



Organizational and Expertise Directory

Spring 2008

**Office of Research,
Development and Technology**

**Turner-Fairbank Highway Research Center
6300 Georgetown Pike, McLean, VA 22101**



U.S. Department of Transportation
Federal Highway Administration

Table of Contents

Who We Are and What We Do	1
Federal Highway Administration Organizational Chart	3
Turner-Fairbank Highway Research Center Organizational Chart	4
Office of the Associate Administrator	5
Office of the Associate Administrator, HRT-01	5
Office of Resource Management	6
Office of Resource Management, HRRM-01	6
Management Services Division, HAIM-20	8
Office of Corporate Research, Technology and Innovation Management	9
Office of Research, Technology, and Innovation Management, HRTM-01	9
R&T Program Development and Partnership Team, HRTM-02	10
Communications and Outreach Team, HRTM-03	13
Exploratory Advanced Research Team, HRTM-04	15
R&T Publications Support.....	16
Federal Highway Administration Research Library	17
Office of Operations Research and Development (R&D)	18
Office of Operations R&D, HRDO-01	18
Technical Direction, Operations R&D, HRDO-02	18
Travel Management Team, HRDO-03.....	19
Enabling Technologies Team, HRDO-04	21
Office of Safety Research and Development (R&D)	23
Office of Safety R&D, HRDS-01	23
Technical Direction, Safety R&D, HRDS-02.....	23
Advanced Research, HRDS-03	24
Roadside Team, HRDS-04	25
Roadway Team, HRDS-05	26
Safety Management Team, HRDS-06	28
Human Centered Systems Team, HRDS-07	28
Office of Infrastructure Research and Development (R&D)	31
Office of Infrastructure R&D, HRDI-01	31
Technical Direction, Bridges and Structures R&D, HRDI-03.....	32
Technical Direction, Pavement R&D, HRDI-04	33
Bridge Design and Construction Team, HRDI-06.....	33
Bridge Safety, Reliability, and Security Team, HRDI-07	35
Infrastructure Inspection and Management Team, HRDI-10.....	37
Pavement Materials and Construction Team, HRDI-11	39
Pavement Design and Performance Modeling Team, HRDI-12.....	42
Long-Term Pavement Performance Team, HRDI-13	43
Index	46
Directions	49

Who We Are and What We Do

The Federal Highway Administration (FHWA) Office of Research, Development, and Technology (RD&T) is organized into 5 offices with 16 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 Corporate Research, Technology, and Innovation Management leads change and provides a comprehensive approach to managing advanced and applied research programs, communicating corporate messages from agenda setting through impact assessment; develops and executes policy, budget, program management, and administrative mechanisms to add value and quality continually to a nationwide FHWA R&T program; and develops and executes comprehensive R&T communications and marketing strategies, plans, and evaluation methods, which support FHWA-wide R&T programs and R&T services to FHWA offices. 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, Technology, and Innovation Management supports the FHWA R&T Program.

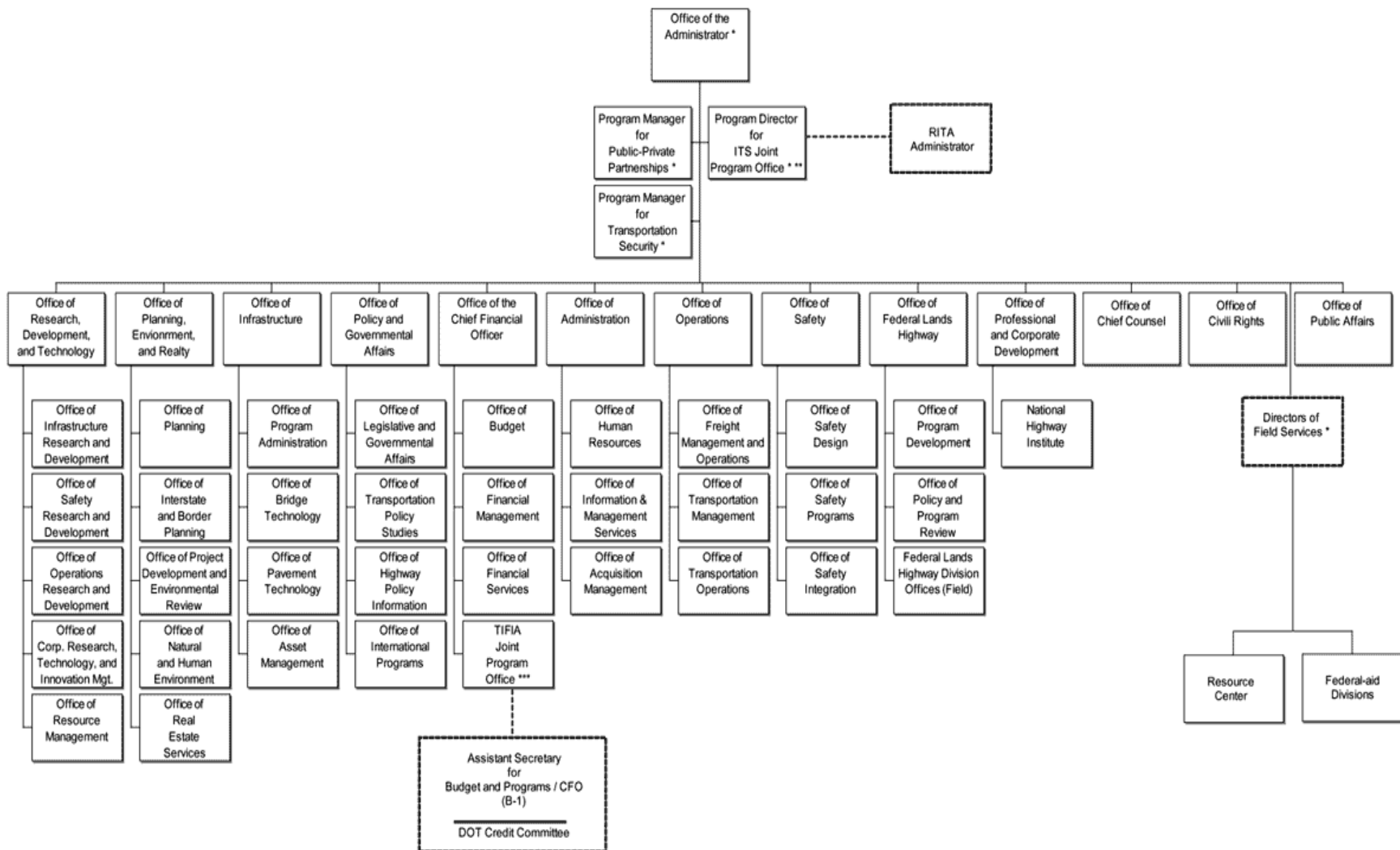
In virtually everything we do, we coordinate and/or collaborate extensively with other FHWA and DOT offices, State and local government partners, academic organizations, companies in the industry, military research offices, and professional organizations. In an effort to involve stakeholders and partners,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

