High-performance steel development

BACKUP PERSON

Vacant

Benjamin Graybeal

Research Structural Engineer

202-493-3122 · benjamin.graybeal@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- High-performance concrete
- Structural testing
- Concrete bridges
- Curved steel girder bridges

MAJOR PROJECTS

- Bridge of the Future
- High-performance concrete bridges
- Concrete specifications
- High-performance materials
- Curved steel girder bridges

BACKUP PERSONS

Bill Wright
Eric Munley

Bridge Safety, Reliability, and Security Team, HRDI-07

Sheila Rimal Duwadi

Team Leader

202-493-3106 · sheila.duwadi@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- Bridge Safety, Reliability, and Security Team Leader
- Timber bridge research
- Bridge design
- Bridge security

MAJOR PROJECTS

- Bridge and tunnel security research program
- Advanced wood/FRP composites
- Integration of wood in transportation programs

BACKUP PERSON

John O'Fallon

Harold Bosch

Research Structural Engineer

202-493-3031 · harold.bosch@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- Aerodynamics Laboratory Manager
- Structural dynamics
- Aerodynamic stability
- Wind loads on structures
- Weigh-in-motion

MAJOR PROJECTS

- Wind research program
- Aerodynamic stability of bridges
- Wind-induced vibration of cables
- Aerodynamic properties of tapered cylinders
- Prediction methods for aerodynamic response
- Computational Fluid Dynamic flow simulation techniques

BACKUP PERSON

Sheila Rimal Duwadi

Kornel Kerenyi

Research Hydraulic Engineer

202-493-3142 · kornel.kerenyi@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- Hydraulics and hydrology

MAJOR PROJECTS

- Bridge scour studies
- Pressure flow scour
- Culvert hydraulics
- Bottomless culverts
- Highway drainage studies
- Multihazard modeling

BACKUP PERSON

Sheila Rimal Duwadi

John O'Fallon

Bridge Research Engineer

202-493-3051 · john.o'fallon@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- General bridge engineering
- Culverts

MAJOR PROJECTS

- Seismic vulnerability assessment
- Liaison for several NCHRP projects
- Covered bridge preservation

BACKUP PERSONS

Sheila Rimal Duwadi
Harold Bosch

Phillip Yen

Research Structural Engineer

202-493-3056 · wen-huei.yen@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- Seismic research program
- United States-Japan research in bridge seismic design and retrofitting
- LRFD design for structures

MAJOR PROJECTS

- Bridge vibration testing
- Cross diagnosis method for globally monitoring bridges
- NCHRP 12-49, "Comprehensive Specification for the Seismic Design of Bridges"
- Seismic vulnerability
- Multihazard study
- Seismic performance testing

BACKUP PERSON

Hamid Ghasemi

Infrastructure Inspection and Management Team, HRDI-10

Joey Hartmann

Team Leader

202-493-3059 · joey.hartmann@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- Infrastructure Inspection and Management Team Leader
- Bridge Management Information Systems Laboratory Manager

MAJOR PROJECTS

- Stewardship and management of existing bridges
- NDE
- Bridge management systems
- Corrosion and coating

BACKUP PERSON

Hamid Ghasemi

Infrastructure Inspection and Management Team, HRDI-10

(continued)

Hamid Ghasemi

Research Structural Engineer

202-493-3042 · hamid.ghasemi@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- Long-Term Bridge Performance Program
- Structural health monitoring
- Bridge dynamics
- Earthquake protective systems
- United States-Turkey collaboration on bridge design and health monitoring related issues

MAJOR PROJECTS

- Health monitoring of signature bridges
- Earthquake protective systems
- Bridge dynamics and modal testing
- Seismic isolation
- Near-source ground motions

BACKUP PERSON

Joey Hartmann

Shuang-Ling Chong

Research Chemist

202-493-3081 · shuang-ling.chong@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- Bridge Coatings Laboratory Manager
- Bridge coating research
- Paint testing and coating evaluation methods
- Oversight of Paint, Corrosion, and Scanning Electron Microscope Laboratories
- Dissemination of coating research results
- Solutions for field coating failure problems

