TEXAS STATE VITA

I. Academic/Professional Background

A. Name and Title

Name: Dr. James Wilde Title: Chair - Professor

B. Educational Background

Degree	*Year*	*University*	*Major*	*Thesis/Dissertation*
PHD	1998	University of Texas at Austin	Civil Engineering	
MSENG	1996	University of Texas at Austin	Civil Engineering	
BS	1993	Brigham Young University	Civil Engineering	

C. University Experience

Position	*University*	*Comments*	*Dates*
Department Chair, Engineering Technology	Texas State University. San Marcos, TX, United States		May 2019 - Present
Director, Concrete Industry Management Program	Texas State University. San Marcos, TX, United States		September 1, 2017 - Present
Professor, Engineering Technology	Texas State University. San Marcos, TX, United States		September 1, 2017 - Present
Professor	Minnesota State University, Mankato		July 2009 - September 2017
Director, Civil Engineering	Minnesota State University. Mankato, MN, United States		August 2009 - August 2017
Associate Professor	Minnesota State University, Mankato		July 2005 - June 2009
Assistant Professor	Minnesota State University, Mankato		January 2003 - June 2005

D. Relevant Professional Experience

Position	*Entity*	*Comments*	*Dates*
Project Manager	The Transtec Group, Inc.		August 1995 - December 2002

E. Other Professional Credentials (licensure, certification, etc.)

Professional Engineer, State of Minnesota. (2003 - Present).

Professional Engineer, State of Utah. (2003 - Present). License Number: 264386-2202.

II. TEACHING

B. Courses Taught:

Texas State University:

CIM 4398 - CAPSTONE

CIM 4499 - CAPSTONE II

CSM 1260 - INTRO CONS & CONCR

Minnesota State University, Mankato:

CIVE 145 - CAD for Civil Engineering

CIVE 235 - Properties of Civil Engineering Materials

CIVE 271 - Civil Engineering Measurements

CIVE 360 - Geotechnical Engineering

CIVE 370 - Transportation Engineering

CIVE 401/2 - Civil Engineering (Capstone) Design I/II

CIVE 432 - Properties of Concrete

CIVE 435 - Civil Engineering Experimentation I

CIVE 436 - Civil Engineering Experimentation

CIVE 461 - Fundamentals of Pavement Design

CIVE 465 - Foundation Design

CIVE 471 - Highway Planning and Design

IDCM 212 - Surveying and Site Planning

ME 223 - Mechanics of Materials

University of Texas at Austin, as a Lecturer of Civil Engineering:

CE 376 - Planning and Design of Airports

C. Directed Student Learning (i.e. theses, dissertations, exit committees, etc.):

Dissertation, Status: Completed. (1925 - Present). University of Illinois, Urbana-Champaign.
Student(s): Yuanjie Xiao.

Master's Thesis, Status: Completed. (1925 - Present). Minnesota State University, Mankato.
Student(s): Keerthi Kamalapuri.

D. Courses Prepared and Curriculum Development:

CIVE 145 – CAD for Civil Engineering, Course: 1925 - Present.

CIVE 235 – Properties of Civil Engineering Materials, Course: 1925 - Present.

CIVE 271 – Civil Engineering Measurements, Course: 1925 - Present.

CIVE 360 – Geotechnical Engineering, Course: 1925 - Present.

CIVE 370 – Transportation Engineering, Course: 1925 - Present.

CIVE 401/2 – Civil Engineering (Capstone) Design I/II, Course: 1925 - Present.

CIVE 432 – Properties of Concrete, Course: 1925 - Present.

CIVE 435 – Civil Engineering Experimentation I, Course: 1925 - Present.

CIVE 436 – Civil Engineering Experimentation, Course: 1925 - Present.

CIVE 461 – Fundamentals of Pavement Design, Course: 1925 - Present.

CIVE 465 – Foundation Design, Course: 1925 - Present.

CIVE 471 – Highway Planning and Design, Course: 1925 - Present.

IDCM 212 – Surveying and Site, Course: 1925 - Present.

ME 223 – Mechanics of Materials, Course: 1925 - Present.

Civil Engineering curriculum, Curriculum Development: 1925 - Present.

Additional Comments: Awarded "Excellence In Curriculum Design" by Minnesota State Colleges and Universities System Office, 2014.

E. Teaching Grants and Contracts

3. Funded Internal Teaching Grants and Contracts:

Wilde, William James. Engineering Education for the Visual Learner. (Funded: 1925 - Present). Grant.

Wilde, William James. Improvements to CIVE 370 – Transportation Engineering. (Funded: 1925 - Present). Grant.

