

Digital State Publications Depository Shipping List Number 149

Monographs Cataloged During September 2020

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	Title (Complete)
911976180	Improving collaboration and consensus building in the coordination of access management and land use in corridor planning / Roger W. Howe, research scientist ; in cooperation with the U.S. Department of Transportation, Federal Highway Administration.
913225881	Evaluation of the Virginia Department of Transportation adaptive signal control technology pilot project / Michael D. Fontaine, Ph.D., P.E., associate principal research scientist, Virginia Center for Transportation Innovation and Research, Jiaqi Ma, Ph.D., transportation engineer, Transportation Solutions and Technology Applications Division, Leidos, Inc., Jia Hu, Ph.D., research associate, Office of Operations Research and Development, Federal Highway Administration.
914190138	Asphalt mixture performance characterization using small-scale cylindrical specimens / Brian K. Diefenderfer, Ph.D., P.E., senior research scientist, Benjamin F. Bowers, Ph.D., research scientist, Stacey D. Diefenderfer, Ph.D., P.R., senior research scientist.
914230868	Evaluation of a Buried Cable Roadside Animal Detection System / Cristian Druta, Ph. D., and Andrew S. Alden, P.E.
914230928	Data Needs Assessment for Making Transportation Decisions in Virginia / Asad J. Khattak, Ph. D., Xin Wang, Ph. D., Sanghoon Son, Ph. D., and Jun Liu.
914815538	Use of Roller-Compacted Concrete Pavement in Stafford, Virginia / M. Shabbir Hossain, Ph. D., P.E., and Celik Ozyildirim, Ph. D., P.E.
918944541	Determining Animal Mortality Compost Maturity and Suitability for Road Project Applications for the Virginia Department of Transportation / Bridget M. Donaldson, and Michael W. Crawley.
924274528	An Evaluation of Roadside Activity and Behavior of Deer and Black Bear to Determine Mitigation Strategies for Animal-Vehicle Collisions / Bridget M. Donaldson, Young-Jun Kweon, Ph. D., P.E., and Lewis N. Lloyd.
926066217	A benefit-cost analysis tool for assessing guardrail needs for two-lane rural roads in Virginia / Justice Appiah, Ph.D., research scientist, Renjamin H. Cottrell, Jr., P.E., associate principal research scientist.
941955890	Assessment of an Incentive-Only Ride Specification for Asphalt Pavements / Harikrishnan Nair, Ph. D., P.E., Kevin K. McGhee, P.E., Affan Habib, P.E., and Sameer Shetty.

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945662586	Work Zone Safety Performance Measures for Virginia / Young-Jun Kweon, Ph. D., P.E., In-Kyu Lim, Ph. D., P.E., and Michael D. Fontaine, Ph. D., P.E.
946883117	Investigation of Truck Mounted Attenuator (TMA) Crashes in Work Zones in Virginia / Benjamin H. Cottrell, Jr., P.E.
949904262	Use of Lightweight Concrete for Reducing Cracks in Bridge Decks / Harikrishnan Nair, Ph. D., P.E., Celik Ozyildirim, Ph. D., P.E., and Michael M.
949905343	Evaluation of Bridge Deck With Shrinkage-Compensating Concrete / Theodoros C. Triantafyllou, Ph. D., P.E., and Michael M.

