RECOMMENDED ACTION(S):

Consider authorizing Director Young to attend the Transportation Research Board-sponsored International Conference on Demand Responsive Transportation on April 15-18, 2018 in New York, New York.

BACKGROUND/RATIONALE:

Pursuant to Board Policy 155, all out-of-state travel for Directors and Officers to attend a conference or a meeting related to District business and at District expense, shall be approved by action of the Board of Directors prior to incurring expenses. This travel authorization has been prepared in accordance with Board Policy 155.

The Transportation Research Board-sponsored International Conference on Demand Responsive Transportation will be held on April 15-18, 2018 in New York, New York. This conference provides a venue for paratransit providers, researchers, and policy makers to discuss service delivery methods and policies; exchange knowledge with international operators; learn from suppliers and academics about advances in information technology, vehicles, and equipment; exchange insights with health care providers regarding health-related transportation; and explore the impacts of Transportation Network Companies (Uber, Lyft, etc.) on demand-responsive transit.

Because details on the workshops and sessions will not be available until the end of 2017, attached is the program from the previous conference held in September 2016.

Pursuant to Board Policy 155, Directors are to provide a brief oral or written summary of their activities and/or information learned during the trip not later than the next Board meeting, upon return from the trip.

In accordance with Policy 155, the Board is asked to authorize out-of-state travel to the Transportation Research Board-sponsored International Conference on Demand Responsive Transportation for the aforementioned Director.
BUDGETARY/FISCAL IMPACT:

Estimated costs:

- Conference Fee (For members) $500.00
- Airfare $450.00
- Lodging (6 nights @ $300/night) $1,800.00
- Per diem (7 days @ $74/day IRS rate) $481.00*
- Ground Transportation (7 days @ $30/day) $210.00

Total $3,441.00

*Reduced amount for first and last days of travel; excludes conference provided meals included in the registration fee.

ADVANTAGES/DISADVANTAGES:

The International Conference on Demand Responsive Transportation provides networking opportunities for public transportation officials and their international counterparts. The impact on the District of sending Director Young to the conference would be entirely positive.

ALTERNATIVES ANALYSIS:

There are no practical alternatives to the course of action recommended in this report.

PRIOR RELEVANT BOARD ACTION/POLICIES:

Board Policy 155 – Travel and Meeting Expense Reimbursements for Directors and Board Officers.

ATTACHMENTS:

1. 2016 International Conference on Demand Responsive Transportation Program

Approved by: Linda A. Nemeroff, District Secretary
Prepared by: Doreen Mathews, Executive Administrative Assistant
International Conference on Demand Responsive Transportation: Paratransit from Dial-a-Ride to Technology Enabled Services

September 26-28, 2016
The Village at Breckenridge
Breckenridge, CO

Organized by
Transportation Research Board

Sponsored by
Standing Committee on Paratransit (AP060)
Sunday, September 25

3:00 p.m. - 6:00 p.m., Atrium Lobby
Registration

5:00 p.m., Hotel Lobby
Informal Gathering

Monday, September 26

7:30 a.m. - 5:00 p.m., Atrium Lobby
Registration

7:30 a.m. - 8:00 a.m., Miners A/B
Continental Breakfast

8:00 a.m. - 8:15 a.m., Ten Mile
Introduction to the Conference

8:15 a.m. - 10:00 a.m., Ten Mile
Plenary Session
New Paradigms, Part 1: Economics, Actors and Roles
Moderator: Roger Teal, DemandTrans Solutions, Inc.

Adapting the Best Elements of the Danish Approach to Combine Several Types of Transportation
Niels Tvilling Larsen, Flex Denmark

Public Transport Agency Opportunities and Challenges in Adopting the New Paradigms
Jeff Becker, Regional Transportation District - Denver

Shared Mobility and Transit: What's Moving Forward, What's Lagging and Why
Bruce Schaller, Schaller Consulting

A System in Flux: Who Are the Actors Who Can Understand the Opportunity and Manage the Change Process?
Arnd Bätzner, Mobility CarSharing, Switzerland

Navigating the Entrepreneurial Landscape of Shared-use and Public Transportation
Aarjav Trivedi, RideCell

New Public-Private Partnerships with TNCs for Service Delivery
Andrew Salzberg, Uber

10:00 a.m. - 10:30 a.m., Miners A/B
Break
10:30 a.m. - 12:15 p.m., Ten Mile

**Plenary Session**

Transit + Shared Mobility: Odd Couple or Happy Marriage?
Moderator: Buffy Ellis, KFH Group, Inc.