See RD&T fiscal year (FY) 2007 product and service descriptions and year-end statuses in the soon to be published *Office of Research, Development, and Technology Fiscal Year 2007 Research Project Status Summary*. Find a listing and descriptions of FY 2008-2009 products and services in the forthcoming *RD&T FY 2008/2009 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.

Federal Highway Administration Organizational Chart



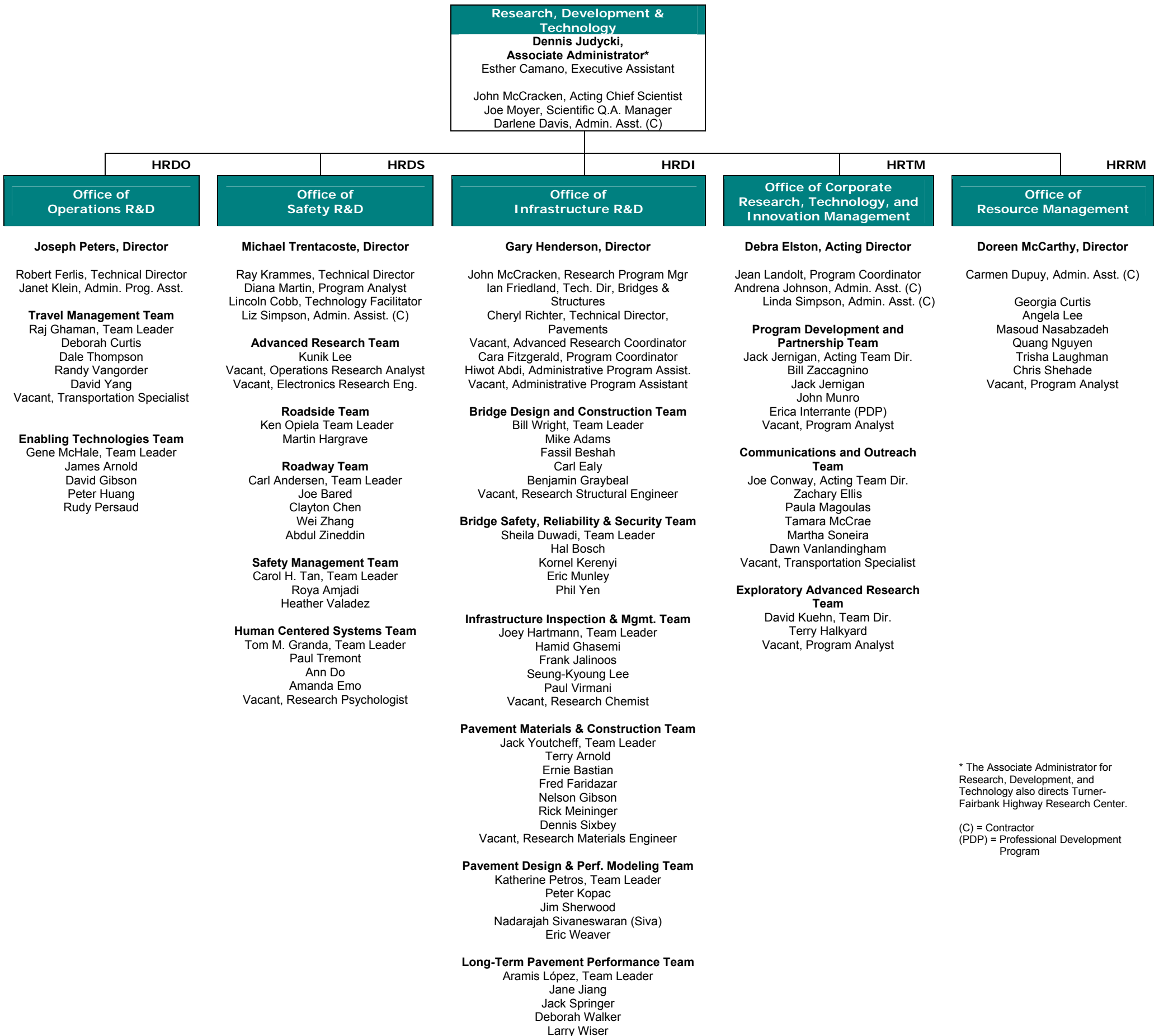
* The Office of the Administrator includes the Administrator, Deputy Administrator, Executive Director, and the Intelligent Transportation Systems Joint Program Office (ITS JPO). FHWA's Program Manager for Public-Private Partnerships, the Program Manager for Transportation Security, and the Directors of Field Services (DFS) are extensions of the Executive Director's office. The DFSs provide administrative supervision and leadership on strategic initiatives to the constituent Federal-Aid Division Administrators. The DFS-West also provides administrative supervision to the Resource Center Director.

** The Program Director for the ITS JPO has a departmentwide role, provides executive direction over the ITS JPO, and advises and reports to both the FHWA Administrator and the RITA Administrator.

*** The Transportation Infrastructure Finance and Innovation Act Joint Program Office (TIFIA JPO) is a multi-modal office located within the FHWA's Office of the Chief Financial Officer and has a departmentwide role, which is overseen by the Assistant Secretary of Transportation for Budget and Programs (OST B-1) and the DOT Credit Committee.