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895267906	Structural design guidelines for concrete bridge decks reinforced with corrosion-resistant reinforcing bars / Abraham Lama Salomon, graduate research assistant, Cristopher D. Moen, Ph.D., P.E., associate professor, The Charles E. Via, Jr. Department of Civil and Environmental Engineering, Virginia Polytechnic and State University ; VCTIR project manager, Stephen R. Sharp, Ph.D., P.E. Virginia Center for Transportation Innovation and Research ; in cooperation with the U.S. Department of Transportation, Federal Highway
897116618	Standardized Test Method to Quantify Environmental Impacts of Stormwater Pipe Rehabilitation Materials / Andrew J. Whelton, Ph. D., Matthew L. Tabor, Anne Boettcher, Ph. D., Kevin D. White, Ph. D., P.E., Derrick Newman, and Eric J. Seward, Ph. D.
907643030	Estimation of Subgrade Resilient Modulus Using the Unconfined Compression Test / M. Shabbir Hossain, Ph. D., P.E., and Wan Soo Kim, Ph. D., P.E.
909584938	Virginia and West Virginia's Transportation Research Co-Peer Exchange : (June 22-26, 2014) / Donald L. Williams, P.E., David M. Jared, P.E., and William Bill King, Jr., P.E.
911493310	Loudoun County Road Orders 1783-1800 / Patricia B. Duncan, and Ann Brush Miller.
914231328	Synthesis of Trenchless Technologies / Lindsay Ivey Burden, Ph. D., and Edward J. Hoppe, Ph. D., P.E.
918944469	An Evaluation of the Economics and Logistics of Animal Mortality Composting for the Virginia Department of Transportation / Audrey K. Moruza, and Bridget M. Donaldson.
918944615	Development of a Catalog of Resilient Modulus Values for Aggregate Base for Use With the Mechanistic-Empirical Pavement Design Guide (MEPDG) / M. Shabbir Hossain, Ph. D., P.E., and D. Stephen Lane.
918945261	Installation and Laboratory Evaluation of Alternatives to Conventional Polymer Modification for Asphalt / Stacey D. Diefenderfer, Ph. D., P.E., and Kevin K. McGhee, P.E.
925474697	Best Practices and Performance Assessment for Preventive Maintenance Treatments for Virginia Pavements / Edgar de Leon Izeppi, Akyiaa Morrison, Gerardo W. Flintsch, and Kevin K. McGhee.
945662573	Continuous friction measurement equipment as a Tool for improving crash rate prediction : a pilot study / Edgar de Leon Izeppi, Ph. D., Samer W. Katicha, Ph. D., Gerardo W. Flintsch, Ph. D., P.E., Ross McCarthy, and Kevin K.

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946884562	Assessment of the Performance of Light-Emitting Diode Roadway Lighting Technology / Ronald B. Gibbons, Ph. D., Yingfeng Eric Li, Ph. D., P.E., and Jason E. Meyer.
949904156	How Might Virginia Age and Grow by 2040? / John S. Miller, Ph. D., P.E., Amy A. O'Leary, Ph. D., Hillary D. Goldstein, Aidan S. Barkley, and Benjamin D.
949904218	Bridge Beams and Pier Caps With Self-Consolidating Concrete at Nimmo Parkway / Celik Ozyildirim, Ph. D., P.E., and Gail Moruza, E.I.T.
949904497	Traffic Incident Management Quick Clearance Guidance and Implications / Lance E. Dougald, Noah J. Goodall, Ph. D., P.E., and Ramkumar Venkatanarayana, Ph. D.
954601472	Leveraging Freely Available Remote Sensing and Ancillary Datasets for Semi-Automated Identification of Potential Wetland Areas Using a Geographic Information System (GIS) / Benjamin R. Felton, Jonathan L. Goodall, Ph. D., and G. Michael Fitch, Ph. D.
962326343	Evaluation of the Impact of the I-66 Active Traffic Management System / PilJin Chun and Michael D. Fontaine, Ph. D., P.E.
1198234484	Reducing Cracks in Concrete Bridge Decks Using Shrinkage Reducing Admixture / Harikrishnan Nair, Ph. D., P.E., Celik Ozyildirim, Ph. D., P.E., and Michael M. Sprinkel, P.E.
1198235619	Development of local calibration factors and design criteria values for mechanistic-empirical pavement design / Bryan Smith, P.E., and Harikrishnan Nair, Ph. D., P.E.
1198235631	Extreme heat safety / Virginia Department of Emergency Management.
1198235632	Flood safety / Virginia Department of Emergency Management.
1198235633	Joint information center (JIC) resource guide / Virginia Department of Emergency Management.
1198235759	Virginia Department of Emergency Management.
1198235760	Emergency supplies (kit) / Virginia Department of Emergency Management.