- **Living in an App-enabled World: Implications for Transit Agency Leadership, Management and Service Delivery**
  Bruce Schaller, Schaller Consulting

- **Transit and New Shared-Use Modes: Key Questions from the Transit Agency Perspective**
  Brendon Hemily, Hemily and Associates

- **"Leading the Care Revolution"**
  Feda Adra, Comlink

- **Shared Mobility and Cultural Change in Public Transit Provision**
  Ria Lo, Nelson\Nygaard Consulting Associates

12:15 p.m. - 1:15 p.m., Elk

Lunch

1:30 p.m. - 3:15 p.m.

**Concurrent Sessions**

Session 1A, Ten Mile

**Tailoring Service to Fit the Market, Part 1: Big, Small or In-Between**
Moderator: Arnd Bätzner, Mobility CarSharing, Switzerland

- **Zone Based Structured Scheduling: A Case Study in Lee County, North Carolina**
  Jeremy Scott, North Carolina State University

- **Designing for People's Needs, in Real Time: On-Demand Transit**
  Sarah Rienhoff, Via Transportation, Inc.

- **Barriers to and Opportunities for the Implementation of Large-scale DRT Schemes - A Case Study: The United Kingdom**
  Barry Connor, Consultant, (retired) West Midlands Special Needs Transport (UK)

- **First/Last Mile Partnership With TNC, Taxi and Van: Case Studies in Centennial, Colorado and St Petersburg, Florida**
  Gabe Cohen, Lyft and Ross Silvers, PSTA

Session 1B, Forest

**Organizational Change: A Look To The Future**
Moderator: Steve Yaffe, Arlington County (ART & STAR)

- **Sustainable Demand Responsive Transit Services**
  Steven Yaffe, Arlington County (ART & STAR)

- **The Future of Mobility is Now: How Transit Agencies are Navigating Innovative Services and Technologies as Resources and Solutions**
  Will Rodman, Nelson\Nygaard Consulting Associates

- **Implementing Alternative Service Models: A Private Provider Perspective**
  Dick Alexander, TransDev

- **How Transit Agencies Use Taxis for DRT Service and Impacts from the Rise of TNCs**
  Buffy Ellis, KFH Group, Inc.
3:15 p.m. - 3:45 p.m., Miners A/B
Break

3:45 p.m. - 5:30 p.m.
Concurrent Sessions

Session 2A, Forest
Tailoring Service to Fit the Market, Part 2: What Makes Customer and Business Sense for You?
Moderator: Arnd Bätzner, Mobility CarSharing, Switzerland

One Size Does Not Fit All: Understanding When and Where to Use TNCs Compared to DRT
Randall Farwell, Tindale-Oliver & Associates, Inc.

DRT Services to Fill the Gap between Fixed Route and Paratransit
Kristen Mazur, San Francisco Municipal Transportation Agency (SFMTA)

Mobility Challenges in EU Low Density Areas, Trends and Solutions. Presentation of a Case Study in Delemont.
Anne Mordret, UITP Smart Platform

Energy and Sustainability of Demand Responsive Transport
Stanley Young, National Renewable Energy Laboratory

Session 2B, Elk
Roundtable Discussions On Burning Topics You Select

Roundtable A: Discovering Synergies in Health and Transportation Partnerships
- Heidi Guenin, GridWorks
- Mary Leary, US DOT FTA
- Steve Andrle, Transportation Research Board

Roundtable B: How Do We Know What’s Working? Reporting on Performance
- Yngve Westerlund, Mobistik, Sweden
- Linda Cherrington, Texas A&M Transportation Institute

Roundtable C: Considering Open Source Software and Data Specifications – Benefits and Challenges for DRT
- Paul Sorensen, Cambridge Systematics
- Ryan Taylor, Utah Transit Authority

Roundtable D: Mobility on Demand (MOD), Mobility as a Service (Maas)
- Transit Partnerships with taxis and TNCs
- Automated vehicles and automated transit networks

6:00 p.m. - 7:30 p.m., Ten Mile
Posters & Sponsored Reception
Moderator: David Chia, The Collaborative, Inc.

