Keynote address will highlight the historical development of the City’s transportation system and discuss how some of today’s issues might be best solved by circling back to former systems such as streetcars.

Mike Seekings is a magna cum laude graduate of Amherst College and received his law degree from the University of Pittsburgh. Following law school, he clerked for former South Carolina Governor Donald S. Russell on the United States Court of Appeals for the Fourth Circuit and thereafter worked for Latham & Watkins, in its Washington, D.C. office. He is now a partner with the firm of Leath, Bouch & Seekings, LLP representing owners in complex construction defect litigation. He is a member of the South Carolina, New York, and District of Columbia Bar Associations and is admitted to practice before the United States Supreme Court, the Fourth Circuit Court of Appeals and the District of South Carolina.

Mike Seekings is a regular speaker at seminars and community association meetings. Throughout his career, Mike has been active in political, civil, and educational activities and is currently serving a second term as Charleston City Councilman representing District 8. He is Chairman of CARTA, Chairman of the Sustainability Advisory Committee, Chairman of the Traffic and Transportation Committee, on the Board of the Charleston Area Convention and Visitor Bureau, the Gibbes Museum, and the Cooper River Bridge Run. He is a former member of the South Carolina Bar’s House of Delegates and the executive committee of the Charleston Bar. Mr. Seekings is a private pilot and one of Charleston’s most avid runners.
### 3:00 - 5:00

#### Concurrent Sessions

<table>
<thead>
<tr>
<th>Carolina A</th>
<th>Carolina B</th>
<th>Calhoun Room</th>
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</thead>
</table>

- **Performance-based Planning & Scenario Planning - An Overview of Approaches, Benefits & Challenges**<br>Jeff Carroll, High Street Consulting Group<br>**Abstract**<br>**Presentation**
- **Performance-based Planning & Scenario Planning - Public Participation and Project Prioritization**<br>JD Allen, ATG<br>**Abstract**<br>**Presentation**
- **Performance-based Planning & Scenario Planning - Travel Demand Models**<br>Mike Heath, ATG<br>**Abstract**<br>**Presentation**
- **Performance-based Planning & Scenario Planning - Innovations in Alternative Future Scenarios - A State’s Perspective**<br>Jessie Jones, AHTD<br>**Abstract**<br>**Presentation**

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<thead>
<tr>
<th>Carolina A</th>
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</thead>
</table>
| **C2: Advances in Data Collection & Analytics**<br>Moderator: Brian Lee | **Abstract**<br>**Presentation** | **Abstract**<br>**Presentation**

- **What can we do to enhance and improve the application of mobile phone data in travel demand modeling?**<br>Y. Han, The Corradino Group<br>**Abstract**<br>**Presentation**
- **Small City Livability and Transit Services: Measuring and Planning for Both**<br>J. Brooks, Texas A&M Transportation Institute<br>**Abstract**<br>**Presentation**
- **Is My Community Ready for Transit Oriented Development? A Tool for Assessing TOD Readiness**<br>J. Dimmick, Renaissance Planning<br>**Abstract**<br>**Presentation**
- **Evaluating Parking Behavior in the Raleigh-Durham Region & Examining How a Transit Agency May Influence Parking**<br>M. Lee, RSG<br>**Abstract**<br>**Presentation**

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<tr>
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</table>
| **D2: Show Me The Impacts!**<br>Moderator: Henry Brown | **Abstract**<br>**Presentation** | **Abstract**<br>**Presentation**

### 5:30 - 7:30

**Welcome Reception, Colonial Room**
7:00 - 8:00  
Breakfast Buffet, Colonial Room

8:00 - 9:30  
Concurrent Sessions

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<th>Carolina A</th>
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<tbody>
<tr>
<td>A3: DOT Caucus</td>
<td>B3: Transit Caucus</td>
<td>C3: MPO Caucus</td>
</tr>
<tr>
<td>Moderator: Jim Wood</td>
<td>Moderator: JD Allen</td>
<td>Moderators: Ron Chicka and Dianne Morrison</td>
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<tr>
<td>Scribe: Dan Thomas</td>
<td>Scribe: Erin Toop</td>
<td>Scribe: Page Scott</td>
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<tr>
<td>Notes</td>
<td>Presentation</td>
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9:30 - 10:00  
Break & Exhibits, Prefunction A

