



2nd ANNUAL FLORIDA
TRANSPORTATION
DATA SYMPOSIUM

BIG DATA FOR BETTER BUSINESS DECISIONS

PARTICIPANT PROGRAM
AUGUST 18-20, 2015
OMNI ORLANDO AT CHAMPIONSGATE
ORLANDO, FLORIDA



WELCOME TO THE 2ND ANNUAL FLORIDA TRANSPORTATION DATA SYMPOSIUM - 2015

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MISSION

The Data Symposium will bring together public and private data providers to share knowledge regarding needs, availability, and methods for sharing and integrating data to provide optimum value and use by FDOT and its partners.

We look forward to exploring new and exciting data/information collection, management and reporting techniques through the breakout sessions, vendor displays and posters. The outcome will be the identification of issues, challenges and opportunities for FDOT and partners to take transportation data to the next level in Florida.



AUDIENCE

The 2nd Annual Florida Transportation Data Symposium is focused towards governmental agencies (FHWA, MPOs), local governments, planning councils, and other state governments, academia, and FDOT management associated with transportation data management, as well as those involved with multi-modal planning, freight planning, ITS/operations, traffic operations and asset management. To raise the awareness of this important issue, FDOT District Secretaries and Directors will be invited. Private sector participation is equally essential for success of this Symposium.

2014 Data Symposium Attendees



A LETTER FROM: RICHARD M. BITER, FDOT ASSISTANT SECRETARY



Transportation data accumulation and usage is a daily occurrence within the state of Florida. FDOT and its partners currently collect and report on a variety of transportation data to accomplish business objectives. This data includes but

is not limited to roadway performance, condition and inventory. The data is multimodal, covering highway, aviation, rail, seaport, transit, pedestrian and bicycle travel/movement/management and facilities. The data is used for a variety of business functions including asset management, performance measurement, planning, operations, maintenance and preservation of the multimodal transportation system.

FDOT is interested in maximizing efficiency in collecting and disseminating such data and ensuring the information derived from the data is directly relevant to business decision making and the needs of the public. FDOT recognizes that there are a variety of private sector data solutions utilizing technology to provide similar data and information.

It is important that we take advantage of the collaboration between public and private transportation data providers. By doing so, knowledge

will be shared regarding data needs, availability and methods for sharing and integrating data to provide ideal value and use by FDOT and its partners.

Today's technology has allowed FDOT to independently utilize data for a competitive advantage. In addition to FDOT, corporations and organizations around the globe are realizing the value of big data and analytics. Technology and researchers are able to delve through large data accretions to perform analytics and discover important trends. These trends and uses of technology have become a very useful factor in all realms of the FDOT.

By planning for improvements in data accumulation and management, we are in a better position for Florida to capitalize on data implementation, and send a message to our private sector partners that Florida is the state for their data practice.

We welcome you to the 2nd Annual Florida Transportation Data Symposium at the beautiful OMNI Orlando at Champions Gate to explore the data that drives our business decisions.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Richard Biter'.

Richard Biter
Assistant Secretary
Intermodal Systems Development

Host Committee

Ed Hutchinson, FDOT
Joel Worrell, FDOT
Dee Kring, FICE
Tanner Martin, HNTB Corporation
Kaitlin Porter, HNTB Corporation

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PLENARY SPEAKER BIOGRAPHIES



Jeff Brandes
Florida District 22, and
Chairman Transportation Senate
Committee

Jeff Brandes is a Florida State Senator and Chair of the state senate's Transportation Committee.

Sen. Brandes has been a longtime supporter of

improving transportation across the state and a backer of innovative solutions. As chair of the state senate's transportation committee, Sen. Brandes has been an advocate for forward-looking projects, including the autonomous and connected vehicle test site managed by the Tampa Hillsborough Expressway Authority on a stretch of the Selmon Expressway. He also is on the advisory board of the Florida Inventors Hall of Fame in Tampa.

Born in St. Petersburg, Sen. Brandes served the area as a Florida State Representative from 2010 to 2012. He was elected to the Florida Senate in 2012. A veteran, Sen. Brandes served in the U.S. Army Reserves from 1996 to 2007 and was a Transportation Officer for several years. His service also included a tour of duty in the Iraq War from 2003 to 2004.



April Blackburn
Office of Information
Systems, FDOT

April Blackburn is an IT leader operating in Florida's public sector. With more than 25 years of experience operating in the IT public sector, April specializes

in developing and implementing IT strategies based upon agility, just-in-time solutions, and business requirements. April's career with the State of Florida began in 1989 where she first landed a part time position with the Florida Department of Transportation. In May 2015 she became FDOT's Chief Information Officer where she is responsible for a staff of 300 which serve the agency's Information Technology needs.



Richard M. Biter
Assistant Secretary of
Intermodal Systems
Development, FDOT
Richard Biter is the
Assistant Secretary of
Intermodal Systems
Development for the
Florida Department
of Transportation. He
also serves as Vice-
Chair of AASHTO's

(American Association of State Highway and Transportation Officials) Special Committee on Intermodal Transportation and Economic Expansion. Mr. Biter served as a Principal of a Florida-based transportation consulting firm and was also a former Acting Associate Deputy Secretary and Director of the Office of Intermodalism at the U.S. Department of Transportation. He brings with him over 30 years of transportation program and policy making experience in the private and federal government transportation sectors.



Edward R. Hutchinson
Manager, Transportation
Statistics Office, FDOT

Ed Hutchinson is Manager of the Transportation Statistics Office for the Florida Department of Transportation. He also serves as the lead on the Florida Automated Vehicle

Initiative. The FAV is an initiative to make Florida a leader in automated vehicle technology. He has played a major role in providing support to this new endeavor. Under Mr. Hutchinson's leadership FDOT has developed working groups on policies, technology and modal operations, conducted an annual summit that showcases pilot projects and research activities, developed a public outreach and marketing component that utilizes the internet, social media and other communication tools, and oversaw research projects with major Florida universities to study the impacts this technology will have on transit users, the elderly, freight drayage movements and unmanned aerial vehicles.

PLENARY SPEAKER BIOGRAPHIES



Kayren M. McIntyre,
PMP, MCSE
Strategic Planning
Coordinator
Transportation and
Economic Development
Kayren has over 30 years
of IT engineering and
administration experience.

She has held Project Engineer, Engineer Manager and Vice President of Engineering positions in network communication and protocol device manufacturing companies. Her background includes independent consultant, administering the Meteorology Computing Center at Florida State University, project manager for the original Alcohol, Drug Abuse and Mental Health data warehouse and she served as guest panelist for the National Center for Atmospheric Research (NCAR) as well as a member of the National Oceanic and Atmospheric Administration (NOAA) search committee for a hurricane modeling system on behalf of The Weather Channel. Kayren received her Bachelor of Science in Mathematics and Computer Science from Florida State University.