A Study on the Replacement of Private Cars with Shared Autonomous Electric Vehicles
Farhan Javed, University of Virginia

Paratransit Skills Assessment Reliability Study with Adults on the Autism Spectrum
Cecilia Feeley, Rutgers University

Keeping Up with Success: The Constant Refresh of Mobility Management in Marin County
Erin McAuliff, Marin Transit

Practical Experience in the use of Technologies to Enhance Paratransit Service Delivery
Mark Mindorff, DARTS Transit

International Conference on Demand Responsive Transportation: Paratransit from Dial-a-Ride to Technology Enabled Services
Blythe Wellness Express: A Rides to Wellness Demonstration Project
Heather Menninger and Valerie Mackintosh, AMMA

Estimate of Fuel Consumption and GHG Emission Impact from an Automated Mobility District
Stanley Young, National Renewable Energy Laboratory

GTFS-Flex Modeling of DRT Services: A Denver RTD Application
Nihit Jain, IBM Group

The Collective DRT Services Model and Costs in Denmark’s Municipalities and Health Regions
Henrik Levin Høj Wiingreen, Deloitte

One Mobile Transit App for All Riders: First Mile, Last Mile Innovation
Sharon Doyle, York Regional Transit and Rob Bryans, RouteMatch Software

Tuesday, September 27

7:30 a.m. - 5:00 p.m., Atrium Lobby
Registration

7:30 a.m. - 8:00 a.m., Miners A/B
Continental Breakfast

8:00 a.m. - 9:45 a.m., Ten Mile
Plenary Session
Technology: The New Framework for DRT
Moderator: Niels Twilling, Flex Denmark

Transit Redefined: Managing Public and Private Transportation with a Unified Operating System
Aarjav Trivedi, RideCell

The "New" Economics of Demand Responsive Transit
Roger Teal, DemandTrans Solutions, Inc.

All Components are in Place to Migrate Towards Mobility as a Service (Maas) in Urban Areas
Johanna Taskinen, Tuup Oy

Implementation of New Flexible Transport Solutions in the Province of Gelderland
Otto Cazemier, Mobycon, Neterlands

9:45 a.m. - 10:15 a.m., Miners A/B
Break

10:15 a.m. - Noon
Concurrent Sessions

Session 3A, Ten Mile
Performance, Planning, and Service Innovation
Moderator: Linda Cherrington, Texas A&M Transportation Institute

Measuring Performance for DRT: the U.S. Experience
Buffy Ellis, KFH Group, Inc.

What We have Learned (and Continue to Learn) from the FTA Paratransit Reviews
David Chia, The Collaborative, Inc.
Data Driven Planning: Using 1-Click Data to Assess Transportation Gaps
Paul Sorensen, Cambridge Systematics, Inc.

Maximizing Efficiency and Productivity of Agency Resources
Jeff Zarr, Trapeze

Relevant Key Performance Indicators for DRT: Scandinavian Experience
Yngve Westerlund, Mobistik, Sweden

Session 3B, Forest
Digital Solutions to Benefit Travelers and Service Providers
Moderator: Chad Ballentine, Capital Metro

Shared Mobility and the Transformation of Demand Responsive Transit: Opportunities and Complications
Colin Murphy, Shared-Use Mobility Center (SUMC)

The Convergence of One-Click Systems, Paratransit Booking/Scheduling Software, and Mobile Technologies
Will Rodman, Nelson\Nygaard Consulting Associates

Using Technology to Enhance the Coordination of Services for the Transportation-Disadvantaged in Multi-Provider Communities: Planning a Travel Management Coordination Center (TMCC)
Brendon Hemily, Hemily and Associates

Mobility on Demand: Where Innovations Empower All Travelers
Gwo-Wei Torng, US DOT FTA

Noon - 1:00 p.m., Elk
Lunch with Keynote Speaker
Rediscover Mobility’s Past, Change Mobility’s Future
Peter Norton, University of Virginia Department of Engineering & Society

1:15 p.m. - 3:00 p.m., Ten Mile
Plenary Session
New Paradigms Part 2: Prospects for Implementation
Moderator: Jeff Becker, Regional Transportation District - Denver

Panelists:
Changing Role of Transportation Authorities and Taxi-operators in Dutch DRT-systems
Guy Hermans

FTA’s Vision for Flexible and Connected Services and Facilitating their Adoption
Gwo-Wei Torng, US DOT FTA

A European Perspective on Incorporating DRT with Public Transportation
André Burri, UITP

