

Winter 2005



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



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The Federal Highway Administration (FHWA) Office of Research, Development, and Technology (RD&T) is organized into 7 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 develops and

## *Who we are and what we do*

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 proposed Office of Corporate Research and Technology will support 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) 2002 product and service descriptions and year-end statuses in the *Office of Research, Development, and Technology FY 2003 Performance Report*. Find a listing and descriptions of FY 2004–05 products and services in the *RD&T FY 2004/2005 Performance Plan*. The performance plan and report are available on the Turner-Fairbank Highway Research Center (TFHRC) Web site ([www.tfhrc.gov](http://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.

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

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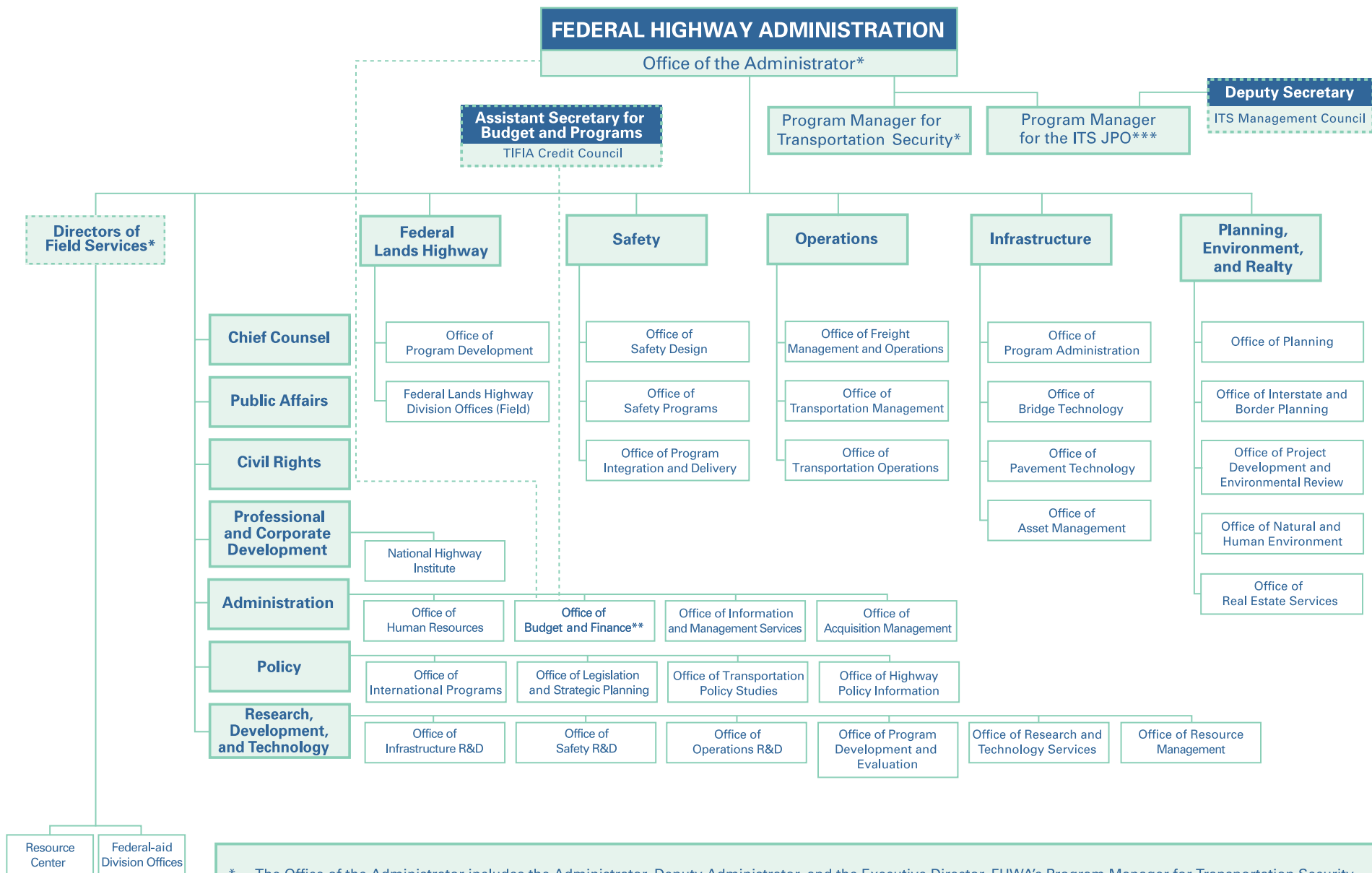
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Shuttle Schedule