Shourya Shukla,
Rolta Americas
Shourya Shukla is the Vice
President for Business
Solution Architecture for
Rolta Americas. Shourya
is the principal architect
of Rolta's One View for
Transportation solution.

Rolta OneView for Transportation is a Transportation Analytics Solution built for transportation agencies combining asset, financial and project related data with spatial and LRS capabilities. As a Software Solution Architect and a trained Physical and Transportation Planner with over 15 years of industry experience, Shourya applies his combination of domain and technical skills in developing solutions for customers in relevant markets. Shourya has been involved as a Solution Architect for Enterprise GIS and Enterprise Information Projects for transportation agencies around the world including the Utah Department of Transportation, Nevada Department of Transportation, Ministry of Transportation, Ontario and Dubai Roads and Transport Authority.



Denise Jefferies
Regions Bank
Denise Jefferies joined
Regions AD-Core, Enterprise
Data Services on June 3,
2013. She and her team
work closely with the internal
business units to maximize
opportunities for using data
systems to improve the development and delivery of
business information. Her team supports Region's
Hadoop based Operational Data Store and an
Oracle Exadata based warehouse using prominent
technologies around data such as ETL, data quality/
reconciliation, analysis, reporting, scorecards and
dashboard delivery.



David Lawson, NewSci
David brings more than
25 years of experience as
an entrepreneur focused
on providing fundraising
intelligence products. In
1997 he founded Prospect
Information Network (PIN)
which became the largest
wealth screening company. In 2013 he co-founded
NewSci, LLC. to bring Big Data and cognitive
computing to the philanthropic community. David
is a member of APRA, AASP, and a recipient of the
CASE Crystal Apple and APRA Distinguished Service
Awards.



Steve Dellenback,
Southwest Research Institute
Steve Dellenback is an
Executive Director of R&D at
Southwest Research Institute.
He is leading SwRI's efforts in
transportation systems as well
as intelligent vehicles, where
they have performed over
\$45M of R&D in the areas of Connected Vehicle and
Autonomous Vehicle and Active Safety technologies
for commercial, state government, federal
government and military clients. SwRI has fielded
autonomous vehicle platforms along with assorted
enabling technologies for OEMs in the US, Japan
and Europe, the U.S. Army, Navy, and Marine Corps,
as well as several European Ministries of Defense.

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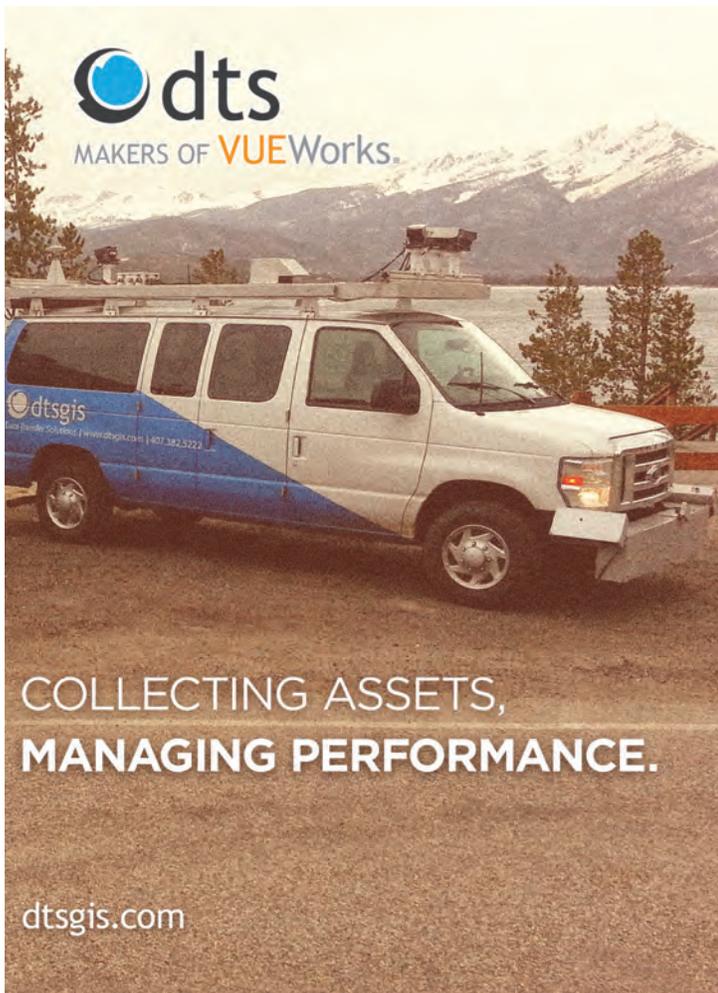
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F.R. Aleman & Associates, Inc. (FRA) is a South Florida based Consulting Engineering & Surveying firm specialized in transportation engineering, planning, design and ITS of public and private infrastructure projects. Over the past 28 years, FRA has been involved in numerous data collection projects for various FDOT Districts and several municipalities and across the State.

FRA maintains technical certifications with FDOT and several municipalities statewide in major types of work such as: highway/roadway, traffic operations, ITS, signing, lighting, signalization, survey, utility locates and utility coordination. FRA is a certified DBE, CBE and SBE; furthermore, the firm has been recognized by Hispanic Business Magazine among the "Top 500 Largest Hispanic-owned Companies in the US".

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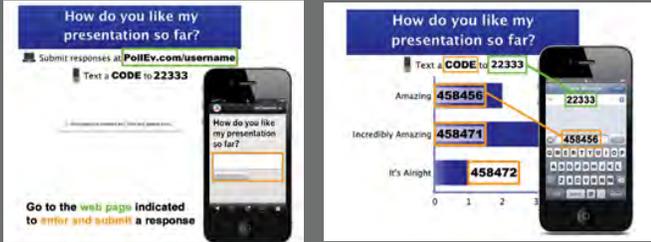
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Participants can respond from any phone by sending a text message. Ask guest speakers questions during the plenary session (International I) by using your mobile phone.

Text the message 'FLTDSQA' to 22233.

Web Browser

Participants can also respond using their web browser on their mobile device or computer. Ask guest speakers questions during the plenary sessions (International I) by submitting responses on the website: PollEv.com/FLTDSQA.

Provide Symposium Feedback and Questions to FDOT Text Message (SMS)

We would like hear what our attendees have to say about the conference. Participants can text comments and suggestions anytime through our comment service.