III. SCHOLARLY/CREATIVE

A. Works in Print (including works accepted, forthcoming, in press):

2. Articles:

a. Refereed Journal Articles:

Reza, F., Wilde, W. J., & Izevbekhai, B. I. (2018). Sustainability of Using Recycled Concrete Aggregates as Coarse Aggregate in Concrete Pavements. *Transportation Research Record*, *2672*, 99–108.

Wilde, W. J. (2018). Performance of recycled concrete aggregate pavements based on historical condition data. *International Journal of Pavement Engineering*, *2018*. Published. https://doi.org/10.1080/10298436.2018.1503272https://www.tandfonline.com/doi/full/10.1080/10298436.2018.1503272

KIM, Y., Lee, S.-J., & Wilde, W. J. (2018). Investigation of rheological properties of blended cement pastes using rotational viscometer and dynamic shear rheometer. *Advances in Materials Science and Engineering*, *2018*, 1–6.

Wilde, W. J., Tutumluer, E., Xiao, Y., Beaudry, T., & Siekmeier, J. A. (2016). Optimizing Stability and Stiffness through Aggregate Base Gradation. *Transportation Research Record: Journal of Transportation Research Board*, (2578), 12–20. Retrieved from http://dx.doi.org/10.3141/2578-02http://dx.doi.org/10.3141/2578-02

Wilde, W. J., & Johnson, E. (2009). Effect of Crack Sealant Material and Reservoir Geometry on Surface Roughness of Bituminous Overlays. *Transportation Research Record*, *2108*, 69–74.

Wilde, W. J. (2007). Thickness Design Method for Bituminous-Stabilized Aggregate-Surfaced Roads. *Transportation Research Record*, *1989*, 123–129.

Chou, K. C., Wilde, W. J., & Moaveni, S. (2007). Subcontracting the Senior Design Project in Civil Engineering. *ASCE Journal of Professional Issues in Engineering Education and Practice*, *133*(3).

Rasmussen, R. O., Wilde, W. J., & et al. (2002). New Software Promises to Put Whitetopping on the Map. *Public Roads*. Published.

Additional Comments: July/August

3. Conference Proceedings:

a. Refereed Conference Proceedings:

Shah, D., Wilde, J., Chen, H., & Kim, Y.-J. (2020). Ternary Mix design assessment of Ground Granulated Blast Furnace Slag (GGBFS) and limestone powder infused concrete using Gaussian process regression.

Wilde, W. J., & Budge, A. S. (2005). Mechanics of Materials – An Active Learning Approach.

Budge, A. S., & Wilde, W. J. (2005). Teaching Seepage Properties of Soil Using a Liquifaction Tank.

Chou, K. C., & Wilde, W. J. (2003). Integrating Major Design Experience Throughout a Small Civil Engineering Program (Vol. 3, p. S3B–8).

Chou, K. C., Wilde, W. J., & Moaveni, S. (2003). A Unique Approach to Civil Engineering Design Experience.

Rozycki, D. K., Wilde, W. J., & Rasmussen, R. O. (2001). A New Approach to Non-Destructive Evaluation of Pavement Structures using the Rolling Dynamic Deflectometer.

Rasmussen, R., Wilde, W. J., Ruiz, M., Sherwood, J., & Mack, J. (2001). An Analysis of Ride Quality of the Ultra-Thin Whitetopping Overlays at the FHWA Accelerated Loading Facility.

Wilde, W. J., Rasmussen, R. O., & Zollinger, D. G. (1998). Application of Fracture Mechanics to Early-Age Crack Control of Thick Portland Cement Concrete Pavements. In M. T. McNerney (Ed.).

Wilde, W. J., & McCullough, B. F. (1998). Life Cycle Cost Analysis of Rigid Pavements.

Additional Comments: Spring Session

5. Reports:

Tutumluer, E., Xiao, Y., & Wilde, W. J. (2015). *Cost Effective Base Type and Thickness for Long Life Concrete Pavement*. *MN/RC 2015-42 Final Report*. St. Paul, MN: Minnesota Department of Transportation.

Wilde, W. J. (2014). *Assessing the Effects of Heavy Vehicles on Local Roadways*. St. Paul, MN: Minnesota Department of Transportation.

Wilde, W. J., Thompson, L., & Wood, T. J. (2014). *Cost-Effective Pavement Preservation Solutions for the Real World*. St. Paul, MN: Minnesota Department of Transportation.

Wilde, W. J. (2014). *Implementation of TONN 2010*. St. Paul, MN: Minnesota Local Road Research Board.