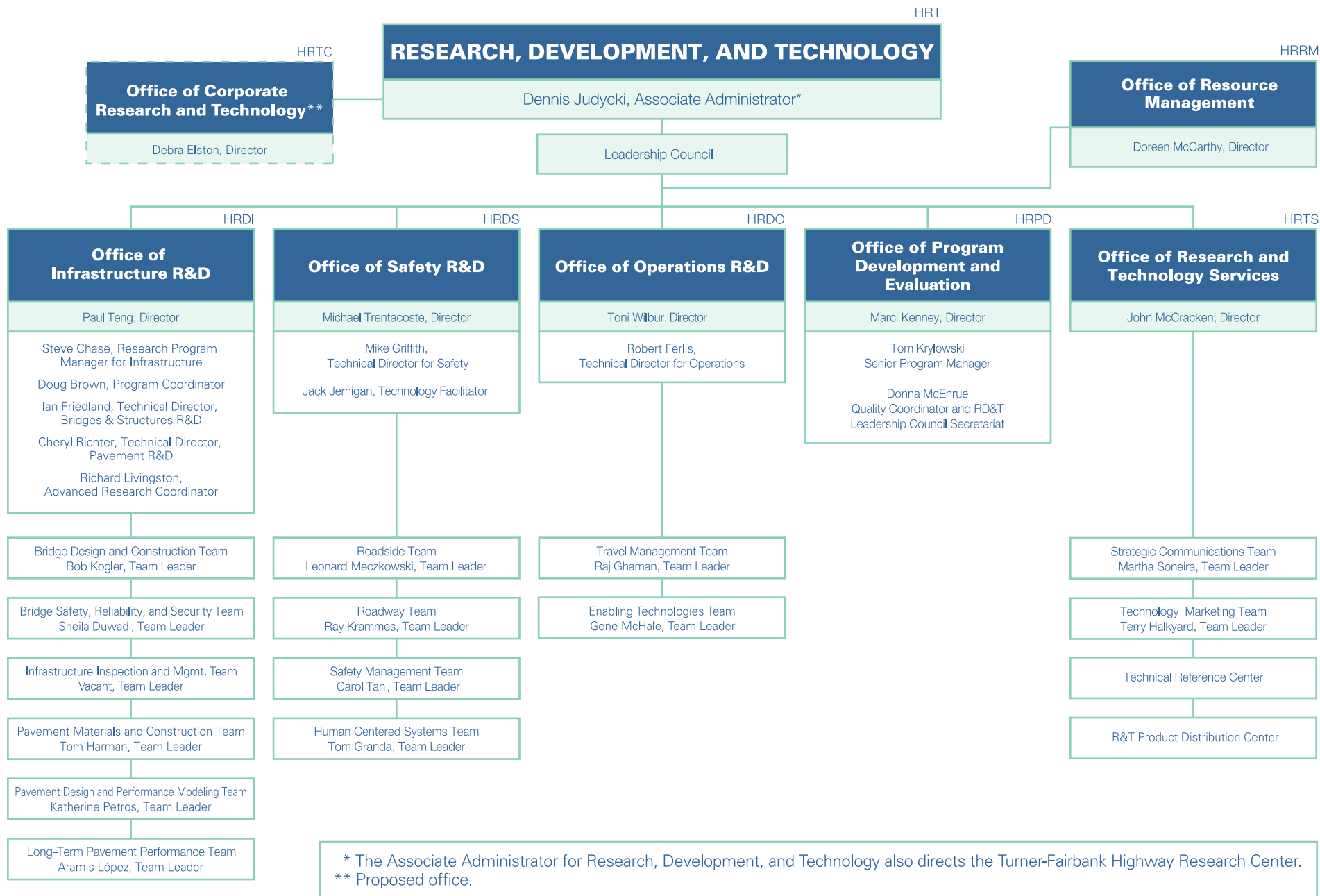
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\* The Office of the Administrator includes the Administrator, Deputy Administrator, and the Executive Director. FHWA's Program Manager for Transportation Security and the Directors of Field Services are an extension of the Executive Director's office. The Directors of Field Services provide administrative supervision and leadership on strategic initiatives to the constituent Resource Center office(s) and Division offices.

\*\* The Director, Office of Budget and Finance, also serves as the FHWA Chief Financial Officer (CFO) in support of departmental responsibilities established under the CFO Act of 1990. Also, the Transportation Infrastructure Finance and Innovation Act Joint Program Office (TIFIA JPO), a multimodal office, is located in FHWA's Office of Budget and Finance. The TIFIA JPO has a departmentwide role, which is overseen by the Assistant Secretary for Budget and Programs and the TIFIA Credit Council.

\*\*\* The Program Manager for the Intelligent Transportation Systems (ITS) Joint Program Office (JPO) has a departmentwide role, and advises and reports to both the Deputy Secretary of Transportation and the FHWA Administrator; provides advice to the ITS Management Council; and provides executive direction over the ITS JPO.