MAJOR PROJECTS

- Accelerated test methods for evaluation of coating materials
- Performance evaluation of fast drying coatings

BACKUP PERSON

Seung-Kyoung Lee

Seung-Kyoung Lee

Research Corrosion Engineer

202-493-3077 · seung-kyoung.lee@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- Corrosion protection of highway structures

MAJOR PROJECTS

- Corrosion protection of reinforced concrete bridge elements
- Material integrity testing for bridges

BACKUP PERSON

Paul Virmani

Vacant

Engineering Technician

202-493-3047

PRIMARY RESPONSIBILITIES

- Instrumentation
- Hardware and software maintenance and consultation

MAJOR PROJECTS

- Curved-girder steel bridge research
- Research on high-performance steel

BACKUP PERSON

Joey Hartmann

Paul Virmani

Research Chemist

202-493-3052 · paul.virmani@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- Corrosion protection systems
- Bridge deck durability

MAJOR PROJECTS

- Corrosion costs and preventive strategies
- Nondestructive tools for corrosion detection
- Cathodic protection systems
- Corrosion resistant reinforcement

BACKUP PERSON

Seung-Kyoung Lee

Frank Jalinoos

Nondestructive Evaluation (NDE) Program Manager

202-493-3082 · frank.jalinoos@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- NDE Validation Center Manager

- Bridge NDE

MAJOR PROJECTS

- NDE technologies for bridges
- Ground-penetrating radar (GPR), including the High-speed Electromagnetic Roadway Mapping and Evaluation System (HERMES) and the Precision Electromagnetic Roadway Evaluation System (PERES)
- Crack detection methods
- Condition assessment of prestressed tendons
- Automated ultrasonic testing

BACKUP PERSON

Hamid Ghasemi

Pavement Materials and Construction Team, HRDI-11

Tom Harman

Team Leader

202-493-3072 · tom.harman@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- Team Leader
- Asphalt Pavement Technology Program
- Concrete Pavement Technology Program
- Simulation, Imaging, and Mechanics of Asphalt Pavements (SIMAP)
- Aggregate research

MAJOR PROJECTS

- TRB Superpave® Committee
- Accelerated Loading Facility (ALF) experiments
- Understanding the performance of modified binders in asphalt mixes

BACKUP PERSONS

Jack Youtcheff
Peter Kopac

Pavement Materials and Construction Team,
HRDI-11

(continued)

Ernest Bastian

Materials Research Chemist

202-493-3075 · ernest.bastian@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- SIMAP Laboratory Manager
- Asphalt rheology and chemistry

MAJOR PROJECTS

- Fundamental properties of asphalt and modified asphalt
- National Research Council research associate manager

BACKUP PERSON

Jack Youtcheff

Fred Faridazar

Highway Research Engineer

202-493-3076 · fred.faridazar@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- Computer guidelines for PCC pavement performance prediction
- Long-term behavior of jointed concrete pavement
- Early-age behavior of continuously reinforced concrete pavement
- Lithium technologies to mitigate or prevent alkali-silica reactivity (ASR)

MAJOR PROJECTS

- Computer-based guidelines for concrete pavements
- HIPERPAV

BACKUP PERSON

Peter Kopac

Nelson Gibson

Materials Research Engineer

202-493-3073 · nelson.gibson@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- Asphalt Laboratory Manager (Binder and Mixture)
- ALF research
- Asphalt technology

MAJOR PROJECTS

- Superpave
- Performance tests
- Understanding the performance of modified binders in asphalt mixes

BACKUP PERSON

Vacant

Highway Research Engineer

202-493-3151

PRIMARY RESPONSIBILITIES

- Concrete Group Leader
- PCC pavement construction
- PCC pavement performance-related specifications
- Statistical quality control
- Quality assurance specifications