Ejsmont, J. A., Świeczko-Żurek, B., Ronowski, G., & Wilde, W. J. (2014). *Rolling Resistance Measurements at the MnROAD Facility, Round 2*. St. Paul, MN: Minnesota Department of Transportation.

Wilde, W. J. (2013). *Development of a Concrete Maturity Test Protocol*. *Minnesota Department of Transportation*. St. Paul, Minn: Minnesota Department of Transportation.

Wilde, W. J. (2013). *PCC Surface Characteristics - Rehabilitation MnROAD Study*. *Minnesota Department of Transportation*. St. Paul, Minn: Minnesota Department of Transportation.

Ejsmont, J. A., Ronowski, G., & Wilde, W. J. (2012). *Rolling Resistance Measurements at the MnROAD Facility*. St. Paul, Minn: Minnesota Local Road Research Board.

Wilde, W. J. (2012). *Traffic Generating Development and Roadway Life Consumption*. *Minnesota Local Road Research Board*. St. Paul, Minn: Minnesota Department of Transportation.

Izevbekhai, B., & Wilde, W. J. (2011). *Innovative Diamond Grinding on MnROAD Cells 7, 8, 9, and 37*. St. Paul, Minn: Minnesota Department of Transportation.

Wilde, W. J., & Nordstrom, T. (2010). *Mn/DOT Combined Smoothness Specification*. St. Paul, Minn: Minnesota Department of Transportation.

Wilde, W. J. (2010). *Update of Vehicle Classification for County Road Pavement Design*. St. Paul, Minn: Minnesota Local Road Research Board.

Wilde, W. J. (2008). *Design Procedure for Bituminous Stabilized Road Surfaces for Low Volume Roads*. St. Paul, Minn: Minnesota Local Road Research Board.

Wilde, W. J. (2007). *Implementation of an International Roughness Index for Mn/DOT Pavement Construction and Rehabilitation*. St. Paul, Minn: Minnesota Local Road Research Board.

Wilde, W. J., Chou, K. C., & Nykanen, D. (2005). *Engineering Education for the Visual Learner*. *Learning That Lasts Grant Final Report*. Minnesota Center for Teaching and Learning.

Wilde, W. J., & Zerfas, W. (2005). *Occurrence of Bumps in Overlays*. *Minnesota Local Road Research Board*. St. Paul, Minn: Minnesota Department of Transportation.

Rasmussen, R. O., Wilde, W. J., & et al. (2003). *Performance and Design of Whitetopping Overlays on Heavily-Loaded Pavements*. *Innovative Pavement Research Foundation and Federal Highway Administration*. Concrete Pavement Technology Program.

Wilde, W. J., McCullough, B. F., & Fowler, D. W. (2001). *Development of a Quality Assurance Program for Portland Cement Concrete in South Carolina*. Columbia, South Carolina: South Carolina Department of Transportation.

Wilde, W. J., Waalkes, S., & Harrison, R. (1999). *Life Cycle Cost Analysis of Portland Cement Concrete Pavements*. *Center for Transportation Research*. The University of Texas at Austin.

McNerney, M. T., Wilde, W. J., & et. al. (1997). *Analysis of Remaining Life for Runway 17R-35L and Taxiway L at Dallas/Fort Worth International Airport*. *Aviation Research Center, Center for Transportation Research*. The University of Texas at Austin.

Harrison, R., Weissmann, J., Rasmussen, R. O., & Wilde, W. J. (1996). *Impacts of Heavy Trucks on Bridge Investment*. Austin: Federal Highway Administration.

10. Other Works in Print:

Magazine / Trade Publications:

Wilde, W. J. (2019, October). CIM Program – Student Internships. *TACA Conveyor*. Published.

Wilde, W. J. (2019, July). CIM Program Capstone Experience at Texas State University. *TACA Conveyor*. Published.

Wilde, W. J. (2019, April). The CIM Program Benefits You! *TACA Conveyor*. Published.

Wilde, W. J. (2019, January). Funding the CIM Program. *TACA Conveyor*. Published.

Wilde, W. J. (2018, October). Texas State University CIM Program 2018 Update. Published.

B. Works Not in Print:

1. Papers Presented at Professional Meetings:

Xiao, Y., Tutumluer, E., Wilde, W. J., 11th International Conference on Concrete Pavements, "Optimizing Designs of Structurally Stable Open-graded Aggregate Bases in Concrete Pavements," San Antonio, TX. (2016).

Reza, F., Wilde, W. J., 9th International Concrete Conference, "Recycled Concrete Aggregate Use in Concrete Pavements and its Performance in the US," Dundee, Scotland. (July 2016).