January 2005

# Office of the Associate Administrator

Fax: 202-493-3170

## Office of the Associate Administrator, HRT-01

### Dennis Judycki

*Associate Administrator*

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

#### PRIMARY RESPONSIBILITIES

- TFHRC Director
- 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 (Proposed)

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*
- Improvement process for engaging external stakeholders in research, technology, and innovation deployment
- Leadership and communication for Corporate Master Plan

#### BACKUP PERSON

Joe Conway

### Joe Conway

*Transportation Specialist*

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

#### PRIMARY RESPONSIBILITIES

- Research, T&I deployment strategies

#### MAJOR PROJECTS

- *Corporate Master Plan for Research and Deployment of T&I*
- Technology deployment database
- Priority, Market-Ready Technologies and Innovations

#### BACKUP PERSON

Debra Elston

### Ariam Asmerom

*Transportation Specialist*

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

#### PRIMARY RESPONSIBILITIES

- Implementation of an FHWA R&T Performance Measurement Framework
- Development and implementation of an FHWA advanced research process and plan

#### MAJOR PROJECTS

- Advanced research process and plan
- Corporate Master Plan performance measures
- Corporate research and technology report

#### BACKUP PERSON

Joe Conway

### John Munro

*Program Analyst*

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

#### PRIMARY RESPONSIBILITIES

- Information collection and analysis
- Knowledge management

#### MAJOR PROJECTS

- System for monitoring and communicating the development and deployment of the Corporate Master Plan
- R&T knowledge management system
- Technology deployment survey

#### BACKUP PERSON

Ariam Asmerom

### Susanna Hughes Reck (On detail)

*Transportation Specialist*

202-493-3310 · susanna.hughesreck@fhwa.dot.gov

#### PRIMARY RESPONSIBILITIES

- Develop agency definition for “deployment”
- Develop agency framework to manage list of Market-Ready Technologies and Innovations

#### MAJOR PROJECTS

- Develop framework to determine the levels of technology and innovation deployment
- Identify criteria to manage list of Market-Ready Technologies and Innovations
- Assist in development of Transportation Research Board T2 Committee tool box

# 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 administrative planning and management areas

#### BACKUP PERSON

Richard Collins

### Angela Lee

*Administrative Assistant*

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

#### PRIMARY RESPONSIBILITIES

- Administrative support

#### MAJOR PROJECTS

- Office management

### Richard Collins

*Accountant*

202-493-3179 · richard.collins@fhwa.dot.gov

#### PRIMARY RESPONSIBILITIES

- R&T budget execution
- Funding certification
- Delphi review and research

#### MAJOR PROJECTS

- Accounting research, reconciliation, and reporting for RD&T/FHWA

#### BACKUP PERSON

Diana Martin

### Georgia Curtis

*Administrative Management Specialist*

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

#### PRIMARY RESPONSIBILITIES

- Activity 10 budget execution
- Travel management
- Contract administration and oversight

#### MAJOR PROJECTS

- Activity 10, research, reconciliation, and reporting
- COTR for clerical support contract
- Travel oversight and consultation

#### BACKUP PERSON

Freddie Forster

### Diana Martin

*Program Analyst*

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

#### PRIMARY RESPONSIBILITIES

- Financial management
- Acquisition review
- IT support oversight

#### MAJOR PROJECTS

- R&T accounts research, reconciliation, and reporting
- COTR for IT support contract
- PR/solicitation review

#### BACKUP PERSON

Sue Stanton

### 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
- FAIR inventory development

#### BACKUP PERSON

Doreen McCarthy

### Freddie Forster

*Administrative Management Specialist*

202-493-3298 · freddie.forster@fhwa.dot.gov

#### PRIMARY RESPONSIBILITIES

- RD&T employee development
- Purchase Card program oversight
- Accounting research and reconciliation

#### MAJOR PROJECTS

- RD&T Purchase Card program manager
- RD&T training manager
- Financial management assistance

#### BACKUP PERSON

Carol Roberts

### Denise Seward

*Administrative Management Specialist*

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

#### PRIMARY RESPONSIBILITIES

- Accountable property and inventory
- Performance measurement

#### MAJOR PROJECTS

- Accountable property management
- Performance management team

#### BACKUP PERSON

Georgia Curtis

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## Office of Resource Management, HRRM-01

*(continued)*

### **Sue Stanton**

*Program Analyst*

202-493-3480 · sue.stanton@fhwa.dot.gov

#### **PRIMARY RESPONSIBILITIES**

- Acquisition planning
- Contract administration and oversight
- COTR development and certification
- Facility management
- Business process review and improvement

#### **MAJOR PROJECTS**

- Advance Acquisition Planning System pilot
- COTR for Electronics Lab contract
- COTR certification program
- Facility capital planning, security and Continuity of Operations Plan (COOP)

#### **BACKUP PERSON**

Doreen McCarthy

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## 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