10:00 - 11:30  
Concurrent Sessions

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<tbody>
<tr>
<td>Moderator: Jeff Carroll</td>
<td>Moderator: Erin Toop</td>
<td>Moderator: Jeff LaMondia</td>
<td>Moderator: Ron Poole</td>
</tr>
<tr>
<td>Performance-based Planning for Connected and Automated Vehicles</td>
<td>Planning for Health + Walkability in Small Communities</td>
<td>An Agile Tour-Based Model Built from Passive Data: A Case Study in Asheville, NC</td>
<td>Reduced-Form Models, Citizen Science Sensors, and Local Knowledge: Informing Local Decisions about Transportation-Related Air Pollution</td>
</tr>
<tr>
<td>Abstract</td>
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<td>Abstract</td>
<td>Presentation</td>
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<tr>
<td>Accounting for AV/CV in Long-Range Plans Using Current Travel Models</td>
<td>Collaborating to Improve Safety and Accessibility to Bus Stops: Better Data, Sidewalks and Amenities</td>
<td>Big Data and Advanced Models on a Mid-Sized City’s Budget: The Chattanooga Experience</td>
<td>Synopsis of New Methods and Technologies for Collecting Origin-Destination Data</td>
</tr>
<tr>
<td>K. Hall, Texas A&amp;M Transportation Institute</td>
<td>E. Olsen, Town of Blacksburg</td>
<td>V. Bernardin Jr., RSG</td>
<td>E. Hard, Texas A&amp;M Transportation Institute</td>
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<tr>
<td>Abstract</td>
<td>Presentation</td>
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<tr>
<td>T. Black, SCI Alliance</td>
<td>M. Raulerson, Kittelson &amp; Associates</td>
<td>S. Bricka, ETC Institute; L. Huntsinger, Parsons Brinckerhoff</td>
<td>S. Hu, Lexington Area MPO</td>
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15TH NATIONAL TRB TOOLS OF THE TRADE CONFERENCE
### Concurrent Sessions

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<tbody>
<tr>
<td><strong>A5: Performance-based &amp; Scenario Planning</strong></td>
<td><strong>B5: Data and Bicycle/Pedestrian Demand</strong></td>
<td><strong>C5: Incorporating Environmental Principles and Research Results into Transportation Planning Projects</strong></td>
<td><strong>D5: Financial Strategies</strong></td>
</tr>
<tr>
<td><strong>Moderator:</strong> JD Allen</td>
<td><strong>Moderator:</strong> Dianne Morrison</td>
<td><strong>Moderator:</strong> Sue Kimbrough</td>
<td><strong>Moderator:</strong> Montie Wade</td>
</tr>
<tr>
<td>Making Performance Management Real and Relevant to John and Jane Q Public</td>
<td>A GIS-based Bicycle Facility Demand-Suitability Prioritization Tool</td>
<td>Pave the Way for LEED ND Sustainable Development</td>
<td>Show Me At Least A Little Somewhat New Money: How Small and Mid-Size Communities Can Implement Projects Using the Federal Lands Access Program</td>
</tr>
<tr>
<td>E. Enarason-Hering, Cambridge Systematics</td>
<td>J. LaMondia, Auburn University</td>
<td>J. Zhang, Morgantown Monongalia MPO</td>
<td>L. Grimm, FHWA</td>
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<tr>
<td><strong>Abstract</strong></td>
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<tr>
<th>New Tools for Integrating Safety into Performance-based Planning</th>
<th>An Interim Synthetic Approach for Estimating Pedestrian Volumes in Smaller Communities</th>
<th>Assessment of Near-Source Air Pollution at a Fine Spatial Scale Utilizing a Mobile Measurement Platform Approach</th>
<th>Transportation Energy Savings Companies (T-ESCO) Opportunities and Experiences to Date</th>
</tr>
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<tbody>
<tr>
<td><strong>Presentation</strong></td>
<td><strong>Paper</strong></td>
<td><strong>Presentation</strong></td>
<td><strong>Abstract</strong></td>
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<tr>
<th>Innovations and Effective Use of Scenario Planning</th>
<th>GIS-based Prioritization of Pedestrian, Bicycle, and Trail Projects</th>
<th>Use of Noise Barriers and Roadside Vegetation as Potential Mitigation Methods for Traffic Emissions near Large Roadways</th>
<th>Emphasizing Flexibility and Responsiveness as the Value Proposition of the Small- and Medium-Sized MPO</th>
</tr>
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<tbody>
<tr>
<td>P. Hanegraaf, STV</td>
<td>A. Daney, Alta Planning + Design</td>
<td>J. Steffens, Oak Ridge Institute for Science and Education</td>
<td>J. Gittemeier, Duluth - Superior Metropolitan Interstate Council</td>
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<tr>
<td><strong>Abstract</strong></td>
<td><strong>Presentation</strong></td>
<td><strong>Abstract</strong></td>
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### 3:00 - 3:30