Effective August 1, 2007

Federal Highway Administration Turner-Fairbank Highway Research Center Organizational Chart



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

(C) = Contractor
(PDP) = Professional Development Program

Office of the Associate Administrator

Fax: 202-493-3170

Office of the Associate Administrator, HRT-01

Dennis Judycki

Associate Administrator for Research, Development, and Technology (RD&T)/Director of Turner-Fairbank Highway Research Center (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

Esther Camano

Executive Assistant

202-493-3999

esther.camano@fhwa.dot.gov

Primary Responsibilities

- Administrative support

Major Projects

- Office management

Backup Person

Liz Simpson

John McCracken

Acting Chief Scientist, TFHRC

202-493-3422

john.mccracken@fhwa.dot.gov

Primary Responsibilities

- Strategic Planning for TFHRC
 - Coordination of research and development (R&D) at TFHRC
 - Exploratory Advanced Research at TFHRC
-

Joe Moyer

Scientific Quality Assurance Manager

202-493-3370

joe.moyer@fhwa.dot.gov

Primary Responsibilities

- Lab Assessment
- Data Quality
- Peer Review

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 Turner-Fairbank Highway Research Center (TFHRC) business operations

Backup Person

Chris Shehade

Carmen Dupuy

Administrative Assistant (Contractor)

202-493-3175

carmen.dupuy@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
-

Chris Shehade

Senior Financial Manager

202-493-3179

chris.shehade@fhwa.dot.gov

Primary Responsibilities

- Financial consultation to the Research and Technology (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 research, development, and technology research, development, and technology (RD&T) allotments

Backup Person

Quang Nguyen

Georgia Curtis

Administrative Management Specialist

202-493-3180

georgia.curtis@fhwa.dot.gov

Primary Responsibilities

- General Operating Expenses (GOE) allocation management
- RD&T Purchase Card review and program oversight (GOE)
- RD&T Employee Development program coordination

Major Projects

- GOE allotment financial research, reconciliation, and reporting
- RD&T Purchase Card review and program oversight (GOE)
- RD&T Training Coordinator

Backup Persons

Chris Shehade

Carol Roberts

Quang Nguyen

Accountant/Financial Manager

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
- Contracting Officer's Technical Representative (COTR) for financial management support contracts
- Managerial Cost Accounting System Management for RD&T

Backup Person

Chris Shehade

Masoud Nasabzadeh

Research Facility Technical Support Specialist

202-493-3047

masoud.nasabzadeh@fhwa.dot.gov

Primary Responsibilities

- Technical support to research and development (R&D) activities at TFHRC
- Contract administration of information technology (IT) support and electronics laboratory contracts
- Facility reviews and strategic planning
- Emergency planning and continuity of operation plan (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

Trisha Laughman

Administrative Management Specialist

202-493-3185

trisha.laughman@fhwa.dot.gov

Primary Responsibilities

- Human resource management
- Human resource consultation and guidance

Major Projects

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

Backup Person

Doreen McCarthy

Angela Lee

Administrative Management Specialist

202-493-3471

angela.lee@fhwa.dot.gov

Primary Responsibilities

- Accountable property inventory and records management
- Facility space management assistance
- U.S. Department of Transportation vehicle and wireless communication device administration

Major Projects

- TFHRC Accountable Property Officer
- Facility Space Utilization Studies
- Purchase Request Quality Review support

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 Corporate Research, Technology and Innovation Management

Fax: 202- 493- 3475 (HRTM-01) (HRTM-03, HRTM-04)
Fax: 202- 493- 3170 (HRTM-02)

Office of Research, Technology, and Innovation Management, HRTM-01

Debra Elston

Acting Director

202-493-3181

debra.elston@fhwa.dot.gov

Primary Responsibilities

- Overall leadership of research and technology (R&T) program development and innovation management
- Lead for the Exploratory Advanced Research Program
- Primary contact for national research partnerships and State research programs
- Leadership and communication for the R&T program

Major Projects

- Federal Highway Administration (FHWA) R&T program development and innovation management
- Co-Chair Research, Technology and Education Reauthorization Working Group
- Liaison with Transportation Research Board (TRB) R&T Coordinating Committee (RTCC)
- Primary contact for coordination of international R&T programs

Backup Person

Jack Jernigan

Joe Conway

Jean Landolt

Research and Technology Program Coordinator

202-493-3146

jean.landolt@fhwa.dot.gov

Primary Responsibilities

- Advice to office director on office operations
- Program coordination and monitoring
- Fiscal accountability within office
- Contract administration support

Major Projects

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

Backup Person

Jack Jernigan

Andrena Johnson

Administrative Assistant (Contractor)

202-493-3166

andrena.johnson@fhwa.dot.gov

Primary Responsibilities

- Administrative support to the Office Director of Research, Technology, and Innovation Management

Major Projects

- Office activities scheduling
- Office materials proofreading
- Correspondence control/routing organization
- Time & attendance
- Travel

Backup Person

Linda Simpson

Linda Simpson

Administrative Assistant (Contractor)

202-493-3423

linda.simpson@fhwa.dot.gov

Primary Responsibilities

- Administrative support to the Office Director, Research and Technology Program Development and Partnership Team; Communications and Outreach Team; and the Exploratory Advanced Research Team

Major Projects

- Office and meeting support
- Tour materials

Backup Person

Andrena Johnson

R&T Program Development and Partnership Team, HRTM-02**Jack Jernigan**

Acting Team Director

202-493-3363

debra.elston@fhwa.dot.gov

Primary Responsibilities

- Legislation and budget
- National research and technology program development and evaluation

Major Projects

- Nationally coordinated Research and Technology (R&T) program
- R&T partnership development
- R&T Leadership Team secretariat

Backup Person

Debra Elson

Vacant

National Partnership Manager
202-493-xxxx

Primary Responsibilities

- Coordination of national R&T programs
- R&T program formulation in cooperation with FHWA headquarters and field offices

Major Projects

- National Highway R&T programs
- Liaison with Research and Innovative Technology Administration (RITA) for University Transportation Center (UTC) program
- Small Business Innovative Research (SBIR) program