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# 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 R&T Coordinating Council
- Liaison with Transportation Research Board (TRB) R&T Coordinating Committee
- Focal point for coordination of international R&T programs

#### BACKUP PERSON

Tom Krylowski

### Vicki Rand

*Administrative Assistant*

202-493-3166 · vicki.rand@fhwa.dot.gov

#### PRIMARY RESPONSIBILITIES

- Administrative support

#### MAJOR PROJECTS

- Office and meeting support

### Tom Krylowski

*Senior Program Manager*

202-493-3470 · tom.krylowski@fhwa.dot.gov

#### PRIMARY RESPONSIBILITIES

- National R&T programs
- R&T program formulation in cooperation with headquarters and field offices
- Focal point for R&T budget issues
- Future Strategic Highway Research Program (F-SHRP)

#### MAJOR PROJECTS

- National Highway R&T programs
- Federal/State R&T program
- F-SHRP liaison
- Liaison with TRB Research and Technology Coordinating Committee

#### BACKUP PERSON

Norm Paulhus

### Norm Paulhus

*Transportation Specialist*

202-493-3491 · norm.paulhus@fhwa.dot.gov

#### PRIMARY RESPONSIBILITIES

- Development of R&T program plan and budget
- Development and review of legislative proposals
- Support for OST-level and multimodal R&T coordination
- Staff focal point for Office of Management and Budget (OMB) PART assessment and interagency research program reviews
- FHWA Small Business Innovation Research (SBIR) Program Manager
- Coordination with Research and Special Programs Administration (RSPA) for the University Transportation Center (UTC) Program

#### MAJOR PROJECTS

- Annual R&T budget
- Legislative proposals
- Headquarters and field office coordination
- Support for interagency working groups

#### BACKUP PERSON

Tom Krylowski

### Donna McEnrue

*Quality Coordinator, Research and Technology Program Manager*

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

#### PRIMARY RESPONSIBILITIES

- RD&T Leadership Council Secretariat
- RD&T Quality Program initiatives
- RD&T lab assessment process coordination

#### MAJOR PROJECTS

- RD&T Action Agenda
- Annual RD&T quality self-assessments
- RD&T lab assessment process

#### 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
- NCHRP coordination
- Liaison for NCHRP Projects 20-5 and 20-39(2)
- State peer exchange monitoring

#### BACKUP PERSON

Lisa Williams

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
- RD&T alternate for USDOT R&T Coordinating Council

**MAJOR PROJECTS**

- RD&T Performance Plan
- RD&T Performance Report
- RD&T Performance Management Working Group
- RD&T performance measures
- FHWA input into USDOT R&D Strategic Plan
- Interagency Working Group support

**BACKUP PERSON**

Donna McEnrue

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**Lisa Williams**

*Program Analyst/  
Transportation Pooled Fund (TPF) Coordinator*

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

**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

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## **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

*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*

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

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### **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 · zac.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

### **Velma Mackall**

*Reference Support*

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

#### **PRIMARY RESPONSIBILITIES**

- Technical Reference Center

#### **BACKUP PERSONS**

Kevin Connor

Zac Ellis

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### **Carlton Brigham**

*Onsite Manager*

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

#### **PRIMARY RESPONSIBILITIES**

- R&T Product Distribution Center, Lanham, MD

#### **BACKUP PERSON**

Kevin Connor



## 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

Director, HRDO-01

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
- Enhanced digital maps
- Surface transportation security and reliability information system model deployment

#### BACKUP PERSON

Robert Ferlis

### Selene Adams

Administrative Assistant

202-493-3303 · selene.adams@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

#### 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

#### 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 Lab (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

- Vehicle-highway automation
- Sensor-friendly vehicle and roadway methods
- Technical direction
- Team management and leadership

#### MAJOR PROJECTS

- Cooperative intersection collision avoidance (CICAS) systems
- 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

Enabling Technologies Team, HRDO-04

(continued)

**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 DOTs
- 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 development

**BACKUP PERSON**

James Arnold

## Office of Safety R&D

**Michael Trentacoste, Director**

Michael Griffith  
Technical Director for Safety

Jack Jernigan  
Technology Facilitator

### **Roadside Team**

Leonard Meczkowski, Team Leader

### **Roadway Team**

Ray Krammes, Team Leader

### **Safety Management Team**

Carol Tan, Team Leader

### **Human Centered Systems Team**

Tom Granda, Team Leader

# Office of Safety R&D

Fax: 202-493-3170 (HRDS-01) • Fax: 202-493-3374 (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

- F-SHRP 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

Michael Griffith

### Elke Lower

*HRDS-01 Secretary*

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

#### PRIMARY RESPONSIBILITIES

- Administrative support

#### MAJOR PROJECTS

- Office management

## Technical Director, HRDS-02

### Michael Griffith

*Technical Director*

202-493-3316 • mike.griffith@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
- Effectiveness of red-light running cameras
- Highway safety manual