Additional Comments: July 4-6

Xiao, Y., Tutumluer, E., Wilde, W. J., The 2014 Airfield and Highway Pavement Conference, "Open-graded Aggregate Base (OGAB) Controlling Subsurface Moisture Regime and Structural Stability from MnROAD Instrumentation Data," Transportation & Development Institute (T&DI) of ASCE. (June 2014).

Additional Comments: June 8-11

Wilde, W. J., Dvorak, R. P., Izevbekhai, B. I., 93rd Annual Meeting of the Transportation Research Board, "Frequency-Domain Temperature Correction of Tire-Pavement Noise." (January 2014).

Budge, A. S., Wilde, W. J., GeoCongress 2008 Conference of the Geo-Institute of the American Society of Civil Engineers, "A Modified Method for Resilient Modulus Testing to Address Temperature Effects," New Orleans, LA. (March 2008).

Budge, A. S., Wilde, W. J., Geo-Denver 2007 Conference of the Geo-Institute of the American Society of Civil Engineers, "Monitoring Curing of Emulsion-stabilized Roadways Using the Dynamic Cone Penetrometer," Denver, CO. (February 2007).

Chou, K. C., Wilde, W. J., Moaveni, S., International Network for Engineering Education and Research, "Integrating Major Design Experience throughout a Small Civil Engineering Program – A 2-year Assessment and Implementation," Innovations 2005: World Innovations in Engineering Education and Research. (2005).

McNerney, M. T., McCullough, B. F., Stokoe, K. H., Lee, N., Bay, J., Wilde, W. J., Airfield Pavement Conference, "Prediction of Remaining Life of Airport Pavements," Seattle, WA. (August 1997).

Additional Comments: August 17-20, Published by ASCE, Reston, VA.

2. Invited Talks, Lectures, and Presentations:

Wilde, W. J., General Membership Meeting, "Performance of Concrete Pavements made with Recycled Concrete," American Concrete Institute - New Mexico Chapter, Albuquerque, NM, United States. (2018).

Wilde, W. J., General Membership Meeting, "Performance of Concrete Pavements made with Recycled Concrete," American Concrete Institute - San Antonio Chapter, San Antonio, TX, United States. (2018).

Wilde, W. J., Tutumluer, E., 54th Annual Concrete Paving Workshop, "Optimized Bases for Concrete Pavements," Concrete Pavement Association of Minnesota. (March 2015).

Wilde, W. J., TRB Webinar, "Concrete Maturity Protocol Development and Application." (August 13, 2014).

Wilde, W. J., 53rd Annual Concrete Paving Workshop, "Maturity Method for Minnesota Concrete Paving," Concrete Paving Association of Minnesota. (March 20, 2014).

Wilde, W. J., TERRA Pavement Conference, "Quantifying and Communicating the Effect of Heavy Vehicles on Pavements." (February 2014).

Wilde, W. J., MnROAD/TERRA Webinar, "Implementation of a Concrete Maturity Protocol." (October 2013).

Wilde, W. J., Houston County (Minnesota) County Commissioners Meeting, "Effect of Heavy Loads on Pavements." (March 2012).

Wilde, W. J., Mn/DOT Research Seminar, "Development of a Concrete Maturity Test Protocol." (November 2011).

Wilde, W. J., TERRA Innovation Series: MnROAD Research Conference, "Rehabilitated PCC Surface Characteristics." (October 2011).

Wilde, W. J., 54th Annual Asphalt Contractor's Workshop, "Combined Ride Specification: From Ghost to Contract." (March 2011).

Wilde, W. J., 14th Annual Pavement Conference, "Pavement Design Tools: FWD Analysis and 10-ton Design Charts," University of Minnesota. (February 2010).

Wilde, W. J., 48th Annual Concrete Paving Workshop, "Mn/DOT's New Ride Specification." (March 2009).

Wilde, W. J., 53rd Annual Asphalt Contractor's Workshop, "Mn/DOT's New Smoothness Specification." (March 2009).

Wilde, W. J., Johnson, E., 88th Annual Meeting of the Transportation Research Record, "Effect of Crack Sealant Material and Reservoir Geometry on Surface Roughness of Bituminous Overlays," Washington, DC. (January 2009).

Wilde, W. J., 52nd Annual Asphalt Contractor's Workshop / Minnesota Quality Initiative Workshop, "Updated Pavement Smoothness Specifications for Minnesota." (March 2008).

Wilde, W. J., 18th Annual Mn/DOT Construction Inspector's Workshop, "Test Roller Quality Assurance." (February 2008).