Backup Person

Jack Jernigan

Jack Jernigan

Research and Technology Legislation and Budget Analyst
202-493-3363
jack.jernigan@fhwa.dot.gov

Primary Responsibilities

- Development of R&T budget and budget delivery plan
- Development and review of reauthorization legislative proposals
- Development of R&T Legislative Implementation Plan for the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU)
- Future Strategic Highway Research Program (SHRP 2)

Major Projects

- Annual R&T budget and budget delivery plan
- Legislative proposals
- Liaison with SHRP 2
- Liaison with TRB RTCC
- FHWA headquarters and field office coordination

Backup Person

Debra Elston

Bill Zaccagnino

Research and Technology State Program Analyst
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
- FHWA manager for State peer exchange program
- Transportation Pooled Fund Program Manager

Major Projects

- American Association of State Highway and Transportation Officials' (AASHTO) Standing Committee on Research (SCOR) and Research Advisory Committee (RAC)
- Core Program contract with TRB
- NCHRP coordination
- Liaison for NCHRP Projects 20-5
- State peer exchange monitoring
- University Transportation Center Liaison

Backup Persons

Jack Jernigan
Joe Conway

John F. Munro
Technology Transfer System Analyst
202-493-3368
john.munro@fhwa.dot.gov

Primary Responsibilities

- R&T strategic planning
- Intellectual property system development and coordination
- R&T performance planning and performance measures
- Representative to Federal Laboratory Consortium (FLC)

Major Projects

- Staff support for USDOT RD&T Program Review Working Group
- Intellectual property right coordination
- Small Business Innovation Research
- Scientific peer review support

Backup Person

Debra Elston

Vacant

Transportation Pooled Fund (TPF) Program Manager
202-493-xxxx

Primary Responsibilities

- Promotion and administration of the TPF Program
- Management of TPF Program

Major Projects

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

- Communicate standard operating procedures
- AASHTO Technology Implementation Group (TIG) coordination

Backup Person

Bill Zaccagnino

Erica Interrante

Professional Development Program Intern

202-493-3204

Erica.interrante@fhwa.dot.gov

Primary Responsibilities

- Legislation and budget
- Marketing and communications
- Complete developmental assignments

Backup Person

Jack Jernigan

Communications and Outreach Team, HRTM-03**Joe Conway**

Acting Team Director

202-493-3186

joe.conway@fhwa.dot.gov

Primary Responsibilities

- Leadership
- Budget planning
- Communications and outreach strategy

Major Projects

- Innovation management and delivery
- R&T story

Backup Person

Martha Soneira

Martha Soneira

Marketing and Communications Analyst

202-493-3468

martha.soneira@fhwa.dot.gov

Primary Responsibilities

- Marketing and communications leadership
- *Public Roads* editor-in-chief

Major Projects

- R&T Marketing and communication support services management
- R&T marketing and communications network liaison
- Federal Highway Administration Research Library
- Telling the R&T story—the value of research

Backup Person

Paula Magoulas

Joe Conway

Information Management Analyst

202-493-3186

joe.conway@fhwa.dot.gov

Primary Responsibilities

- R&T information management
- R&T technology transfer and innovation delivery
- Communications and outreach support

Major Projects

- Federal Highway Administration Research Library
- Office liaison for Office of Infrastructure R&D and Office of Safety R&D

Backup Person

TaMara McCrae

Paula Magoulas

Communication Specialist/Creative Director

202-493-3398

paula.magoulas@dot.gov

Primary Responsibilities

- Communications and outreach projects coordinator
- Communications/publications support service coordinator
- Communications/graphic consultation
- *Public Roads* creative director

Major Projects

- Communication support services management
- Communication and outreach projects coordination
- Success story coordination
- Office liaison for Office of Safety R&D

Backup Person

Martha Soneira

Dawn Vanlandingham

Writer/Managing Editor

202-493-3198

dawn.vanlandingham@dot.gov

Primary Responsibilities

- R&T multimedia and Web publishing
- R&T and TFHRC Web site management
- Communications and Web consultation
- *Public Roads* managing editor

Major Projects

- Communications and outreach projects coordination

- Office liaison for Office of Safety R&D

Backup Person

Joe Conway

Zachary Ellis

Publishing and Marketing Specialist

202-493-3193

zachary.ellis@fhwa.dot.gov

Primary Responsibilities

- Meeting planning contract management
- R&T multimedia publishing coordination
- *Focus* newsletter managing editor
- Information sharing, management, and preservation

Major Projects

- Meetings and conference planning management
- Printing coordination and oversight
- Office liaison for Office of Operations R&D
- Records management and preservation

Backup Person

Joe Conway

TaMara McCrae

Marketing Specialist and Logistics/Tour Coordinator

202-493-3382

tamara.mccrae@fhwa.dot.gov

Primary Responsibilities

- National exhibit coordination
- R&T communications support
- Facility tour coordination

Major Projects

- FHWA exhibit services support
- Facility tours
- R&T Product Distribution Center
- Priority, Market-Ready Technologies and Innovations communication and measurement

Backup Person

Joe Conway

Exploratory Advanced Research Team, HRTM-04**David Kuehn**

Team Director

202-493-3414

david.kuehn@fhwa.dot.gov

Primary Responsibilities

- FHWA leadership
- Scientific coordination
- Partnership development

Major Projects

- Visionary leadership for Exploratory Advanced Research (EAR) Program
- Facilitation of EAR partnership development
- International and national scientific program coordination
- Leadership and communication for *Corporate Master Plan for Research and Deployment of Technology & Innovation*

Backup Person

Terry Halkyard

Terry Halkyard

Advanced Research Program Analyst

202-493-3467

terry.halkyard@fhwa.dot.gov

Primary Responsibilities

- EAR program development and administration
- Budget delivery
- EAR partnerships

Major Projects

- Broad agency announcements
- Contract support management
- Internships and rotational assignments

Backup Person

David Kuehn

Vacant

Advanced Research Program Analyst

202-493-xxxx

Primary Responsibilities

- EAR program development and administration
- Communications and outreach

Major Projects

- Program planning and delivery
- Internal research solicitation
- Program publications, Web development, and marketing