#### BACKUP PERSON

Jack Jernigan

### Jack Jernigan

*Technology Facilitator*

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

#### PRIMARY RESPONSIBILITIES

- Deployment of RD&T products
- Customer feedback

#### MAJOR PROJECTS

- Technology facilitation strategy development
- Customer satisfaction survey

#### BACKUP PERSON

Michael Griffith

### Cara Wood

*Administrative Assistant*

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*

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

#### PRIMARY RESPONSIBILITIES

- Administrative support

#### MAJOR PROJECTS

- Support for Roadside and Roadway Teams

## Roadside Team, HRDS-04

### Leonard Meczowski

*Team Leader*

202-493-3317 • leonard.meczowski@fhwa.dot.gov

#### PRIMARY RESPONSIBILITIES

- Roadside Team Leader
- Management of FHWA/National Highway Traffic Safety Administration (NHTSA) National Crash Analysis Center (NCAC)
- Analysis and design of anti-ram barriers

#### MAJOR PROJECTS

- FHWA/NHTSA NCAC management
- Roadside Safety R&D plan
- Development of anti-ram barriers

#### BACKUP PERSON

Mort Oskard

## Roadside Team, HRDS-04

(continued)

### Martin Hargrave

Research Mechanical Engineer

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

#### PRIMARY RESPONSIBILITIES

- Improvement of finite element analysis (FEA) as a tool for the crashworthy analysis of roadside safety devices
- Development of side-impact crashworthy analysis procedures for roadside safety hardware
- Application of high-performance (composite) materials to roadside safety devices

#### MAJOR PROJECTS

- FEA improvements applied to roadside safety applications
- Side-impact: test procedures and preliminary countermeasures
- Composite material guardrail system development

#### BACKUP PERSON

Leonard Meczowski

### Vacant

Structural Engineer

202-493-3313

#### PRIMARY RESPONSIBILITIES

- Testing and development of new and improved traffic barriers
- Federal Outdoor Impact Lab (FOIL)

#### MAJOR PROJECTS

- FEA of roadside safety hardware
- Development of new and improved guardrails, transition sections, and aesthetic traffic barriers
- Development of energy-absorbing utility poles and break-away guy wires

#### BACKUP PERSON

Leonard Meczowski

### 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

Leonard Meczowski

## 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

#### MAJOR PROJECTS

- Interactive Highway Safety Design Model (IHSDM)

#### BACKUP PERSONS

Joe Bared  
A.J. Nedzesky

### Carl Andersen

Physicist

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

#### PRIMARY RESPONSIBILITIES

- Arens Photometric and Visibility Lab
- Roadway visibility research

#### MAJOR PROJECTS

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

#### BACKUP PERSON

Ken Opiela

### 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

- Development of high-volume signalized intersections informational guide
- Implementation of surrogate safety assessment methods in traffic simulation models
- Safety and operational analyses of intersection and interchange design alternatives

#### BACKUP PERSON

Ray Krammes

### A.J. Nedzesky

Highway Research Engineer

202-493-3369 · aj.nedzesky@fhwa.dot.gov

#### PRIMARY RESPONSIBILITIES

- Traffic engineering and safety

#### MAJOR PROJECTS

- Speed management research program

#### BACKUP PERSON

Ray Krammes

### Ken Opiela

Highway Research Engineer

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

#### PRIMARY RESPONSIBILITIES

- Visibility
- Work zones
- Traffic control devices

#### MAJOR PROJECTS

- Development of updated minimum levels for sign retroreflectivity
- Development of methods for maintaining traffic sign retroreflectivity
- Pavement marking retroreflectivity needs
- Work zone accident exposure analysis
- Work zone safety for new drivers

#### BACKUP PERSONS

Carl Andersen  
Ray Krammes

## Roadway Team, HRDS-05

(continued)

### Kerry Perrillo

Highway Research Engineer

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

#### PRIMARY RESPONSIBILITIES

- Traffic engineering and safety

#### MAJOR PROJECTS

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

#### BACKUP PERSON

Ray Krammes

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## Safety Management Team, HRDS-06

### Carol Tan

Team Leader

202-493-3315 · carol.tan@fhwa.dot.gov

#### PRIMARY RESPONSIBILITIES

- Highway safety analysis
- Highway safety data
- Geometric design and safety
- Geographic Information System safety applications
- Safety management systems
- Pedestrian and bicycle safety
- SafetyAnalyst development support

#### MAJOR PROJECTS

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

#### BACKUP PERSONS

Ann Do  
Janet Bahouth

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### Janet Bahouth

Transportation Specialist

202-493-3320 · janet.bahouth@fhwa.dot.gov

#### PRIMARY RESPONSIBILITIES

- Traffic Engineering and Safety
- Highway Safety Analysis

#### MAJOR PROJECTS

- Rollover Causation Study

#### BACKUP PERSON

Carol Tan

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### 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