**Break & Exhibits, Prefunction A**
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<th>Time</th>
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<tbody>
<tr>
<td>9/13 TUES</td>
<td>3:30 - 5:00 Concurrent Sessions</td>
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<tr>
<td>Carolina A</td>
<td>A6: Performance-based &amp; Scenario Planning</td>
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<tr>
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<td>Moderator: Jeff Carroll</td>
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<tr>
<td>Carolina B</td>
<td>B6: Improving the Cyclist Experience</td>
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<td>Moderator: Erin Toop</td>
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<tr>
<td>Calhoun Room</td>
<td>C6: Freight &amp; Logistics</td>
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<td>Moderator: Ron Chicka</td>
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<tr>
<td>Carolina B</td>
<td>D6: Public Involvement Every Voice Matters</td>
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<td>Moderator: Dianne Kresich</td>
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</tbody>
</table>

### Concurrent Sessions

**Small Community Transportation System Planning with Decreasing Traffic Volumes**
- Presenter: M. Dolata, DKS Associates
- Abstract/Presentation

**Brownsville MPO: Collaborative Partnerships & Innovations in Bicycle & Pedestrian Planning**
- Presenter: M. Lund, Brownsville MPO
- Abstract/Presentation

**Freight Planning in Small and Medium MPOs: Practical Tools and Lessons Learned**
- Presenter: S. Gayle, RSG
- Abstract/Presentation

**City of Wilmington 2014 Transportation Bond-Prioritization and Education of a Successful Transportation Bond Initiative**
- Presenter: M. Kozlosky, Wilmington Urban Area MPO
- Abstract/Presentation

**Mapping Bicycle Facilities by Levels of Traffic Stress**
- Presenter: A. Scrivener, San Diego Association of Governments
- Paper/Presentation

**Understanding Commercial Truck Use through Downtown Bozeman**
- Presenter: N. Villwock-Witte, Western Transportation Institute
- Abstract/Presentation

**Listening to the Ones Who Know**
- Presenter: E. Thoresen, Gresham, Smith and Partners
- Paper/Presentation

**The Importance of Including Federal Land Management Agency Properties in the Statewide and Metropolitan Transportation Planning Process**
- Presenter: L. Grimm, FHWA
- Abstract/Presentation

**Bike Share Planning for Small- and Medium-Sized Cities**
- Presenter: J. Cock, Alta Planning + Design
- Abstract/Presentation

**Measuring Freight Accessibility in Small & Medium-Sized Communities**
- Presenter: C. Duncan, Economic Development Research Group
- Abstract/Presentation

**Millennials, WOW**
- Presenter: P. Gross, Atkins Global
- Abstract/Presentation

### 5:45
**Assemble for Walk to Charleston Museum, Lobby**

### 6:00 - 9:00
**Charleston Museum**
<table>
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<tr>
<th>Time</th>
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<tbody>
<tr>
<td>7:00 - 8:00</td>
<td>Breakfast Buffet, Colonial Room</td>
<td>Carolina A, Pinckney Room</td>
</tr>
<tr>
<td>8:00 - 10:00</td>
<td>Concurrent Sessions</td>
<td>Carolina B, Calhoun Room</td>
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</tbody>
</table>

**Carolina A**

**A7: Performance-based & Scenario Planning**
- Moderator: JD Allen
- Performance-based Planning 2.0: Raising the Bar with SHRP-2
  - S. Salameh, KYOVA Interstate Planning Commission; A. Fluitt, Kimley-Horn & Associates
  - Abstract
  - Presentation

**Carolina B**

**B7: Community and Transportation Assets for the Future**
- Moderator: Dan Thomas
- Sidewalk Scout, Sidewalk Sentry, and the Sidewalk Priority Index: Cost-effective Tools for Inventorying and Managing Sidewalk Assets and Prioritizing Improvements in Small to Large Communities
  - R. Guensler, Georgia Institute of Technology
  - Abstract
  - Presentation