Text the message 'FLTDSCOMMENTS' to 22233.

Web Browser

Participants can also provide comments and suggestions to their web browser on their mobile device or computer by submitting responses on the website: PollEv.com/fltdscomments.

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SYMPOSIUM SESSION TRACKS



AICP
*Pre & Post Conference Sign In is Required at the Registration Booth

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Tuesday August 18, 2015

- 11:30 am - 5:00 pm **Registration/Check In/ Vendor Displays/ Posters** (Exhibit Hall - International II & III)
- 11:30 am - 1:00 pm **Light Refreshments** (Exhibit Hall)
- 1:00 - 1:15 pm **Welcome** - (International 1)
Assistant Secretary Rich Biter, Intermodal Systems Development
 Florida Department of Transportation (FDOT)
- 1:15 - 1:30 pm **Keynote Address**
State Senator Jeff Brandes, Chairman, Florida Senate Committee on Transportation
- 1:30 - 2:15 pm **Enterprise Data for Driving Business Decisions**
Denise Jefferies, Regions Bank
- 2:15 - 3:00 pm **Integrating Data Sources and Analytics for MAP-21**
Shourya Shukla, Rolta Americas
- 3:15 - 4:45 pm **Breakout Sessions**

<div style="background-color: #800000; color: white; padding: 5px;"> P Session 1 (Royal Dublin - Lower Level) PLANNING - Mobility Performance Measures In Action </div>		
Moderator	Lois Bush, FDOT	Topic Description: Florida's collaborative, multimodal MPM program embraces the multiple dimensions of mobility for people and freight and is linked to MAP-21 performance-based planning requirements for state DOTs and MPOs. The MPMs are being used and are evolving in a variety of ways, along with the data used to support them.
Presenters	Doug McLeod, FDOT Anita Vanervalk, Cambridge Systematics Jessica Josselyn, Kittelson & Associates	
<div style="background-color: #00AEEF; color: white; padding: 5px;"> M Session 2 (Royal Melbourne - Lower Level) MODAL - Freight Movement </div>		
Moderator	Rickey Fitzgerald, FDOT	Topic Description: Using Data to Balance between Reliability and Risk. The theme follows how data and analysis guided decisions impact reliability and risk for freight-mobility.
Presenters	David Binder, Drivewyze Donald Ludlow, CPCS Transcom Limited Bruce Lambert, Institute of Trade and Transportation Studies	
<div style="background-color: #008000; color: white; padding: 5px;"> S Session 3 (Colonial - Main Level) Safety - Safety Data </div>		
Moderator	Joseph Santos, FDOT	Topic Description: This session presents several concepts and examples of using big data in safety analytics. Namely, Microscopic level: this involves the RTMS, AVI, RWIS, safety data (crashes and surrogate measures), geometry, roadside, etc. for Real-time risk assessment and mitigation using Variable Speed limit, Ramp metering, Active Traffic Management, etc. Strava activities create billions of data points that, when aggregated, enable deep analysis and understanding of real-world cycling and pedestrian route preferences.
Presenters	Brian Riordan, Strava Metro Ilir Bejleri, University of Florida Mohamed Abdel-Aty, University of Central Florida	
<div style="background-color: #00AEEF; color: white; padding: 5px;"> E&O Session 4 (Congressional - Main Level) ENGINEERING & OPERATIONS - GIS Coordinators Meeting </div>		
Moderator	Jared Causseaux, FDOT	Topic Description: FDOT leverages an Enterprise GIS Framework and an organizational account of ArcGIS Online (GIS@FDOT) for geographical disseminations of mission critical data to the web. These two innovations as well as other tools from Esri will be showcased as tools available Department wide and in some cases, external to FDOT.
Presenters	Dan Teaf, FDOT Jessica Rogers, FDOT Anthony Puzzo, ESRI	

AGENDA

Wednesday August 19, 2015

- 7:30 am - 7:00 pm **Exhibit Hall Open** (International II & III)
- 7:30 - 8:30 am **Continental Breakfast/ Vendor Displays/ Poster exhibition** (Exhibit Hall)
- 8:30 - 9:00 am **FDOT's Enterprise Information Management Update** (International I)
April Blackburn, Chief Information Officer, FDOT
- 9:00 - 9:30 am **Opportunities for Open Data in Florida**
Kayren McIntyre, Strategic Planning Coordinator,
 Transportation and Economic Development
- 9:30 - 10:15 am **Networking Break** (Exhibit Hall)
- 10:30 am - 12:00 pm **Breakout Sessions**

 Session 5 (Royal Dublin - Lower Level) ENGINEERING & OPERATIONS - Operations and ITS		
Moderator	Mark Wilson, FDOT	Topic Description: This session addresses how “big data” analysis are starting to work their way into FDOT operations and planning. Arterial performance measures and the data to support them is also a major issue today making a comprehensive review of the accuracy of outsourced probe data for arterial roadways helpful.
Presenters	Stan Young, National Renewable Energy Lab Anita Vandervalk, Cambridge Systematics Michael Pack, CATT Laboratory University of Maryland	

 Session 6 (Royal Melbourne - Lower Level) PLANNING - Transportation Data for GIS		
Moderator	Paul O'Rourke, FDOT	Topic Description: This session highlights utilizations of spatial transportation data and GIS technologies to address transportation-related issues with an emphasis on data availability, publicity, and application development.
Presenters	Mark Welsh, FDOT Steve Branson, FDOT D7 Chad Marcus, HNTB Corporation	

 Session 7 (Colonial - Main Level) ENGINEERING & OPERATIONS - Civil/Integrated Management		
Moderator	John Krause, FDOT	Topic Description: Civil Integrated Management (CIM) is the collection, organization, and managed accessibility to accurate data related to a highway facility. This data management program may be used for environmental assessment, surveying, construction, maintenance, asset management, and risk assessment just to name a few. This session will focus on three aspects of managing CIM data for FDOT's Infrastructure.
Presenters	Amy Tootle, FDOT Rebecca Barber, FDOT Keith Hangland, HERE	

 Session 8 (Congressional - Main Level) PLANNING - Policy/SIS Update		
Moderator	Dana Reiding, FDOT	Topic Description: This session will provide a brief overview of the proposed Florida Transportation Plan goals and objectives, followed by interactive discussions of how data can support accomplishment of the FTP goals. We want to hear your ideas about the role data will play in transportation planning, operations and performance, and the opportunities and risks moving forward.
Presenters	John Kaliski, Cambridge Systematics	

12:15 - 1:45 pm **Lunch** (Exhibit Hall)

