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Monographs Cataloged During October 2020
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894037524	Developing a laboratory protocol for asphalt binder recovery / Stacey D. Diefenderfer, Ph.D., P.E., senior research scientist.
900615357	Feasibility of reclaimed asphalt pavement (RAP) use as road base and subbase material / Edward J. Hoppe, Ph.D., P.E., associate principal research scientist [and three others].
910514192	Differential settlement of a geosynthetic reinforced soil abutment : full-scale investigation / Andrew Kost, E.I., graduate student, George M. Filz, Ph.D., P.E., professor, Thomas E. Cousins, Ph.D., P.E., professor, The Charles E. Via, Jr. Department of Civil and Environmental Engineering, Virginia Tech ; VCTIR project manager, Michael C. Brown, Ph.D., P.E., Virginia Center for Transportation Innovation and Research ; in cooperation with the U.S. Department of Transportation, Federal Highway Administration.
913469256	Laboratory evaluation of asphalt concrete mixtures containing high contents of reclaimed asphalt pavement (RAP) and binder / Paul C. Boriack, Samer W. Katicha, Ph. D., Gerardo W. Flintsch, Ph. D., P.E., and Christopher R. Tomlinson.
914769044	Differential settlement of a geosynthetic reinforced soil abutment : full-scale investigation: summary report / Andrew Kost, George M. Filz, Ph. D., P.E., and Thomas E. Cousins, Ph. D., P.E.
918944975	Investigation of panel-to-panel connections and block-outs for full-depth precast concrete bridge decks / Matthew K. Swenty, Thomas E. Cousins, Ph.D., P.E., and Carin L. Roberts-Wollmann, Ph.D., P.E.
953693184	Development of pavement structural capacity requirements for innovative pavement decision-making and contracting: phase II / James M. Bryce, Gerardo W. Flintsch, Ph. D., P.E., Samer W. Katicha, Ph. D., Brian K. Diefenderfer, Ph. D., P.E., and Alex Sarant.
965383145	Investigation of driver speed choice and crash characteristics during low visibility / Katie McCann, and Michael D. Fontaine, Ph. D., P.E.

965383183	Structural study of cold central plant recycling sections at the National Center for Asphalt Technology (NCAT) Test Track / Brian K. Diefenderfer, Ph. D., P.E., Miguel Diaz Sanchez, David H. Timm, Ph. D., P.E., and Benjamin F. Bowers, Ph. D.
965383302	Development of enhanced pavement deterioration curves / Samer W. Katicha, Ph. D., Safak Ercisli, Gerardo W. Flintsch, Ph. D., P.E., James M. Bryce, Ph. D., and Brian K. Diefenderfer, Ph. D., P.E.
965383457	Analysis of repeated network-level testing by the falling weight deflectometer on I-81 in the Virginia Department of Transportation's Bristol District / James M. Bryce, Ph. D., Samer W. Katicha, Ph. D., Brian K. Diefenderfer, Ph. D., P.E., And Gerardo W. Flintsch, Ph. D., P.E.
972335917	Investigation of roller-compacted concrete for use in pavements in Virginia / M. Shabbir Hossain, Ph. D., P.E., and H. Celik Ozyildirim, Ph. D., P.E.
972335945	When Main Street is a highway : addressing conflicts between land use and transportation / Peter B. Ohlms, AICP, and Kayleigh M. Roy.
972336751	Evaluation of fatigue-prone details using a low-cost thermoelastic stress analysis system / Steven B. Chase, Ph. D., and Yaw Adu-Gyamfi, Ph. D.
984979549	Evaluation of high-performance fiber-reinforced concrete for bridge deck connections, closure pours, and joints / Levon C. Hoopes, H. Celik Ozyildirim, Ph. D., P.E., and Michael C. Brown, Ph. D., P.E.
984979836	Investigation of properties of high-performance fiber-reinforced concrete : very early strength, toughness, permeability, and fiber distribution / Evelina Khakimova, EIT, and Celik Ozyildirim, Ph. D., P.E.
987791735	Addressing dilemma zone issues with control solutions / Montasir M. Abbas, Ph. D., P.E., Qichao Wang, Brian J. Higgs, Ph. D., Donia Zaheri Sarabi, Sahar Ghanipoor Machiani, Ph. D., Milos N. Mladenovic, Ph. D., and Shrikant Fulari.
990340454	Design, installation, and condition assessment of a concrete bridge deck constructed With ASTM A1035 CS No. 4 Bars / Abraham Lama Salomon, and Cristopher D. Moen, Ph. D., P.E.

994643850	Forensic investigation of two voided slab bridges in the Virginia Department of Transportation's Richmond District / Soundar S.G. Balakumaran, Ph. D., Bernard L. Kassner, Ph. D., P.E., and Richard E. Weyers, Ph. D., P.E.
1017567250	Improving animal-vehicle collision data for the strategic application of mitigation / Bridget M. Donaldson.
1017567519	Development and testing of environmental DNA (eDNA) protocols for the endangered James Spiny mussel (<i>pleurobema collina</i>) / Rodney J. Dyer, Ph. D., and Bonnie A. Roderique.
1028732693	Carbon fiber reinforced polymer grids for shear and end zone reinforcement in bridge beams / John Ward, Mitch Magee, Carin L. Roberts-Wollmann, Ph. D., P.E., and Thomas E. Cousins, Ph. D., P.E.
1048403359	Evaluation of porous asphalt used at a Virginia Department of Transportation park & ride facility / G. Michael Fitch, Ph. D., and Benjamin F. Bowers, Ph. D., P.E.
1201329239	Considerations for calculating arterial system performance measures in Virginia / Ramkumar Venkatanarayana, Ph. D.
1201329240	A retrospective evaluation of traffic forecasting techniques / John S. Miller, Ph. D., P.E., Salwa Anam, Jasmine W. Amanin, and Raleigh A. Matteo.