MAJOR PROJECTS

- FRP composites
- Performance-related specifications
- Optimal statistical acceptance procedures
- Smoothness specification procedures

BACKUP PERSON

Tom Harman

Richard Meininger

Materials Research Engineer

202-493-3459 · richard.meininger@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- PCC Laboratories Manager
- PCC component materials, properties, and specifications
- PCC mixture proportioning
- PCC properties and performance

MAJOR PROJECTS

- Rapid test for alkali-silica susceptibility
- PCC freeze-thaw performance
- Optimization of concrete mixture
- PCC Thermal Coefficient of Expansion-test method and data for Long-Term Pavement Performance (LTPP) database

BACKUP PERSON

Peter Kopac

Dennis Sixbey

Research Materials Engineer

202-493-3078 · dennis.sixbey@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- Laboratory services support
- Surface characteristics
- PCC pavement materials

BACKUP PERSON

Jack Youtcheff

Jack Youtcheff

Materials Research Chemist

202-493-3090 · jack.youtcheff@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- Asphalt Group Leader
- Chemistry Laboratory Manager
- Asphalt chemistry and technology

MAJOR PROJECTS

- Moisture sensitivity of asphalt
- Fundamental properties of asphalt and modified asphalt
- Understanding the performance of modified binders in asphalt mixes

BACKUP PERSON

Ernest Bastian

Pavement Design and Performance Modeling Team, HRDI-12

Katherine Petros

Team Leader

202-493-3154 · katherine.petros@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- Team Leader
- Pavement design and performance modeling

MAJOR PROJECTS

- *Mechanistic-Empirical Pavement Design Guide*
- Design Guide Implementation Team
- Mechanistic performance prediction models
- Performance-related specifications

BACKUP PERSONS

Imad Basheer
James Sherwood

Imad Basheer

Highway Research Engineer

202-493-3149 · imad.basheer@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- Computation Laboratory Manager
- Pavement structural design
- Performance-related specifications

MAJOR PROJECTS

- *Mechanistic-Empirical Pavement Design Guide*
- Performance prediction models
- Pooled funds

BACKUP PERSON

Katherine Petros

James Sherwood

Highway Research Engineer

202-493-3150 · jim.sherwood@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- PCC pavement design and performance
- PCC pavement maintenance and rehabilitation

MAJOR PROJECTS

- Design Guide Implementation Team
- Concrete performance prediction modeling
- Ultra-thin whitetopping

BACKUP PERSONS

Katherine Petros
Imad Basheer

Nadarajah Sivanewaran (Siva)

Highway Research Engineer

202-493-3147 · nadarajah.sivanewaran@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- Pavement performance modeling

MAJOR PROJECTS

- Life cycle cost analysis
- Heavy vehicle/tire impacts on pavement damage
- Mechanistic analysis of pavement structures
- Performance prediction modeling

BACKUP PERSONS

Katherine Petros
James Sherwood

Peter Kopac

Highway Research Engineer

202-493-3151 · peter.kopac@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- Advanced Quality Systems
- Pavement performance-related specifications
- Statistical quality control
- Quality assurance specifications

MAJOR PROJECTS

- FRP composites
- Performance-related specifications
- Optimal statistical acceptance procedures
- Relating construction to performance

BACKUP PERSONS

Katherine Petros
James Sherwood

Long-Term Pavement Performance Team, HRDI-13

Aramis López

Team Leader

202-493-3145 · aramis.lopez@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- LTPP Team Leader
- LTPP product coordination

MAJOR PROJECTS

- LTPP daily operations
- LTPP technical support services
- LTPP international coordination
- TRB LTPP Committee
- TRB LTPP Expert Task Groups (ETG)

BACKUP PERSON

Jack Springer

Long-Term Pavement Performance Team,
HRDI-13

(continued)

Jack Springer

Highway Research Engineer

202-493-3144 · jack.springer@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- LTPP field operations
- LTPP materials testing
- LTPP seasonal monitoring data
- LTPP distress data collection
- LTPP Automated Weather Stations
- LTPP Materials Reference Laboratory