Continued on next page

Wednesday August 19, 2015

12:15 - 1:45 pm **Lunch** (Exhibit Hall)

2:00 - 3:30 pm **Breakout Sessions**

<div style="text-align: center;"> P Session 9 (Royal Dublin - Lower Level) PLANNING - Data For Modeling </div>		
Moderator	Thomas Hill, FDOT	<p>Topic Description: The development and maintenance of travel demand models in Florida require access to numerous datasets and resources. These resources help ensure that modeling results are meaningful and reliable for the practitioner, elected officials, government agencies and the general public. The Traveling Demand Modeling Breakout session will provide discussions toward data resources through the CTPP and also illustrate the innovative application of data through modeling fuel truck movements at Port Everglades. Finally, we will provide discussions on the trends, conditions and future resources of travel demand modeling data resources.</p>
Presenters	Penelope Weinberger, Census Transportation Planning Products Min-Tang Li, FDOT D4 & Peter Haliburton, Cambridge Systematics Steve Polzin, University of South Florida	
<div style="text-align: center;"> IT Session 10 (Royal Melbourne - Lower Level) INFORMATION TECHNOLOGY - Data Management </div>		
Moderator	April Blackburn, FDOT	<p>Topic Description: This session will explore the opportunities that come from Big Data and Data Analytics. We will cover a range of topics from how Big Data can transform transportation agency decision making and information sharing; to how today's standard approach to data governance must be tailored for "Advanced Analytics" of the future; to lessons learned from a recent project in Florida's Turnpike Enterprise for leveraging big data investments for improving decision making.</p>
Presenters	Bryan Groden, Gartner Dan Montgomery, North Highland Consulting Daniel Lane, Florida's Turnpike Enterprise	
<div style="text-align: center;"> M Session 11 (Colonial - Main Level) MODAL - Freight Infrastructure </div>		
Moderator	Ed Lee, FDOT	<p>Topic Description: There are a wealth of modal transportation data and analysis tools available to system owners. This session looks at some of these and also explores the limitations the public sector has in gaining access and using them.</p>
Presenters	Mansoor Mollaghasemi, Productivity Apex Peter Windschmitt, HNTB Corporation Jason Watts, FDOT	
<div style="text-align: center;"> P Session 12 (Congressional - Main Level) PLANNING - RCI & Video Log Data Management </div>		
Moderator	Chris Talbot, FDOT	<p>Topic Description: Come and experience video log integration with roadway inventory databases. First, we will cover Florida's roadway characteristic inventory (RCI) database. Second, we will delve into the video log environment. Third, we will bring both worlds together with an online demonstration of video log and inventory integration.</p>
Presenters	Tina Hatcher, FDOT Justin Furch, Michael Baker International Bruce Aquila, Intergraph	

3:30 - 4:00 pm **Break** (Exhibit Hall)

Continued on next page

AGENDA

Wednesday August 19, 2015

3:30 - 4:00 pm **Break** (Exhibit Hall)

4:00 - 5:30 pm **Breakout Sessions**

 Session 13 (Royal Dublin - Lower Level) ENGINEERING & OPERATIONS - Preserving the Network: Meeting MAP-21 Asset Management Requirements Effectively		
Moderator	Rudy Powell Jr., FDOT	Topic Description: Ensuring availability and accuracy of data to support Asset Management in Florida is a critical priority. This session will cover an overview of data requirements to meet MAP-21 asset management planning guidelines from both state and MPO perspectives. The session will also feature a Florida specific example of how data is used as a leading indicator and predictive forecasting for Florida's Pavements.
Presenters	Anita Vandervalk, Cambridge Systematics Javier Ponce, FDOT Carl Mikyska, Florida Metropolitan Planning Organization Advisory Council	
 Session 14 (Royal Melbourne - Lower Level) PLANNING - Traffic Data		
Moderator	Steve Bentz, FDOT	Topic Description: Covering three aspects of Traffic Data, James Whitely, an FDOT data user will be discussing real time traffic data utilized by emergency operations centers. Trent Lowe from VION will be discussing real time traffic video analytics while Dick Kane from Spot on will tie all these use cases together with a discussion on data platforms.
Presenters	James Whitley, FDOT Dick Kane, Spot On! Trent Lowe, VION	
 Session 15 (Colonial - Main Level) ENGINEERING & OPERATIONS - Geospatial Data Elements		
Moderator	Jared Causseaux, FDOT	Topic Description: This session will highlight geospatial data available from the all roads dataset FDOT licenses from HERE and how the FDOT's Safety Office has leveraged NAVSTREETs in conjunction with the Department's Linear Referencing System to meet Federal requirements. Esri will close highlighting their tools for working with these types of data elements.
Presenters	Keith Hangland, HERE Shaun Davis, FDOT Keith King, ESRI	
 Session 16 (Congressional - Main Level) MODAL - Transit Data and Commercial Opportunities Linking Transit Customers with Service Information		
Moderator	Martin Catala, USF	Topic Description: This session will highlight three examples of how public transit data can be used to enhance commercial ventures while serving transit customers. Attendees will hear presentations from a myriad of ventures that capitalize on the availability of open schedule and realtime transit data. Each presentation provides an illustration of how businesses can take advantage of transit data to for commercial opportunities.
Presenters	Matt Caywood, TransitScreen Paige Fitzgerald, WAZE Santunu Roy, HDR	

5:30 - 7:00 pm **Reception** (Exhibit Hall) (Light Hors d'Oeuvre)

Thursday August 20, 2015

- 7:00 - 8:00 am **Continental Breakfast/ Vendor Displays/ Poster exhibition** (Exhibit Hall)
- 8:00 - 8:15 am **Welcome** (International I)
Assistant Secretary Rich Biter, Intermodal Systems Development, FDOT
- 8:15 - 9:00 am **Cybersecurity and Connected Vehicles**
Steve Dellenback, Southwest Research Institute
- 9:15 - 10:45 am **Breakout Sessions**

P Session 17 (Royal Dublin - Lower Level) PLANNING - Environmental		
Moderator	Dean Rogers, FDOT	Topic Description: This session will highlight Florida's vast inventory of environmental GIS assets found within the Florida Geographic Data Library's (FGDL), how these resources influence transportation decisions through FDOT's collaborative Efficient Transportation Decision Making (ETDM) process, as well as showcasing Historical and Archaeological datasets developed by the State Historical Preservation Officer.
Presenters	Dean Rogers, FDOT Daniel McClarnon, Florida Department of State Alexis Thomas, University of Florida	