Backup Person

Terry Halkyard

R&T Publications Support**Carlton Brigham**

Product Distribution Center Manager (Contractor)

301-577-0818

report.center@fhwa.dot.gov

Primary Responsibilities

- R&T Product Distribution Center, Lanham, MD

Backup Person

Joe Conway

Federal Highway Administration Research Library**Jennifer Boteler**

Librarian (Contractor)

202-493-3071

jennifer.boteler@fhwa.dot.gov

Primary Responsibilities

- Federal Highway Administration Research Library manager
- Reference and interlibrary loans

Backup Person

Martha Soneira

Office of Operations Research and Development (R&D)

Fax: 202-493-3419

Office of Operations R&D, HRDO-01

Joe Peters

HRDO-01, Director

202-493-3303

joe.peters@fhwa.dot.gov

Primary Responsibilities

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

Major Projects

- Development of Federal Highway Administration (FHWA) Operations and Management R&D Program
- Advocacy for a nationally coordinated Operations R&D Program
- R&D program/project tracking

Backup Person

Robert Ferlis

Janet Klein

Administrative Assistant

202-493-3303

janet.klein@fhwa.dot.gov

Primary Responsibilities

- Administrative support

Major Projects

- Office management
-

Technical Direction, Operations R&D, 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
- Exploratory Advanced Research Program

Major Projects

- Unit planning
- Intelligent transportation system (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)
- Strategic Highway Research Program and liaison
- National Cooperative Highway Research Program liaison

Major Projects

- Adaptive control hardware and software development including national standards
- Dynamic control software
- Adaptive Control Software (ACS) “Lite”
- Traffic management center (TMC) pooled fund
- Vehicle Infrastructure Integration
- Advanced traffic control
- Operations research

Backup Person

Deborah Curtis

Vacant

Highway Research Engineer

202–493–3273

Primary Responsibilities

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

Major Project

- Dynamic Traffic Assignments (DTA) and traffic flow theory
- Technical support and program management
- Software testing
- Adverse weather traffic operations
- Integration of DTA in Integrated Corridor Management (ICM)

Backup Persons

Raj Ghaman

Deborah Curtis

Deborah Curtis

Highway Research Engineer

202-493-3267

deborah.curtis@fhwa.dot.gov

Primary Responsibilities

- Adaptive Control Software (ACS), ramp metering, ACS evaluation, and operation of work zones
- Exploratory Advanced Research Program
- Freight analysis and modeling
- Performance measures

Major Projects

- Vehicle-Infrastructure Integration Day 1 Applications
- Modeling and Simulation Workshop
- Adaptive Control Software LITE Phase II
- QuickZone and Work Zone Final Rule

Backup Person

Raj Ghaman

David Yang

Highway Research Engineer

202-493-3284

david.yang@fhwa.dot.gov

Primary Responsibilities

- Freeway operations
- Traffic analysis and simulation tools
- Next Generation Simulation Modeling (NGSIM)
- Traffic modeling of evacuations
- ITS Deployment Analysis System (IDAS)

Major Projects

- Next Generation Simulation (NGSIM) program
- Traffic Analysis Toolbox
- CORridor SIMulation (CORSIM) Application Guidelines
- Ramp Management and Control Handbook
- Coordinated Freeway and Arterial Operations Handbook
- Empirical Studies of Traffic Flow in Inclement Weather

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

- Traffic Management Center (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
- Vehicle-Infrastructure Integration (VII) specialty vehicles
- Technology facilitation

Major Projects

- Manage Traffic Research Laboratory (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

- Technical direction
- Team management and leadership
- Infrastructure-related aspects to cooperative vehicle-infrastructure collision avoidance systems

Major Projects

- Cooperative intersection Collision Avoidance Systems (CICAS)
- Vehicle Infrastructure Integration (VII)

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)
- Spectrum Management

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
- Small Business Innovative Research (SBIR) liaison

Major Projects

- Sensors and controllers for Cooperative Intersection Collision Avoidance Systems (CICAS)
- University Research Centers of Excellence
- Stereo-Pedestrian Sensor Project

Backup Person

Gene McHale

Peter Huang

Highway Research Engineer

202-493-3484

peter.huang@fhwa.dot.gov

Primary Responsibilities

- Vehicle Infrastructure Integration (VII) enabling research
- Intersection collision avoidance

Major Projects

- Technologies for Cooperative Intersection Collision Avoidance Systems (CICAS) testing and evaluation
- 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
- Global Positioning System (GPS)

Major Projects

- Winter maintenance decision support systems
- Environmental sensor stations investments
- Nationwide Differential Global Positioning System (NDGPS) deployment

Backup Person

James Arnold

Office of Safety Research and Development (R&D)

Fax: 202-493-3170 (HRDS-01) Fax: 202-493-3170 (HRDS-02, HRDS-06, HRDS-07)
Fax: 202-493-3417 (HRDS-04, HRDS-05)

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 2 Safety coordination
- FHWA Safety Research and Technology (R&T) Roadmap development
- RD&T Leadership Council efforts to improve Turner-Fairbank Highway Research Center (TFHRC)
- Facilitation of Safety R&D product and service deployments
- Advanced research planning and implementation process

Backup Person

Ray Krammes

Liz Simpson

HRDS-01, Administrative Assistant (Contractor)

202-493-3260

liz.simpson@fhwa.dot.gov

Primary Responsibilities

- Administrative support

Major Projects

- Office management
-

Technical Direction, Safety R&D, HRDS-02

Ray Krammes

Technical Director

202-493-3312

ray.krammes@fhwa.dot.gov

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

Michael Trentacoste

Lincoln Cobb

Technology Facilitator

202-493-3313

lincoln.cobb@fhwa.dot.gov

Primary Responsibilities

- Technology transfer and marketing safety products
- Customer feedback

Major Projects

- Technology facilitation strategy development
- Customer satisfaction survey
- Safety R&D Web site

Backup Person

Ray Krammes

Diana Martin

Program Analyst

202-493-3168

diana.martin@fhwa.dot.gov

Primary Responsibilities

- Procurement planning and management
- Accounting and budget planning, development, and monitoring