MAJOR PROJECTS

- Regional contract support
- Resilient Modulus and material testing
- TRB ETG on LTPP materials and Falling-Weight Deflectometer (FWD) data collection and analysis

BACKUP PERSON

Aramis López

Deborah Walker

Highway Research Engineer

202-493-3068 · deborah.walker@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- LTPP traffic activities
- LTPP communications

MAJOR PROJECTS

- Specific Pavement Studies Traffic Pooled Fund Study
- LTPP traffic analysis software
- LTPP traffic data collection
- LTPP traffic data forecasting and backcasting

BACKUP PERSON

Aramis López

Eric Weaver

Highway Research Engineer

202-493-3153 · eric.weaver@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- LTPP database activities
- LTPP FWD operations
- LTPP documentation

MAJOR PROJECTS

- FWD data collection
- FWD calibration
- LTPP database management
- TRB ETG on LTPP Database Development and Operations

BACKUP PERSON

Aramis López

Larry Wiser

Highway Research Engineer

202-493-3079 · larry.wiser@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- LTPP Customer Support Service Center (CSSC)
- LTPP data analysis
- LTPP profile measurement
- LTPP data studies and computed parameters

MAJOR PROJECTS

- LTPP CSSC operations
- Data analysis projects and contracts
- TRB ETG on LTPP data analysis
- ETG on Distress and Profile Data collection and analysis

BACKUP PERSON

Aramis López

Antonio Nieves

LTPP Field Engineer Atlanta Resource Center

202-493-3074 · antonio.nieves@fhwa.dot.gov

PRIMARY RESPONSIBILITIES

- LTPP Products Team Leader
- LTPP products

MAJOR PROJECTS

- LTPP DataPave Online
- LTPPBind software
- TRB Product Subcommittee

BACKUP PERSON

Aramis López

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NAME	PHONE NO.	ROOM	ROUTE	PAGE	
Adams	Mike	202-493-3025	F-116	HRDI-06	23
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Arnold	James	202-493-3265	T-204	HRDO-04	15
Asmerom	Ariam	202-493-3469	F-204	HRTC-01	4
Bared	Joe	202-493-3314	T-303	HRDS-05	19
Basheer	Imad	202-493-3149	F-209	HRDI-12	27
Bastian	Ernest	202-493-3075	F-209	HRDI-11	26
Bosch	Harold	202-493-3031	F-G09	HRDI-07	24
Boteler	Jennifer	202-493-3071	A-200	HRTS-03	11
Brigham	Carlton	301-577-0818	off-site	HRTS-03	11
Camaño	Esther	202-493-3303	T-204	HRDO-01	13
Chase	Steve	202-493-3038	T-111	HRDI-01	22
Childress	Kerry Perrillo	202-493-3318	T-303	HRDS-05	20
Chong	Shuang-Ling	202-493-3081	F-211	HRDI-10	25
Colyar	James	202-493-3282	T-204	HRDO-03	14
Connor	Kevin	202-493-3187	F-204	HRTS-03	11
Conway	Joe	202-493-3186	F-204	HRTC-01	4
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Curtis	Georgia	202-493-3180	T-310	HRRM-01	5

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Davis	Gregory	202-493-3367	T-210	HRDS-07	20
Do	Ann	202-493-3319	T-210	HRDS-06	20
Duwadi	Sheila Rimal	202-493-3106	T-111	HRDI-07	24
Ealy	Carl	202-493-3039	F-116	HRDI-06	23
Ellis	Zachary	202-493-3193	F-204	HRTS-03	11
Elston	Debra	202-493-3181	F-218	HRTC-01	4
Faridazar	Fred	202-493-3076	F-206	HRDI-11	26
Ferlis	Robert	202-493-3268	T-204	HRDO-02	13
Friedland	Ian	202-493-3023	F-211	HRDI-03	22
Ghaman	Raj	202-493-3270	T-204	HRDO-03	13
Ghasemi	Hamid	202-493-3042	T-111	HRDI-10	25
Gibson	David	202-493-3271	T-204	HRDO-04	15
Gibson	Nelson	202-493-3073	F-209	HRDI-11	26
Granda	Thomas M.	202-493-3365	T-210	HRDS-07	20
Graybeal	Benjamin	202-493-3122	F-116	HRDI-06	23
Halkyard	Terry	202-493-3467	F-204	HRTS-03	11
Hargrave	Martin	202-493-3311	T-303	HRDS-04	18
Harman	Tom	202-493-3072	F-211	HRDI-11	25
Hartmann	Joey	202-493-3059	F-209	HRDI-06	24