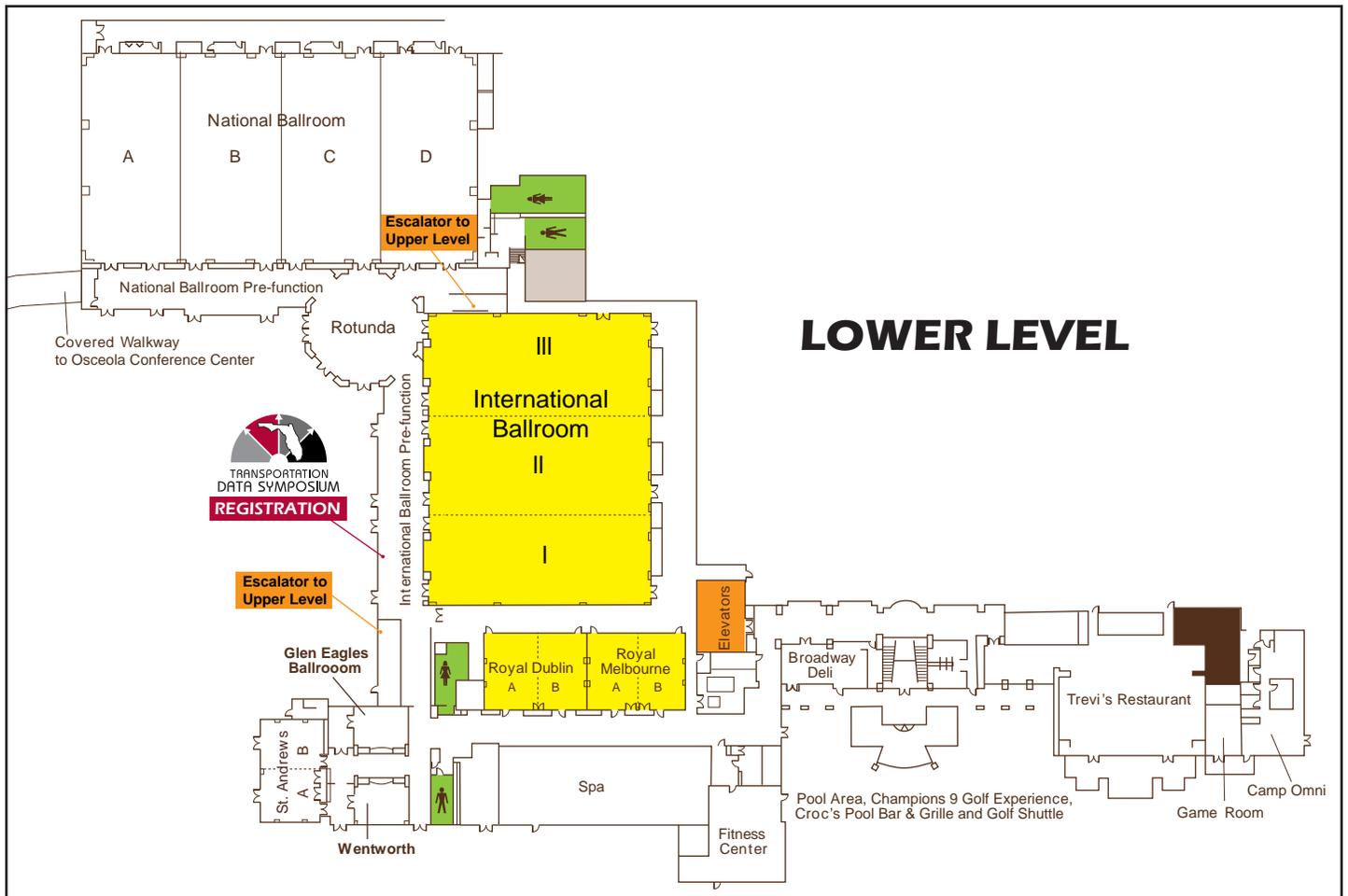
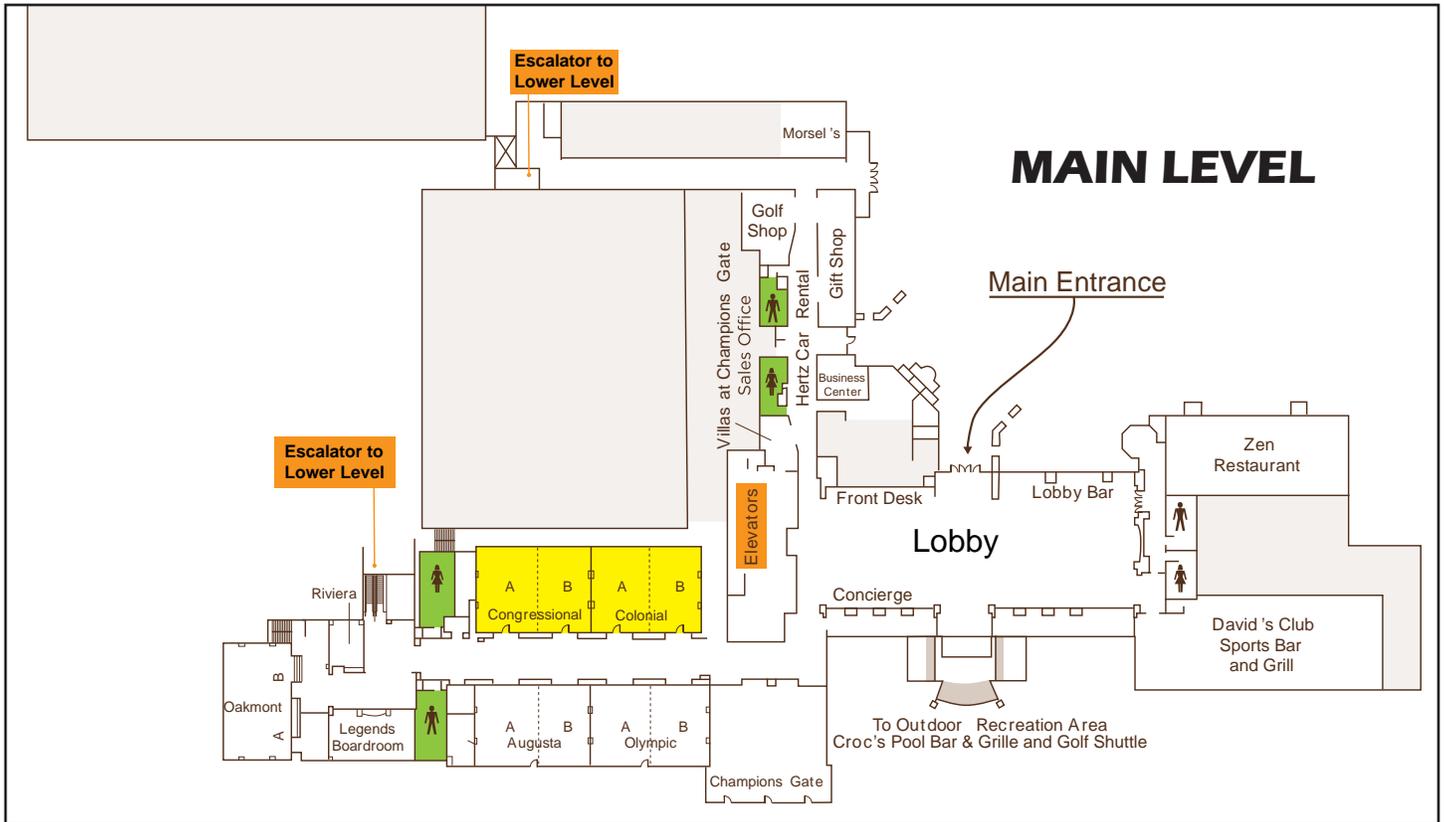
E&O Session 18 (Royal Melbourne - Lower Level) ENGINEERING & OPERATIONS - Connected Vehicles Data		
Moderator	Derek Vollmer, FDOT	Topic Description: Connected Vehicle technologies promise to provide a significant increase in data quantity and quality to support real time operations and decision making. This session will address the opportunities and issues agencies may need to face when adopting these technologies and then generating and collecting connected vehicle data.
Presenters	Monali Shah, HERE Mohammed Hadi, Florida International University Greg Krueger, Leidos	