Major Projects

- Tracking office expenditures
- Accountable property inventories
- Information technology equipment and office/lab space needs assessment

Backup

Ray Krammes

Advanced Research, HRDS-03**Kunik Lee**

202-493-3491

kunik.lee@fhwa.dot.gov

Primary Responsibilities

- Develop innovative change for an integrated approach to improving highway safety
- Conduct research into vehicle compatibility with other vehicles, roadside hardware, and other road features
- Exploratory Advanced Research initiatives

Major Projects

- Develop program options for vehicle compatibility with roadside hardware
- Promote further development and application of the Digital Highway Measurement (DHM) System

Backup Person

Ray Krammes

Vacant

Electronic Engineer
202-493-xxxx

Primary Responsibilities

- Advanced research
- Sensors
- Electromagnetics
- Simulation

Major Projects

- DHM System
- Software testing
- Pattern recognition algorithms development

Backup Person

Kunik Lee

Roadside Team, HRDS-04

Ken Opiela

Team Leader
202-493-3371

kenneth.opiela@fhwa.dot.gov

Primary Responsibilities

- Roadside Team management
- Management of George Washington University's National Crash Analysis Center (NCAC) agreement
- 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
- Manage roadside outreach efforts

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
- Evaluation of roadside hardware effectiveness
- 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)
- Advance the use of dynamic FEA software to design crashworthy roadside safety structures and predict vehicle crash outcomes

- Coordinate use of FEA by Centers for Excellence
- 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

Vacant

Highway Research Engineer
202-493-xxxx

Primary Responsibilities

- Vehicle and hardware modeling
- Roadside safety

Major Projects

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

Backup Person

Ken Opiela

Roadway Team, HRDS-05

Carl Andersen

Team Leader
202-493-3366
carl.andersen@fhwa.dot.gov

Primary Responsibilities

- Roadway Team Leader
- 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

Joe Bared

Clayton Chen

Highway Research Engineer
202-493-3054
clayton.chen@fhwa.dot.gov

Primary Responsibilities

- Geometric design and safety
- Safety analysis tools

Major Projects

- Interactive Highway Safety Design Model (IHSDM)

Backup Persons

Joe Bared
Carl Andersen

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

Wei Zhang

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
- Work zone safety

Backup Person

Joe Bared

Vacant

Highway Research Engineer
202-493-xxxx

Primary Responsibilities

- Visibility
- Traffic engineering and human factors

Major Projects

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

Backup Person

Carl Andersen

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
- GIS safety applications
- Safety management systems

Major Projects

- Activities involving Highway Safety Information System (HSIS)
- Development of the Minimum Inventory of Roadway Elements
- Motorcycle Crash Causation Study
- Wildlife-Vehicles Collision Reduction Study

Backup PersonRoya Amjadi

Roya Amjadi*Transportation Specialist*

202-493-3383

roya.amjadi@fhwa.dot.gov**Primary Responsibilities**

- Traffic Engineering and Safety
- Highway safety analysis

Major Projects

- SafetyAnalyst development support
- Low-cost Safety Improvement Evaluation Pooled-Fund Study

Backup PersonCarol H. Tan

Heather Valadez*Mathematical Statistician*

202-493-3318

heather.valadez@fhwa.dot.gov**Primary Responsibilities**

- Highway safety analysis
- Safety management
- Geographical information systems (GIS) safety applications

Major Projects

- Countermeasure evaluation
- Safety Edge Evaluation Pooled-Fund Study

Backup PersonCarol 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

Amanda Emo

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

Amanda Emo

Engineering Research Psychologist

202-493-3395

amanda.emo@fhwa.dot.gov

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

Thomas M. Granda

Paul Tremont

Engineering Research Psychologist

202-493-3338

paul.tremont@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
202-493-xxxx

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

Office of Infrastructure Research and Development (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 Research and Development (R&D)
- Technical and administrative supervision of Infrastructure R&D teams
- Interaction with headquarters and Federal Highway Administration (FHWA) Resource Center

Major Projects

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

Backup Person

John M. McCracken

John McCracken

HRDI-01, Research Program Manager

202-493-3422

john.mccracken@fhwa.dot.gov

Primary Responsibilities

- Policy, direction, and management support to Office Director
- Program development and delivery direction to Infrastructure R&D teams

Major Projects

- Infrastructure R&D management strategies and business practices
- Infrastructure Research and Technology (R&T) Program development

Backup Person

Cheryl Richter

Hiwot Abdi

HRDI-01, Administrative Program Assistant

202-493-3022

Hiwot.abdi@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
-

Vacant

HRDI-04, Administrative Assistant
202-493-3022

Primary Responsibilities

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

Vacant

HRDI-01, Administrative Assistant (Contractor)
202-493-3022

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
-

Cara Fitzgerald

HRDI-02, Program Coordinator
202-493-3376
cara.fitzgerald@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
-

Technical Direction, Bridges and Structures R&D, HRDI-03

Ian M. Friedland

Technical Director
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
-

Technical Direction, Pavement R&D, HRDI-04

Cheryl Richter

Technical Director

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
-

Vacant

Advanced Research Coordinator, HRDI-05

202-493-3063

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
- Corrosion resistant steel

Backup Persons

Mike Adams

Fassil Beshah

Mike Adams

Research Civil Engineer

202-493-3025

mike.adams@fhwa.dot.gov

Primary Responsibilities

- Geotechnical Laboratory Manager
- Retaining wall systems
- Construction engineering
- Shallow foundations engineering

- Engineering geology

Major Projects

- Bridge of the Future
- Integrated Abutment Bridge System
- Geosynthetic reinforced soil (GRS) structures

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
- Innovative load testing systems
- Load and resistance factor design (LRFD) for geotechnical engineering

Major Projects

- Resistance factors for piles and drilled shafts
- Application of high performance materials to bridge foundations
- Health monitoring technologies for foundation construction and performance

Backup Person

Mike Adams

Fassil Beshah

Structures Laboratory Manager

202-493-3041

fassil.beshah@fhwa.dot.gov

Primary Responsibilities

- Structures Laboratory Manager
- High-performance materials

Major Projects

- Bridge of the Future
- High-performance material applications for bridges

Backup Person

Bill Wright

Benjamin Graybeal

Research Structural Engineer

202-493-3122

benjamin.graybeal@fhwa.dot.gov

Primary Responsibilities

- High-performance concrete
- Ultra high-performance concrete
- Structural testing
- Concrete bridges