Carol Tan

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### 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

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## 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 development
- HCS technical support coordination

#### MAJOR PROJECTS

- HCS safety research program
- HCS operations research program
- TMC Pooled Fund Study

#### BACKUP PERSON

Joe Moyer

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### Greg Davis

*Engineering Research Psychologist*

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

#### PRIMARY RESPONSIBILITIES

- HCS safety research

#### MAJOR PROJECTS

- Research on intersections
- ITS technology development

#### BACKUP PERSON

Tom Granda

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### Joe Moyer

*Engineering Research Psychologist*

202-493-3370 · joe.moyer@fhwa.dot.gov

#### PRIMARY RESPONSIBILITIES

- HCS Lab Manager
- Safety and operations research

#### MAJOR PROJECTS

- Visibility studies
- Pooled fund study of traffic control devices
- Driver Performance Model development

#### BACKUP PERSON

Tom Granda

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### Gabriel Rousseau

*Engineering Research Psychologist*

202-493-3383 · gabriel.rousseau@fhwa.dot.gov

#### PRIMARY RESPONSIBILITIES

- HCS safety research

#### MAJOR PROJECTS

- Speed management research
- Pedestrian and bicycle safety research

#### BACKUP PERSON

Joe Moyer

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## Office of Infrastructure R&D

**Paul Teng, Director**

**Steve Chase,  
Research Program Manager for Infrastructure**

Doug Brown, Program Coordinator  
Ian Friedland, Technical Director, Bridges & Structures R&D  
Cheryl Richter, Technical Director, Pavement R&D  
Richard Livingston, Advanced Research Coordinator

### **Bridge Design and Construction Team**

Bob Kogler, Team Leader

### **Bridge Safety, Reliability, and Security Team**

Sheila Duwadi, Team Leader

### **Infrastructure Inspection and Management Team**

Vacant, 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-06, HRDI-10)

Fax: 202-493-3161 (HRDI-04, HRDI-11, HRDI-12, HRDI-13)

## Office of Infrastructure R&D, HRDI-01

### Paul Teng

*HRDI-01 Director*

202-493-3022 • paul.teng@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 Centers

#### MAJOR PROJECTS

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

#### BACKUP PERSON

Steve Chase

### 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

### Esther Camaño

*HRDI-01 Administrative Assistant*

202-493-3022 • esther.camano@fhwa.dot.gov

#### PRIMARY RESPONSIBILITIES

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

### Doug Brown

*HRDI-02 Program Coordinator*

202-493-3146 • doug.brown@fhwa.dot.gov

#### PRIMARY RESPONSIBILITIES

- Office operations
- Administrative program coordination

#### MAJOR PROJECTS

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

### Ian Friedland

*HRDI-03 Technical Director for Bridges & 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

### Cheryl Richter

*HRDI-04 Technical Director for 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

### Janet Klein

*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

## Office of Infrastructure R&D

(continued)

### Monique Williams

Administrative Assistant

202-493-3143 · monique.williams@fhwa.dot.gov

#### 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

## Bridge Design and Construction Team, HRDI-06

### Bob Kogler

Team Leader

202-493-3080 · bob.kogler@fhwa.dot.gov

#### PRIMARY RESPONSIBILITIES

- Bridge Design and Construction Team Leader
- Bridge corrosion protection
- Steel bridge coating research
- Coating systems

#### MAJOR PROJECTS

- Bridge of the future
- Bridge coatings guidelines
- Hazardous bridge coatings
- Bridge coatings inspection
- Steel bridge paint system

#### BACKUP PERSON

Bill Wright

### William Wright

Structures Laboratory Manager

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

#### PRIMARY RESPONSIBILITIES

- Structures Lab 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

Joseph Hartmann

### 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

### Joseph Hartmann

Research Structural Engineer

202-493-3059 · joseph.hartmann@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 Design and Construction Team, HRDI-06

(continued)

### Masoud Nasabzadeh

Engineering Technician

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

#### PRIMARY RESPONSIBILITIES

- Instrumentation
- Hardware and software maintenance and consultation

#### MAJOR PROJECTS

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

#### BACKUP PERSON

Bill Wright

### Al DiMillio

Geotechnical Research Engineer

202-493-3035 · al.dimillio@fhwa.dot.gov

#### PRIMARY RESPONSIBILITIES

- Geotechnical engineering
- Shallow foundation systems
- Ground improvement technology

#### MAJOR PROJECTS

- Spread footing design for settlement
- Micropile systems for seismic retrofit
- Deep soil mixing for excavation
- National system of geotechnical test sites