How the Taxicab Industry is Adapting to Competition from Transportation Network Companies
Hal Morgan, Taxicab Limousine & Paratransit Foundation

Opportunities and Barriers in Paratransit for Technology-enabled Cost-effectiveness Improvements
Sarah Boden

Developing Community Transport Services in Germany: Engaging Providers with Customers
Martin Schiefelbusch, NVBW - Nahverkehrsgesellschaft, Germany

3:00 p.m. - 3:30 p.m., Miners A/B
Break

International Conference on Demand Responsive Transportation: Paratransit from Dial-a-Ride to Technology Enabled Services
3:30 p.m. - 5:30 p.m.
Concurrent Sessions

Session 4A, Ten Mile
Open Source and Low Cost Technology
Moderator: Niels Tving, Flex Denmark

RidePilot: Open Source Scheduling for Small Transportation Providers
Paul Sorensen, Cambridge Systematics

The RAMSES Platform: Empowering Rural Community Transport by Low-cost Digital Solutions
Tobia Kuttler, Technical University Berlin

Unlocking the Advantage of Open Source Products
Eric Ziering, Cambridge Systematics

Automatic Transfer of Demand Response Trip Data between Providers
Suzanne O'Neill, TransitPlus

Session 4B, Forest
Introducing New Technology and New Concepts
Moderator: Roger Teal, DemandTrans Solutions, Inc.

Introduction of e-Hail in the SF Paratransit Taxi Program
Annette Williams, San Francisco Municipal Transportation Agency (SFMTA)

DRT: Bridging the Gap between Public & Private Options
Pepper Harward, RouteMatch

Installing Taxicards in Subsidized Taxi Programs: What Role Should New Technology Play in the Context of the Ailing Taxi Industry?
Terra Curtis, Nelson\Nygaard Consulting Associates

DRT as a Part of Integrated Public Transport Network: An Integrated, Combined and Technology Based System
Odette Buntinx, De Lijn (Public Transport Company)
Wednesday, September 28

7:30 a.m. - 10:00 a.m., Atrium Lobby
Registration

7:30 a.m. - 8:00 a.m., Miners A/B
Continental Breakfast

8:00 a.m. - 10:00 a.m., Concurrent Sessions

Session 5A, Ten Mile
It Isn't Easy Getting to the Doctor, But It's Worth It
Moderator: Mary Leary, US DOT FTA

Overview of FTA Health and Transportation Project Results
Mary Leary, US DOT FTA

Health Tran, an Innovative Healthcare Access Solution
Suzanne Alewine, Missouri Rural Health Association

Creating a Reliable Transportation Program for Outpatient Dialysis Treatment
Julie Wicke, Ride Connection

Building Healthcare DRT in Denmark Over the Last 20 Years
Niels Tvilling Larsen, Flex Denmark

Roles of the Federal and Local Government in Improving Local Programs for Healthcare-related Transportation
Lynn Filla Clark, GAO

Exploring Data at the Intersection of Health and Transportation Case Study: Family Health Center, Worcester, MA
Sarah Anderson; Amherst College

Partnering with Insurers
Perry Meadows, Geisinger Health

Session 5B, Forest
Technology Forum: A Look Inside The Crystal Ball
Moderator: Sarah Boden

Panelists:
• Matthew Mohebbi, IT Curves
• Jeff Zarr, Trapeze
• Alaina Macia, MTM
• Kevin Chambers, Ride Connection
• Valerie Lefler, Liberty Mobility Now Inc.
• Roger Teal, DemansTrans Solutions
• Ryan Larsen, Ecolane
• Joel Bush, TransLoc

10:00 a.m. - 10:30 a.m., Miners A/B
Break
10:30 a.m. - Noon, Ten Mile
Closing Plenary Session
What did We Learn? What's Ahead for Us to Discover?
Moderator: David Chia, The Collaborative, Inc.

Service Concepts & Markets
Arnd Bätzner, Mobility CarSharing, Switzerland

Organizational Development for Service Delivery
Otto Cazemier, Mobycon, Netherlands

Planning and Performance
Lind Cherrington, Texas A&M Transportation Institute

Health-care Related Transportation
Mary Leary, US DOT FTA

Technology-enabled Innovations
Niels Tvilling Larsen, Flex Denmark

2:00 p.m.
Sponsored Shuttle to Denver Workshop Hotel