



- Jones, E.G.** and C. M. Walton, "Managing Containers in a Marine Terminal: Assessing Information Needs," In Transportation Research Record – Journal of the Transportation Research Board No. 1782, TRB National Research Council, Washington, DC, 2002, pp. 92 – 99.
- Shi, P., **E.G. Jones** and Q. Zhu, "Adaptive Median Filter for Background Generation – A Heuristic Approach," In the Proceedings of the International Conference on Imaging Science, Systems, and Technology CISST '02, Vol. 1, H.R. Arabnia and Y. Mun, Editors, CSREA Press, 2002, pp. 173 – 179.
- Jones, E.G.**, H. Mahmassani, R. Herman, and C.M. Walton, "Travel Time Variability in a Commuting Corridor: Implications for Electronic Route Guidance", Proceedings of the First International Conference on Applications of Advanced Technologies in Transportation Engineering, San Diego, California, February 1989, pp. 27-32.
- Shi, P., **E.G. Jones** and Q. Zhu, "Median Model for Background Subtraction in Intelligent Transportation Systems," accepted for publication in the Proceedings of the Image Processing: Algorithms and Systems III, part of the IS&T/SPIE Symposium on Electronic Imaging 2004, 18-22 January 2004 in San Jose, CA USA

#### **RECENT GRANTS AND CONTRACTS**

- Project: Intelligent Grade Crossings. **PI – Dr. Elizabeth G. Jones**, Co-PIs – Dr. Laurence Rilett and Dr. Aemal Khattak. Funding source: Federal Railroad Administration. Funding level: \$155,000. Project duration: 7/1/2004 – 6/30/2005.
- Project: SMART Transportation. **PI – Dr. Elizabeth G. Jones**. Funding source: Federal Highway Administration. Funding level: \$1,000,000. Project duration: 2 years – start date pending.
- Project: ITS Resource, Research and Educational Activities at the Peter Kiewit Institute. **PI – Dr. Elizabeth G. Jones**. Funding source: Nebraska Department of Roads. Funding level: \$921,414. Project duration: October 1, 2002 – September 30, 2008.
- Project: Integration of Wireless, Web-based Cameras with DMS, RWIS, and Anti-Icing Installations. **PI – Dr. Elizabeth G. Jones**. Funding source: Nebraska Department of Roads. Funding level: \$120,089. Project duration: 8/1/2002 – 11/30/2004
- Project: Development of an XML Application to Improve Incident Response. **PI – Dr. Elizabeth G. Jones**. Funding source: Nebraska Department of Roads. Funding level: \$109,589. Project duration: 10/1/2001 – 11/30/2003.
- Project: NSF/USDOT Partnership for Exploratory Research – ICSST: Towards a Systems Integration Urban Network Performance Measure – Scalability and Data Issues of the Two-Fluid Model. **PI – Dr. Elizabeth G. Jones**, Co-PI – Dr. Qiuming Zhu. Funding source: National Science Foundation. Funding level: \$115,875. Project duration: 10/1/2001 – 9/30/2003.
- Project: NCHRP 17-22 – Identification of Vehicular Impact Conditions Associated with Serious Ran-Off-Road Crashes (Dean Sicking, PI) Funding source: NCHRP. Funding Level: \$499,999. Project Duration: August 17, 2001 start with 18-month duration
- Project: Acquisition of Basic Instrumentation for a Prototype Intelligent Transportation Systems Information and Infrastructure. **PI – Dr. Elizabeth G. Jones**, Hamid Sharif & Qiuming Zhu, Co-PIs. Funding Source: Nebraska Research Initiative. Funding level: \$497,182 (NRI) + \$250,000 (Mr. Walter Scott) = \$747,182. Project duration: 7/1/2000 – 6/30/2004
- Project: Development of a Rural Bicycle Compatibility Index. **PI – Dr. Elizabeth G. Jones**. Funding source: Nebraska Department of Roads. Funding level: \$22,470. Project duration: 6/1/2000 – July 31, 2001.
- Project: POWRE: Scaling the Two-Fluid Model of Town Traffic to Characterize Traffic Flow Through Signalized Intersections. **PI – Dr. Elizabeth G. Jones**. Funding source: National Science Foundation. Funding level: \$74,899. Project duration: 8/1/99 – 1/31/2001.
- Project: Transportation Policy & Management. **Co-PIs - Drs. Elizabeth G. Jones & John Bartle**. Funding source: NASA Nebraska Space Grant & EPSCoR. Funding level: \$9500. Project duration: 1/1/98 to 12/31/98.