Major Projects

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

Backup Person

Bill Wright

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 and tunnel security

Major Projects

- Bridge and tunnel security research
- Advanced wood/fiber-reinforced polymer (FRP) composites

Backup Person

Harold Bosch

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
- 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 Laboratory Manager
- Hydraulics and hydrology of highway structures

Major Projects

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

Backup Person

Sheila Rimal Duwadi

Eric Munley

Research Structural Engineer

202-493-3046

eric.munley@fhwa.dot.gov

Primary Responsibilities

- FRP composites
- Adhesive-bonded connections
- Security assessment and training
- Vessel collision
- Bridge and tunnel security

Major Projects

- FRP prestressing
- Adhesives research
- FRP specification development
- Accelerated test development for FRP materials
- Bridge and tunnel vulnerability assessments
- Countermeasure Assessments
- Bridge and tunnel security research

Backup Person

Sheila Rimal Duwadi

Vacant

Bridge Research Engineer

202-493-3051

Primary Responsibilities

- General bridge engineering
- Culverts
- Historic structures

Major Projects

- Seismic vulnerability assessment
- Covered bridge preservation

Backup Person

Sheila Rimal Duwadi

Phillip Yen

Research Structural Engineer

202-493-3056

wen-huei.yen@fhwa.dot.gov

Primary Responsibilities

- Seismic research program
- LRFD design for structures

Major Projects

- Bridge vibration testing
- Bridge seismic instrumentation
- Seismic vulnerability
- Multihazard analysis of highway structures
- Seismic performance testing
- United States-Japan research in bridge seismic design and retrofitting

Backup Person

Sheila Rimal Duwadi

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

Major Projects

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

Backup Person

Hamid Ghasemi

Hamid Ghasemi

Research Structural Engineer

202-493-3042

hamid.ghasemi@fhwa.dot.gov

Primary Responsibilities

- Long-Term Bridge Performance Program
- Bridge Management Information Systems Laboratory Manager
- 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

Vacant

Research Chemist

202-493-3081

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 of reinforced concrete bridge elements
- Material integrity testing for bridges

Backup Person

Paul Virmani

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 Center Manager
- Bridge NDE
- Steel Bridge Testing Program

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 pre-stressed tendons
- Automated ultrasonic testing
- FHWA Steel Bridge Testing Program

Backup Person

Hamid Ghasemi

Pavement Materials and Construction Team, HRDI-11**Jack Youtcheff**

Team Leader

202-493-3090

jack.youtcheff@fhwa.dot.gov

Primary Responsibilities

Team Leader

- Pavement Materials and Construction Research

Major Projects

- Understanding the performance of modified binders in asphalt mixes
- Moisture sensitivity of asphalt
- Organization for Economic Cooperation and Development (OECD) long-life pavements
- Asphalt Research Consortium
- Asphalt durability

Backup Persons

Nelson Gibson

Richard Meininger

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

Richard Meininger

Nelson Gibson

Materials Research Engineer

202-493-3073

nelson.gibson@fhwa.dot.gov

Primary Responsibilities

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

Major Projects

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

Backup Person

Jack Youtcheff

Vacant

Highway Research Engineer

202-493-3xxx

Primary Responsibilities

- Concrete materials research

Backup Person

Richard Meininger

Richard Meininger

Research Highway Engineer

202-493-3191

richard.meininger@fhwa.dot.gov

Primary Responsibilities

- Portland Cement Concrete (PCC) Laboratories Manager
- PCC component materials, properties, and specifications
- PCC mixture proportioning
- PCC properties and performance
- Aggregate Research

Major Projects

- Concrete mix design and analysis
- Rapid test for alkali-silica susceptibility
- PCC freeze-thaw performance
- PCC thermal coefficient of expansion-test method and data for Long-Term Pavement Performance (LTPP) database

Backup Person

Jack Youtcheff

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

Terrence Arnold

Materials Research Chemist

202-493-3305

terry.arnold@fhwa.dot.gov

Primary Responsibilities

- Chemistry Laboratory Manager
- Asphalt chemistry and technology

Major Projects

- Fundamental properties of asphalt, modified asphalt, and alternative materials
- Understanding the performance of modified binders in asphalt mixes
- Alkali-silica reactivity

Backup Person

Jack Youtcheff

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*
- Mechanistic performance prediction models
- Performance-related specifications

Backup Persons

Peter Kopac

Nadarajah Sivianeswaran

Eric Weaver

Highway Research Engineer

202-493-3153

eric.weaver@fhwa.dot.gov

Primary Responsibilities

- Computation Resource Manager
- Pavement structural design
- Pavement analysis techniques

Major Projects

- Design Guide Implementation Team
- Pavement performance prediction models
- Asphalt Research Consortium
- FWD Calibration Pooled Fund Study
- Geosynthetics in pavements

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

Peter Kopac

Nadarajah Sivaneswaran (Siva)

Highway Research Engineer

202-493-3147

nadarajah.sivaneswaran@fhwa.dot.gov

Primary Responsibilities

- Pavement performance modeling
- Pavement management systems
- Life cycle cost analysis
- Remaining service life

Major Projects

- Life cycle cost analysis
- Mechanistic analysis of pavement structures
- Performance prediction modeling
- Construction analysis for pavement rehabilitation strategies (CA4PRS) development
- Composite pavements

Backup Persons

Katherine Petros

James Sherwood

Peter Kopac

Research Highway 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

- Performance-related specifications
- Optimal statistical acceptance procedures
- Relating construction to performance
- Concrete pavement road map
- FRP composites

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
- Transportation Research Board (TRB) LTPP Committee
- TRB LTPP Expert Task Groups (ETG)

Backup Person

Jack Springer

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
- American Association of State Highway and Transportation Officials' Subcommittee on Materials Secretary

Major Projects

- Regional contract support
- Resilient Modulus and material testing
- TRB ETG on LTPP operations