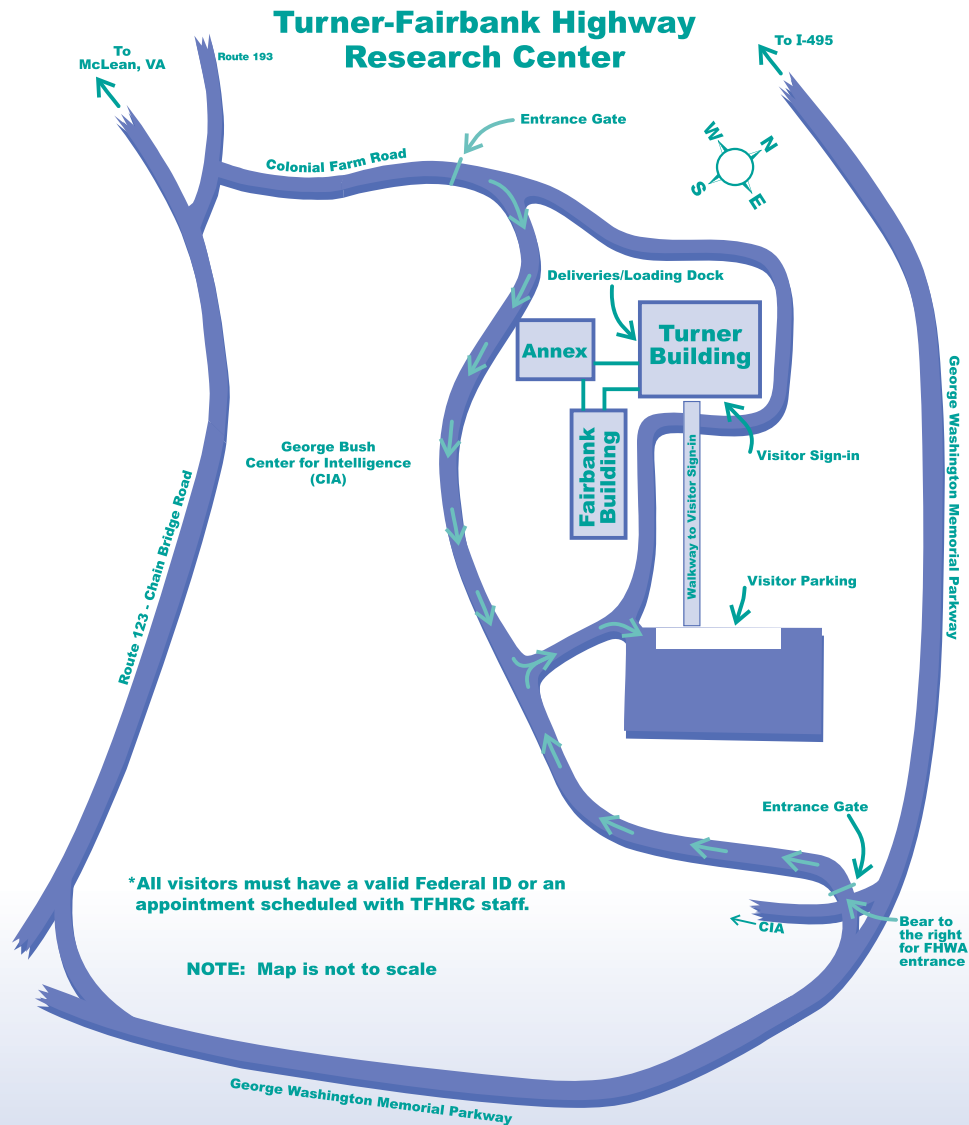
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Henderson Gary L.	202-493-3022	T-112	HRDI-01	22
Huang Peter	202-493-3484	T-204	HRDO-04	15
Hughes-Reck Susanna	202-493-3313	T-210	HRDS-02	17
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Lee Angela	202-493-3175	T-310	HRRM-01	5
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Lee Seung-Kyoung	202-493-3077	F-211	HRDI-10	25
Lieu Henry	202-493-3273	T-204	HRDO-03	13
Livingston Richard	202-493-3063	F-211	HRDI-05	22
López Aramis	202-493-3145	F-209	HRDI-13	27
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Magoulas Paula	202-493-3398	F-204	HRTS-02	10
Martin Diana	202-493-3168	T-310	HRRM-01	5
McCarthy Doreen	202-493-3175	T-310	HRRM-01	5
McCracken John	202-493-3422	F-219	HRTS-01	10
McCrae TaMara	202-493-3382	F-204	HRTC-01	4
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Mills Pete	202-493-3338	T-210	HRDS-06	17
Moore Thelma	202-493-3322	T-303	HRDS-02	18
Moyer Joe	202-493-3370	T-210	HRDS-07	20
Munley Eric	202-493-3046	T-111	HRDI-06	23