P Session 19 (Colonial - Lower Level) PLANNING - Probe Data Applications - Using 21st Century Technologies for 21st Century Travel		
Moderator	Chris Francis, FDOT	Topic Description: Today's technologies are providing real-time multi-modal traveler information on current conditions of our transportation systems offering travel choices by time and mode. In this context, the use of probe data to support programs like bike-share, ride-share, bus rapid transit, dynamic pricing, etc. will be discussed in this Session.
Presenters	Peter Vega, FDOT D2 Paul Ricota, Caliper Corporation Inc. Daniel Beaty, Atkins	

- 11:00 - 11:45 am **Cognitive Computing: How Data Thinks** (International I)
David Lawson, NewSci
- 11:45 am - 12:00 pm **Closing Comments** (International I)
Assistant Secretary Rich Biter, FDOT



EVENT SPACE



INTERNATIONAL BALLROOM

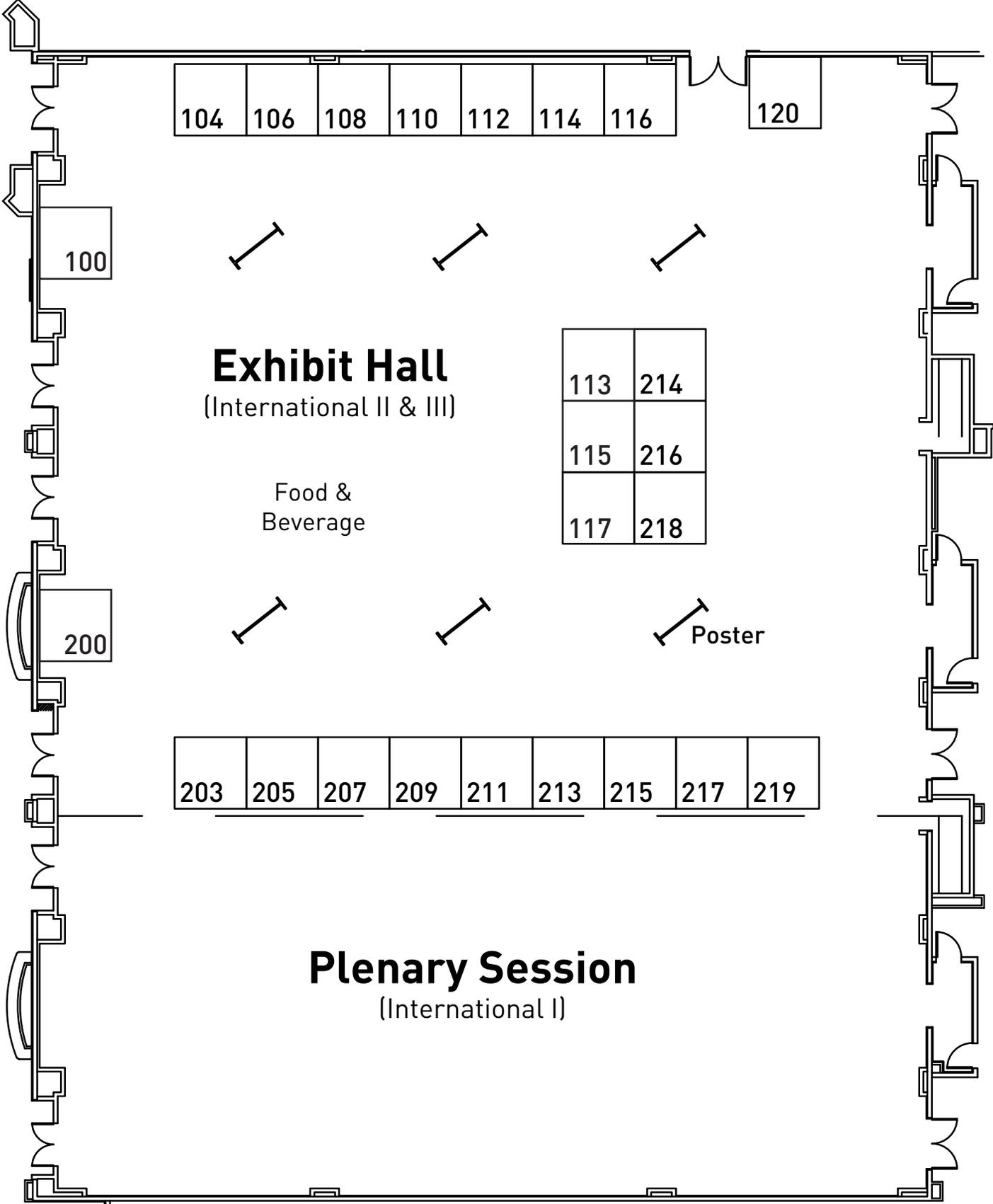


EXHIBIT BOOTHS

North Highland Company

BOOTH #100

North Highland Data and Analytics helps transportation agencies in the public sector achieve fast, meaningful results through advanced data solutions.