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
- TRB ETG on Traffic

Backup Person

Aramis López

Jane Jiang

Highway Research Engineer

202-493-3149

jane.jiang@fhwa.dot.gov

Primary Responsibilities

- LTPP database activities
- LTPP FWD operations
- LTPP documentation

Major Projects

- FWD calibration
- LTPP database management
- TRB ETG on LTPP operation

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 operation and data analysis

Backup Person

Aramis López

Index

Office of the Associate Administrator, HRT-01	5
Dennis Judycki.....	5
Jean Landolt/Esther Camano.....	5
John McCracken.....	5
Joe Moyer.....	5
Office of Resource Management, HRRM-01.....	6
Doreen McCarthy.....	6
Carmen Dupuy.....	6
Chris Shehade.....	6
Georgia Curtis.....	7
Quang Nguyen.....	7
Masoud Nasabzadeh.....	7
Trisha Laughman.....	8
Angela Lee.....	8
Management Services Division, HAIM-20	8
Brian Kerr.....	8
Office of Research, Technology, and Innovation Management, HRTM-01.....	9
Debra Elston.....	9
Jean Landolt.....	9
Andrena Johnson.....	10
Linda Simpson.....	10
R&T Program Development and Partnership Team, HRTM-02.....	10
Jack Jernigan.....	10
Jack Jernigan.....	11
Bill Zaccagnino.....	11
John F. Munro.....	12
Erica Interrante.....	13
Communications and Outreach Team, HRTM-03	13
Joe Conway.....	13
Martha Soneira.....	13
Joe Conway.....	14
Paula Magoulas.....	14
Dawn Vanlandingham.....	14
Zachary Ellis.....	15
TaMara McCrae.....	15
Exploratory Advanced Research Team, HRTM-04	15
David Kuehn.....	15
Terry Halkyard.....	16
R&T Publications Support.....	16
Carlton Brigham.....	16
Federal Highway Administration Research Library	17
Jennifer Boteler.....	17
Office of Operations R&D, HRDO-01	18

Joe Peters	18
Janet Klein	18
Technical Direction, Operations R&D, HRDO-02	18
Robert Ferlis	18
Travel Management Team, HRDO-03	19
Raj Ghaman	19
Deborah Curtis	20
David Yang	20
Dale Thompson	20
Randall VanGorder	21
Enabling Technologies Team, HRDO-04	21
Gene McHale	21
James Arnold	21
David Gibson	22
Peter Huang	22
Rudy Persaud	22
Office of Safety R&D, HRDS-01	23
Michael Trentacoste	23
Liz Simpson	23
Technical Direction, Safety R&D, HRDS-02	23
Ray Krammes	23
Lincoln Cobb	24
Diana Martin	24
Advanced Research, HRDS-03	24
Kunik Lee	24
Roadside Team, HRDS-04	25
Ken Opiela	25
Martin Hargrave	25
Roadway Team, HRDS-05	26
Carl Andersen	26
Clayton Chen	26
Joe Bared	27
Wei Zhang	27
Safety Management Team, HRDS-06	28
Carol H. Tan	28
Roya Amjadi	28
Heather Valadez	28
Human Centered Systems Team, HRDS-07	28
Thomas M. Granda	29
Ann Do	29
Amanda Emo	29
Paul Tremont	29
Office of Infrastructure R&D, HRDI-01	31
Gary L. Henderson	31
John McCracken	31

Hiwot Abdi.....	31
Cara Fitzgerald	32
Technical Direction, Bridges and Structures R&D, HRDI-03	32
Ian M. Friedland	32
Technical Direction, Pavement R&D, HRDI-04.....	33
Cheryl Richter	33
Bridge Design and Construction Team, HRDI-06	33
Bill Wright.....	33
Mike Adams	33
Carl Ealy	34
Fassil Beshah	34
Benjamin Graybeal	34
Bridge Safety, Reliability, and Security Team, HRDI-07.....	35
Sheila Rimal Duwadi.....	35
Harold Bosch	35
Kornel Kerenyi	35
Eric Munley	36
Phillip Yen.....	37
Infrastructure Inspection and Management Team, HRDI-10.....	37
Joey Hartmann.....	37
Hamid Ghasemi	37
Seung-Kyoung Lee	38
Paul Virmani.....	38
Frank Jalinoos.....	39
Pavement Materials and Construction Team, HRDI-11	39
Jack Youtcheff	39
Ernest Bastian.....	39
Fred Faridazar	40
Nelson Gibson	40
Richard Meininger.....	41
Dennis Sixbey	41
Terrence Arnold	41
Pavement Design and Performance Modeling Team, HRDI-12	42
Katherine Petros	42
Eric Weaver	42
James Sherwood	42
Nadarajah Sivanewaran (Siva).....	43
Peter Kopac	43
Long-Term Pavement Performance Team, HRDI-13.....	43
Aramis López.....	43
Jack Springer.....	44
Deborah Walker.....	44
Jane Jiang.....	44
Larry Wiser.....	45

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.)

DOT HQ East Building/TFHRC Shuttle Schedule

A daily shuttle service operates between the DOT HQ East Building and TFHRC. The service begins at 7:00 a.m. from the DOT HQ East Building, Washington, DC, from 1201 4th Street, SE. The travel time to TFHRC is approximately 45 minutes. The schedule for the shuttle service is as follows:

Depart DOT HQ East	Arrive TFHRC	Depart TFHRC	Arrive DOT HQ East
7:00 a.m.	7:30 a.m.	7:40 a.m.	8:23 a.m.
8:33 a.m.	9:43 a.m.	9:53 a.m.	10:48 a.m.
10:55 a.m.	11:35 a.m.	11:40a.m.	12:15 p.m.
12:30 p.m.	1:00 p.m.	1:05 p.m.	1:35 p.m.
1:40 p.m.	2:10 p.m.	2:25 p.m.	2:45 p.m.
2:50 p.m.	3:30 p.m.	3:35 p.m.	4:20 p.m.
4:25 p.m.	5:15 p.m.	5:20 p.m.	6:07 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.

This RD&T directory provides TFHRC expertise and contact information.

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