#### BACKUP PERSONS

Mike Adams  
Carl Ealy

### Mike Adams

Geotechnical Research Engineer

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

#### PRIMARY RESPONSIBILITIES

- 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 PERSONS

Al DiMillio  
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 PERSONS

Al DiMillio  
Mike Adams

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

### Sheila 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

### 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 Duwadi  
Harold Bosch  
Sterling Jones

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

(continued)

### Harold Bosch

Research Structural Engineer

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

#### PRIMARY RESPONSIBILITIES

- Aerodynamics Lab 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

Hamid Ghasemi

### 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

### Sterling Jones

Research Hydraulic Engineer

202-493-3043 · sterling.jones@fhwa.dot.gov

#### PRIMARY RESPONSIBILITIES

- Hydraulics Lab Manager
- Hydraulics and hydrology

#### MAJOR PROJECTS

- Hydraulic research program
- Bridge scour guidelines
- Woodrow Wilson scour study
- Culvert study
- Bottomless culverts

#### BACKUP PERSON

Sheila Duwadi

### Hamid Ghasemi

Research Structural Engineer

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

#### PRIMARY RESPONSIBILITIES

- Structural health monitoring
- Bridge dynamics
- Earthquake protective systems
- NDE of bridge members
- Bridge design, analysis, and computer modeling
- 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
- Liaison for several NCHRP projects
- Near-source ground motions

#### BACKUP PERSON

Phillip Yen

### 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

Sterling Jones

## Infrastructure Inspection and Management Team, HRDI-10

### Vacant

Team Leader

#### PRIMARY RESPONSIBILITIES

- Infrastructure Inspection and Management Team Leader

#### MAJOR PROJECTS

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

### Vacant

Program Manager

#### PRIMARY RESPONSIBILITIES

- Bridge NDE
- NDE Validation Center Manager

#### 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

## Infrastructure Inspection and Management Team, HRDI-10

(continued)

### Shuang-Ling Chong

Research Chemist

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

#### PRIMARY RESPONSIBILITIES

- Bridge coating research
- Paint testing and coating evaluation methods
- Oversight of Paint, Corrosion, and Scanning Electron Microscope Labs
- 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

### 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

### 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

## 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) experiment
- Understanding the performance of modified binders in asphalt mixes

#### BACKUP PERSONS

Terry Mitchell  
Jack Youtcheff  
Peter Kopac

### Jack Youtcheff

Materials Research Chemist

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

#### PRIMARY RESPONSIBILITIES

- Asphalt Group Leader
- Chemistry Lab 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 Materials and Construction Team, HRDI-11

(continued)

### Terry Mitchell

Senior Materials Research Engineer

202-493-3147 · terry.mitchell@fhwa.dot.gov

#### PRIMARY RESPONSIBILITIES

- ALF Manager
- Asphalt technology
- Performance-related specifications

#### MAJOR PROJECTS

- Performance-related specifications
- AASHTO Materials Reference Lab (AMRL) Coordination
- ALF operation
- Understanding the performance of modified binders in asphalt mixes

#### BACKUP PERSON

Tom Harman

### Ernest Bastian

Materials Research Chemist

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

#### PRIMARY RESPONSIBILITIES

- SIMAP Lab Manager
- Asphalt rheology and chemistry

#### MAJOR PROJECTS

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

#### BACKUP PERSON

Jack Youtcheff

### Nelson Gibson

Materials Research Engineer

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

#### PRIMARY RESPONSIBILITIES

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

#### MAJOR PROJECTS

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

#### BACKUP PERSON

Terry Mitchell

### Peter Kopac

Highway Research Engineer

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

#### 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

### 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

### 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

### Vacant

Materials Research Engineer

#### PRIMARY RESPONSIBILITIES

- PCC Labs 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



## Pavement Design and Performance Modeling Team, HRDI-12

### Katherine Petros

*Team Leader*

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

#### PRIMARY RESPONSIBILITIES

- Pavement design and performance modeling

#### MAJOR PROJECTS

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

#### BACKUP PERSON

James Sherwood

### Vacant

*Highway Research Engineer*

202-493-3148

#### PRIMARY RESPONSIBILITIES

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

#### MAJOR PROJECTS

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

#### BACKUP PERSON

Katherine Petros

### Vacant

*Highway Research Engineer*

202-493-3149

#### PRIMARY RESPONSIBILITIES

- Truck-pavement interaction modeling

#### MAJOR PROJECTS

- Heavy vehicle/tire impacts on pavement damage
- Mechanistic analysis of pavement structures/life-cycle costing
- Asphalt performance prediction modeling

#### BACKUP PERSONS

Katherine Petros  
James Sherwood

### 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

- Concrete performance prediction modeling
- Long-range plan for concrete pavement technology
- Ultra-thin whitetopping

#### BACKUP PERSONS

Katherine Petros

## 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
- LTPP daily operations
- LTPP technical support services
- LTPP international coordination
- 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 Lab
- Layer thickness using GPR
- Regional contract support
- Resilient Modulus testing
- TRB ETG on LTPP materials and Falling-Weight Deflectometer (FWD) data collection and analysis