Munro John	202-493-3368	F-204	HRTC-01	4
Nasabzadeh Masoud	202-493-3047	T-310	HRRM-01	6
Nguyen Quang	202-493-3298	T-310	HRRM-01	5
Nieves Antonio	202-493-3074	F-206	HRDI-13	28
O'Fallon John	202-493-3051	T-111	HRDI-07	24
Opiela Ken	202-493-3371	T-301	HRDS-04	18
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Persaud	Rudy	202-493-3391	T-204	HRDO-04	15
Petros	Katherine	202-493-3154	F-209	HRDI-12	27
Richter	Cheryl	202-493-3070	F-209	HRDI-04	22
Roberts	Carol	202-493-3185	T-310	HRRM-01	6
Seward	Denise	202-493-3471	T-310	HRRM-01	6
Sherwood	James	202-493-3150	F-209	HRDI-12	27
Sivaneswaran	Nadarajah	202-493-3147	F-209	HRDI-12	27
Sixbey	Dennis	202-493-3078	F-211	HRDI-11	26
Soneira	Martha	202-493-3468	F-204	HRTS-02	10
Springer	Jack	202-493-3144	F-209	HRDI-13	28
Tan	Carol H.	202-493-3315	T-210	HRDS-06	20
Thompson	Dale	202-493-3420	T-204	HRDO-03	14
Tope	Danielle	202-493-3190	F-219	HRTC-01	4
Trentacoste	Michael	202-493-3260	T-306	HRDS-01	17
VanGorder	Randall	202-493-3266	T-204	HRDO-03	14
Vanlandingham	Dawn	202-493-3198	F-204	HRTS-02	10
Virmani	Paul	202-493-3052	T-111	HRDI-10	25