HNTB Corporation

BOOTH #104

HNTB Corporation will demonstrate its thought leadership in technology and data applications for emerging mobility solutions.

Caliper Corporation

BOOTH #106

TransCAD travel demand modeling software and TransModeler Traffic Simulation Software

Mckim & Creed Inc.

BOOTH #108

McKim & Creed provides advanced geomatics (surveying) services for a variety of transportation projects, and has eight offices in Florida.

AgileAssets

BOOTH #110

AgileAssets provides integrated infrastructure asset management software solutions.

Peek Traffic Corp

BOOTH #112

Peek will display its newest AVCC Products: Sabee & Pulsar. Peek will also showcase its new ATMS Spinnaker.

Tableau Software

BOOTH #113

Tableau Software helps people see and understand data. Used by more than 26,000 companies and organizations worldwide, Tableau delivers fast analytics, visualizations and rapid-fire business intelligence.

Michael Baker International

BOOTH #114

Michael Baker International offers a full spectrum of services. We will display data-specific services including our UAV.

FDOT Florida Automated Vehicles Initiative

BOOTH #115

The FAV initiative is helping to create the framework for implementation of autonomous and connected vehicles by engaging stakeholders, developing research and pilot projects, and creating awareness of the technologies and how they support FDOT's vision statement.

MH Corbin, Inc.

BOOTH #116

Highway advisory radio system, intelligent transportation devices and systems.

Rolta Americas

BOOTH #117

Rolta OneView™ for Transportation delivers a precise yet holistic view of a DOT's overall effectiveness and efficiency, along with the tactical data needed to achieve improvements and insights you need to meet MAP-21 funding requirements. Information compiled from disparate systems and presented in dashboard view immediately uncovers metrics benchmarked against unique and industry KPIs.

Terrametrix

BOOTH #120

Service providers of survey grade terrestrial mobile mapping for data acquisition of as built transportation infrastructure.

MetroTech Net

BOOTH #200

Using data analytics, MetroTech converts current camera infrastructure into traffic sensors and publishes actual real-time, lane-level data for improved signal timing, driver safety and real-estate planning. This data is approximately 95% accurate with only 1 minute latency.

GameSim

BOOTH #203

GameSim provides products and services for the entertainment, modeling & simulation and GIS industries.

Marlin Engineering

BOOTH #205

A civil engineering and planning firm with expertise in data collection/analysis, RCI/HPMS data, traffic counting, and implementation of remote sensing methodologies.

ViON Corporation

BOOTH #207

Vion Corporation (www.vion.com) designs, delivers and maintains high end information technology solutions for the military, governments and commercial businesses.

Digiwest LLC

BOOTH #209

BlueMAC devices - a Bluetooth data collection system that reports out on travel time, origin destination, and more.

Stokes Creative Group, Inc.

BOOTH #211

Stokes Creative Group, Inc., is a certified (WBE/DBE/SBE) full-service marketing firm that specializes in Public Outreach and Multimedia. Over the past 30 years, Stokes Creative Group, Inc. (SCG) has teamed with industry leaders on many of the largest transportation projects throughout the east coast. From proposal to development to managing public outreach campaigns and providing ongoing communications support throughout the duration of the project. Stokes is on your side – providing project documentaries, public information videos, project websites, project branding and print collateral. Whether it's to take your business to the next level or to effectively communicate your project's goals, Stokes CG is available to make it happen.

Iteris, Inc.

BOOTH #213

Iteris is a leader in providing information tools to the transportation and agriculture markets. Iteris' flagship traffic analytics and performance measurement system, iPeMS®, offers a suite of tools for storing, visualizing, and calculating performance information from both vehicle detectors (point-based data) and vehicle probes (link-based data). Combined with our Big Data analytics expertise, Iteris provides cutting-edge tools and services to help public agencies manage and analyze their transportation system data.

TrafficCast International

BOOTH #214

TrafficCast provides travel time forecasting, road speed data and other traffic-related information, with technology, applications and

content based on advanced digital traffic data. TrafficCast informs navigation and driver information services for a range of providers serving the interactive, mobile, enterprise and public sector markets. TrafficCast BlueTOAD™ is the market leader in Bluetooth™ signal detection technologies, used to monitor travel times, road speeds and route choice behaviors. The company is based in Madison, Wisconsin, with offices in Philadelphia, Atlanta, Chicago, Palm Beach and Shanghai.

International Road Dynamics

BOOTH #215

International Road Dynamics (IRD) is a traffic management products and systems company specializing in traffic data collection, weight enforcement, commercial vehicle operations, toll and safety.

FDOT Freight Logistics Planning

BOOTH #216

Florida Department of Transportation (FDOT) Secretary Jim Boxold is advancing Governor Rick Scott's initiatives to transform Florida's economy into a global hub for trade, logistics, and export-oriented manufacturing. FDOT is working to improve mobility and connectivity across all modes of transportation which will, in turn, increase commerce and enhance livability for Florida businesses and residences. FDOT provides programs and funding to strengthen airports, spaceports, seaports, rail, motor carrier and transit. The Pro Motion booth showcases our multimodal transportation system and efforts of the FDOT Freight, Logistics and Passenger Operations Office.



INRIX is at the Intersection of Connecting Cars for Smarter Cities & States

We are collaborating with leading automakers and governments worldwide to transform how people and commerce move across the world's transportation networks. Our vision is simple...empower drivers, inform planning and enhance commerce.

Our data driven insight from vehicles, GPS devices, fleets, road sensors and incident sources is fueling a host of new applications that not only empowers drivers but makes our cities work smarter.

Find out how INRIX can help with your Urban Mobility needs. Contact **Rick Schuman**, VP & GM, INRIX Public Sector, Rick@inrix.com

EXHIBIT BOOTHS

Certainty 3D

BOOTH #217

Certainty 3D is a software company focused on the productive, high performance processing of LIDAR data.

VIA Inc.

BOOTH #218

Visual insights and analytics for traffic flow, patterns and travel corridor performance.

Xerox

BOOTH #219

XEROX will demonstrate and discuss XEROX vehicle passenger detection system.



Kapsch TrafficCom

kapsch >>>

Reinvent with Kapsch: open protocol, end2end solutions, and a connected vehicle vision.