#### BACKUP PERSON

Aramis López

## Long-Term Pavement Performance Team, HRDI-13

(continued)

### Larry Wiser

Highway Research Engineer

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

#### PRIMARY RESPONSIBILITIES

- LTPP data analysis
- LTPP profile measurement
- LTPP data studies and computed parameters

#### MAJOR PROJECTS

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

#### BACKUP PERSON

Aramis López

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### 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

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### 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 back-casting

#### BACKUP PERSON

Aramis López

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### 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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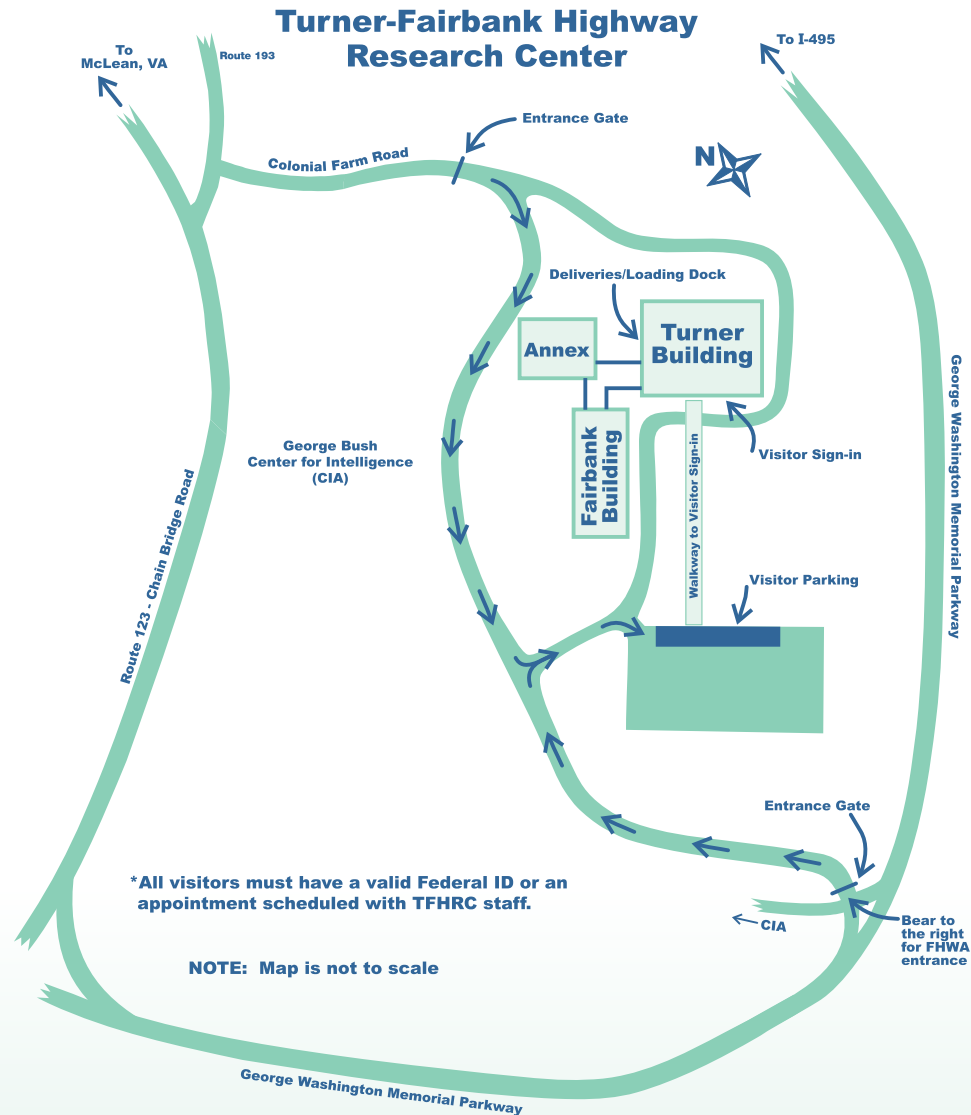
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Persaud	Rudy	202-493-3391	T-204	HRDO-04	15
Petros	Katherine	202-493-3154	F-209	HRDI-12	28
Rand	Vicki	202-493-3166	T-305	HRPD-01	7
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Roberts	Carol	202-493-3185	T-310	HRRM-01	5
Rousseau	Gabriel	202-493-3383	T-210	HRDS-07	20
Seward	Denise	202-493-3471	T-310	HRRM-01	5
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Wright	William	202-493-3053	A-103	HRDI-06	23
Yen	Phillip	202-493-3056	T-111	HRDI-07	25
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Zaccagnino	Bill	202-493-3183	T-305	HRPD-01	7

# 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.