NAME		PHONE NO.	ROOM	ROUTE	PAGE
Walker	Deborah	202-493-3068	F-209	HRDI-13	28
Weaver	Eric	202-493-3153	F-209	HRDI-13	28
Wilbur	Toni	202-493-3303	T-205	HRDO-01	13
Williams	Kimberly	202-493-3423	F-219	HRTS-01	10
Williams	Lisa	202-493-3376	T-112	HRDI-02	22
Wiser	Larry	202-493-3079	F-206	HRDI-13	28
Wood	Cara	202-493-3302	T-210	HRDS-02	18
Wright	Bill	202-493-3053	A-103	HRDI-06	23
Yen	Phillip	202-493-3056	T-111	HRDI-07	24
Youtcheff	Jack	202-493-3090	F-110	HRDI-11	26
Zaccagnino	Bill	202-493-3183	T-305	HRPD-01	7
Zhang	Wei	202-493-3317	T-303	HRDS-05	19
Zineddin	Abdul	202-493-3369	T-303	HRDS-05	19

Directions



FROM

REAGAN NATIONAL AIRPORT

Take the George Washington (GW) Memorial Parkway toward Washington, DC. Continue along the GW Memorial Parkway approximately 15.8 km (9.8 mi). Continue past the exit for Route 123 and take the exit marked by a small brown sign that reads, "George Bush Center for Intelligence CIA/FHWA." At the yield sign, take the entrance that veers to the right before the gates to the CIA. This gate is open Monday–Friday from 6 a.m. until 6 p.m. only. Use gate off of Route 193 on Colonial Farm Road for access at other times. (See directions from Dulles Airport.)

FROM

DULLES AIRPORT

Take the Dulles Toll Road (Route 267) east to the Route 123/McLean exit. Travel on Route 123/Dolly Madison Boulevard until you reach a stoplight at the intersection with Route 193/Georgetown Pike. Turn left on Route 193. Turn right at the first road (Colonial Farm Road). Continue along the road past the CIA entrances on the right until you reach a gated entrance to the TFHRC complex. There is a security guard on duty at all times, and this gate is open 24 hours a day, 7 days a week.

FROM

POINTS NORTH

From points north of Washington, DC, take I-495 (Capital Beltway) around the west side of Washington, DC, to the GW Memorial Parkway, the first exit in Virginia. Continue along the parkway approximately 4.2 km (2.6 mi). Take the exit indicated by the small brown sign that reads, "George Bush Center for Intelligence CIA/FHWA." Take the entrance that veers to the right before the gates to the CIA. This gate is open Monday–Friday from 6 a.m. until 6 p.m. only. Use gate off of Route 193 on Colonial Farm Road for access at other times. (See directions from Dulles Airport.)

FROM

POINTS SOUTH

From points south of Washington, DC, take I-495 North/Rockville to the GW Memorial Parkway exit. Continue along the parkway approximately 4.2 km (2.6 mi). Take the exit indicated by the small brown sign that reads, "George Bush Center for Intelligence CIA/FHWA." Take the entrance that veers to the right before the gates to the CIA. This gate is open Monday–Friday from 6 a.m. until 6 p.m. only. Use gate off of Route 193 on Colonial Farm Road for access at other times. (See directions from Dulles Airport.)

Nassif Building/TFHRC Shuttle Schedule

A daily shuttle service operates between the FHWA Nassif Building and TFHRC. The service begins at 7:00 a.m. from the Nassif Building, Washington, DC, from the 6th Street side (near the cafeteria).

The travel time to TFHRC is approximately 20 minutes. The schedule for the shuttle service is as follows:

Depart Nassif	Arrive TFHRC	Depart TFHRC	Arrive Nassif
7:00 a.m.	7:20 a.m.	7:25 a.m.	7:55 a.m.
8:00 a.m.	8:20 a.m.	8:45 a.m.	9:10 a.m.
9:30 a.m.	9:50 a.m.	10:00 a.m.	10:20 a.m.
10:30 a.m.	10:50 a.m.	11:00 a.m.	11:20 a.m.
12:00 noon	12:20 p.m.	12:30 p.m.	12:50 p.m.
1:00 p.m.	1:20 p.m.	1:30 p.m.	1:50 p.m.
2:00 p.m.	2:20 p.m.	2:45 p.m.	3:05 p.m.
3:15 p.m.	3:35 p.m.	3:45 p.m.	4:05 p.m.
4:15 p.m.	4:35 p.m.	5:00 p.m.	5:20 p.m.

All DOT employees, contractors, and visitors are permitted to ride the shuttle while on official business. All visitors must have a valid Federal ID or an appointment scheduled with TFHRC staff.