**Calhoun Room**

**C7: Travel Demand Modelling**
- Moderator: Rob Schiffer
- Challenges Associated with Creating a Combined Regional Model for Three Small-to-Medium Sized MPOs
  - K. Hall, Texas A&M Transportation Institute
  - Abstract
  - Presentation

**D7: Public Involvement**
- Moderator: Andrew Canon
- Complexity and Collaboration: The Harbor Technical Advisory Committee as a Model for Successful Stakeholder Planning and Coordination
  - R. Watson, Duluth - Superior Metropolitan Interstate Council
  - Abstract
  - Presentation

**Carolina A**

**Paper**

- The Use of Archived Travel Speed Data in Model Calibration and Validation
  - P. Ricotta, Caliper Corp.
  - Abstract
  - Presentation

**Presentation**

- Regional Trails Corridor Assessment of the River to Sea TPO Planning Area
  - S. Harris, River to Sea TPO
  - Abstract
  - Presentation

**Carolina B**

**Paper**

- Considering Community Attributes and Impacts in Long Range Planning
  - P. Cook, NCDOT
  - Abstract
  - Presentation

**Presentation**

- Incorporating Advanced Models in Small and Medium Sized MPO Travel Models
  - B. Patel, Association of Monterey Bay Area Governments
  - Abstract
  - Presentation

**Calhoun Room**

**Paper**

- Models of University Student Travel for Small and Medium Cities
  - J. Huegy, Institute for Transportation Research and Education
  - Abstract
  - Presentation

**Presentation**

- Relevant Engagement to Attract More Citizen Feedback
  - C. Wilson, PlaceVision; P. Buckwold, St. Lucie TPO
  - Abstract
  - Presentation

**Abstract**

- Interagency Coordination in Long Range Transportation Planning
  - A. Cook, NCDOT
  - Abstract
  - Presentation
### Concurrent Sessions

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<tr>
<td>A8: Asset Management</td>
<td>B8: Transit &amp; Finance</td>
<td>C8: Travel Demand Modelling</td>
<td>D8: Planning for Emerging Technology</td>
</tr>
<tr>
<td>Moderator: Jaydeep Chaudhari</td>
<td>Moderator: Page Scott</td>
<td>Moderator: Rob Schiffer</td>
<td>Moderator: Erin Troop</td>
</tr>
</tbody>
</table>

#### ADA and Resurfacing: Alterations vs. Maintenance
- D. Perkins, Florida DOT

**Abstract**
- Supplements Rural Transit Revenue via Package Delivery Service
- J. Brooks, Texas A&M Transportation Institute

**Presentation**
- What Operations and Reliable Travel Routes Look Like Within the Most Innovative Small MPO Travel Models
- S. Granata, Ohio DOT

**Presentation**
- The “Transportation Revolution” – How Do Planners Grapple with an Uncertain Future?
- S. Gayle, RSG

#### Expanding the Role of Complete Streets: A Practitioner’s Guide
- M. Rutkowski, Stantec Consulting Services, Inc.

**Abstract**
- Financial Strategies for The Community of Innovative Transit
- B. Goodman, The Goodman Corporation

**Presentation**
- North Carolina Modeling Guidelines: The Next Generation and Beyond
- L. Huntsinger, Parsons Brinckerhoff

**Presentation**
- The Good and Bad News on Incorporating Automated and Connected Vehicles in Small- and Medium-Sized Communities
- J. Bittner, Applied Research Associates

#### Performance-based Tools to Enhance Investment Decision Making: Assessing a Regional Bridge Network and the Long-Term Consequences of Underinvestment
- R. Alvarado-Vazquez, Cambridge Systematics

**Abstract**
- The Economic Benefits of Transit in Yavapai County – Translating Benefits and Lessons for Other Urbanizing Communities
- C. Frei, Wight & Company

**Presentation**
- Modeling a Snapshot of Hilton Head Island in 2015
- E. Amar, CDM Smith

**Presentation**
- Pilot for Assessing Indirect and Cumulative Effects During MTP
- T. Tayal & C. Andre, vhb; A. Cook, NCDOT

#### Lunch on your own

### 1:45 - 5:00
Mobile Workshops (3 choices), Lobby

1) South Carolina Ports Tour
2) Downtown Trolley Tour
3) Boeing Tour

*Shuttle Service is kindly provided by the Charleston Area Regional Transportation Authority (CARTA).*

*Please thank your driver!*