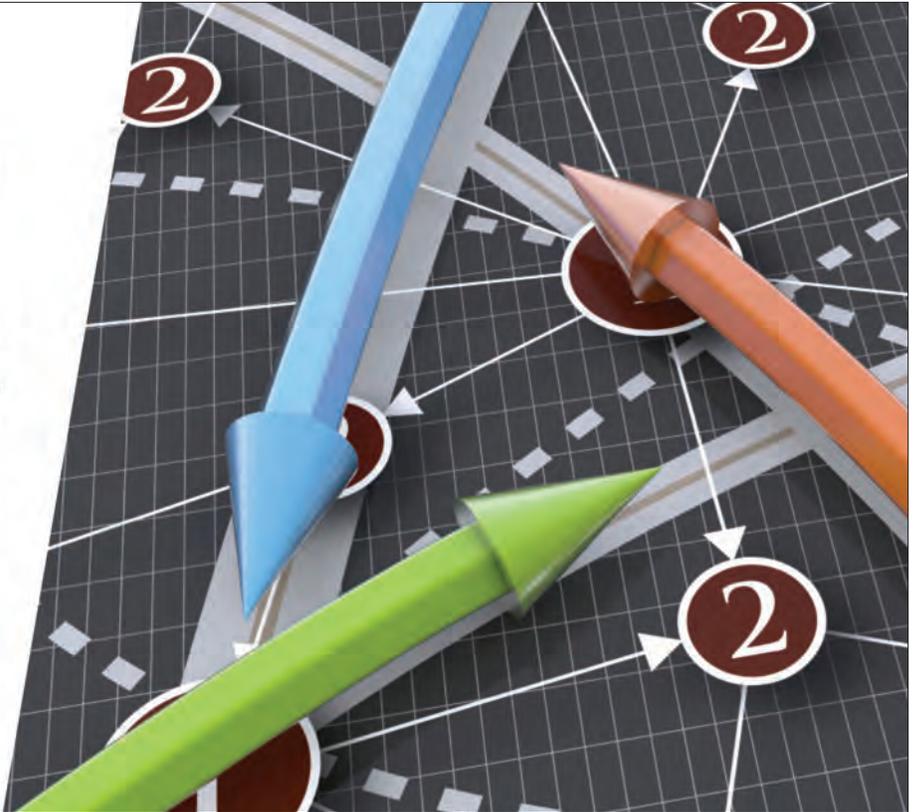


always one step ahead

A STATE IN MOTION

Florida is on the move. And it takes a well-conceived plan based on relevant **data** to create livable communities and keep our arteries flowing. At RS&H, we help clients identify the best solutions for improving mobility, fostering economic growth and enhancing the communities we serve. **From long-range corridor plans to transit hubs and walkable communities, our award-winning, in-house expertise keeps Florida in perpetual motion.**

rsandh.com



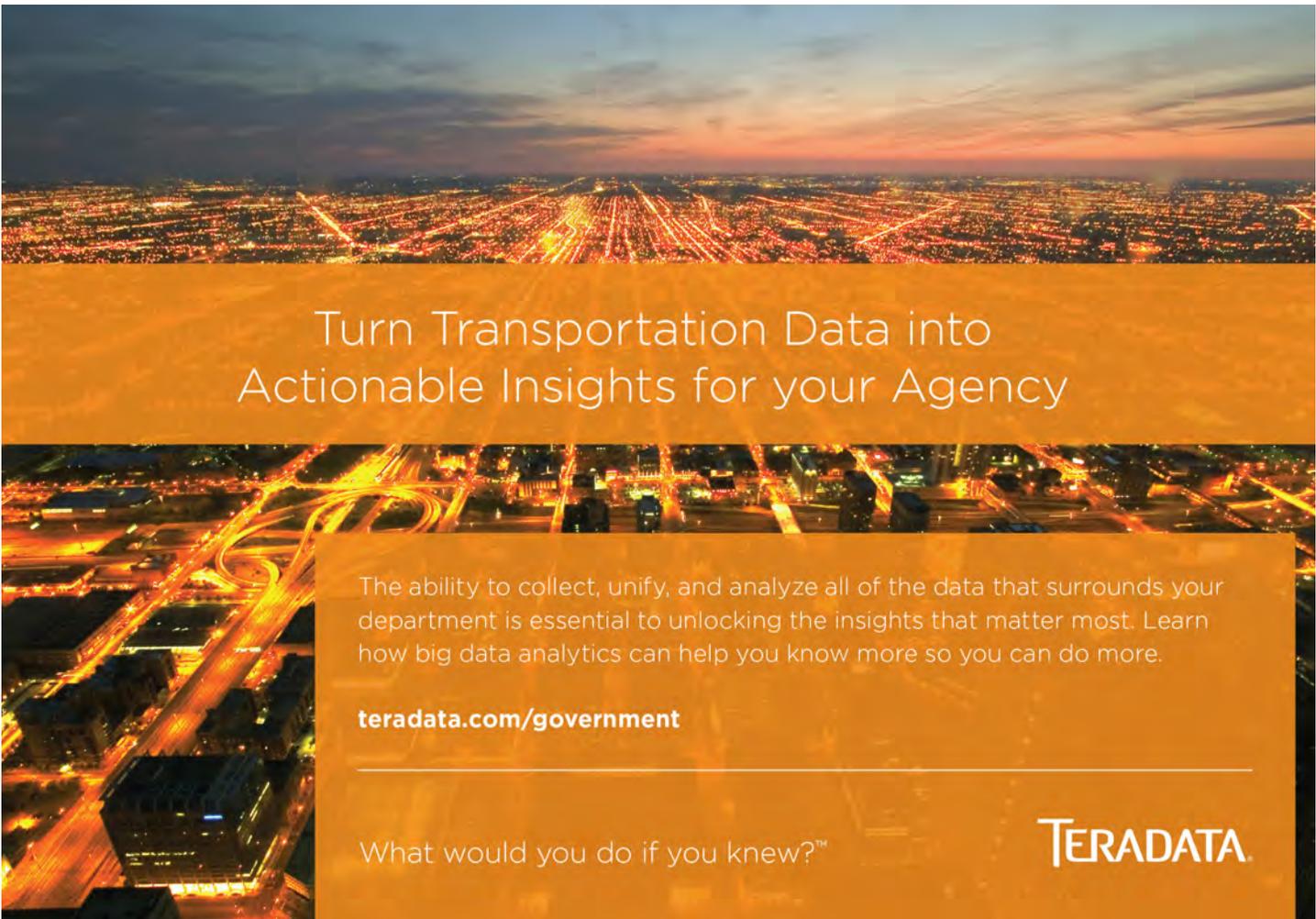
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FDOT VISION

Serving the people of Florida by delivering a transportation system that is fatality and congestion free.

FDOT MISSION

The department will provide a safe transportation system that ensures the mobility of people and goods, enhances economic prosperity and preserves the quality of our environment and communities.