Wilde, W. J., Izevbekhai, B. I., Krause, M. H., 86th Annual Meeting of the Transportation Research Board, "Comparison of Profile Index and International Roughness Index for Pavement Smoothness Incentive Specifications," Washington, DC. (January 2007).

Wilde, W. J., "Several presentations to various groups throughout the Nation between 2003 and 2008 regarding mitigation of bumps in asphalt overlays." (2003).

Additional Comments: Presentations included University of Minnesota Pavement Conference (2003); MAAPT/MAPA Conference (2003 and 2006); CAPA/CDOT Asphalt Workshop (2005); and Ohio DOT/Flexible Pavements (2007).

Wilde, W. J., Grant, C. A., White, G. T., 82nd Annual Meeting of the Transportation Research Board, "Controlling and Reducing the Frequency of Pavement Utility Cuts," Washington, DC. (January 2003).

Wilde, W. J., McCullough, B. F., Fowler, D. W., 81st Annual Meeting of the Transportation Research Board, "Development of a Quality Assurance Program for Structural Concrete," Washington, DC. (January 2002).

Wilde, W. J., Zollinger, D. G., 76th Annual Meeting of the Transportation Research Board, "A Spalling Model for Jointed Plain and Jointed Reinforced Concrete Pavements Using the LTPP Database," National Research Council, Washington, DC. (January 1997).

3. Consultancies:

FWD Data Analysis, Sibley County, MN. (1925 - Present).

FWD Data Analysis, Carver County, MN. (1925 - Present).

Pavement Management Training Video (SRF Consulting): Do the Right Thing, at the Right Time, at the Right Place. (1925 - Present).

Proposal Preparation (Irathane/Industrial Rubber Products) : Highways for LIFE Technology Partnerships Program – Polyurethane Bearing Pads for Highway Bridge Construction. (1925 - Present).

Runway 15-33 Pavement Cracking at the Mankato Municipal Airport (Bolton & Menk, Inc.). (1925 - Present).

C. Scholarly / Creative Grants and Contracts:

1. Funded External Grants and Contracts:

Wilde, William James (Principal), Ikehata, Keisuke (Supporting), Aguayo, Federico Macias (Supporting), Konur, Dincer (Supporting), Dong, Zhijie (Supporting), Ozbakkaloglu, Togay (Supporting), Torres, Anthony S (Supporting), Wang, Feng (Supporting), Yoo-Jae, Kim (Supporting). Master Contract Proposal, Minnesota Department of Transportation, State. (Submitted: November 2019, Funded: January 24, 2020 - Present). Contract.

Additional Comments: This is a master contract proposal. Research ideas are solicited to develop RFPs, which are issued around August 1st each year.

Wilde, William James. Bumps in Overlays. (Funded: 1925 - Present). Grant.

Wilde, William James. Certification Program for Pavement Smoothness Specifications. (Funded: 1925 - Present). Grant.

Wilde, William James. Cost-Effective Base Type and Thickness for Long-Life Concrete Pavements. (Funded: 1925 - Present). Grant.

Wilde, William James. Cost-Effective Pavement Preservation Solutions for the Real World. (Funded: 1925 - Present). Grant.

Wilde, William James. Design Procedure for Bituminous Stabilized Road Surfaces for Low-Volume Roads. (Funded: 1925 - Present). Grant.

Wilde, William James. Development of a Concrete Maturity Test Protocol. (Funded: 1925 - Present). Grant.

Wilde, William James. Development of an IRI Smoothness Specification for New Pavement Construction. (Funded: 1925 - Present). Grant.

Wilde, William James. Development of New Test Roller Equipment and Construction Specifications. (Funded: 1925 - Present). Grant.

Wilde, William James. Impact of Heavy Traffic Generators on Pavement Performance. (Funded: 1925 - Present). Grant.

Wilde, William James. Integrated Tools for Pavement Design and Management. (Funded: 1925 - Present). Grant.

Wilde, William James. MRI: Acquisition of an X-ray Diffractometer for Research and Training Applications in a Multidisciplinary Environment. (Funded: 1925 - Present). Grant.

Wilde, William James. PCC Surface Characteristics – Data Analysis. (Funded: 1925 - Present). Grant.

Wilde, William James. Predicting the Occurrence of Bumps in Overlays – Phase 2. (Funded: 1925 - Present). Grant.

Wilde, William James. Traffic Generating Developments and Roadway Life Consumption. (Funded: 1925 - Present). Grant.

Wilde, William James. Update of Vehicle Classification for County Road Pavement Design. (Funded: 1925 - Present). Grant.

Wilde, William James. Whitetopping Construction at MnROAD. (Funded: 1925 - Present). Grant.

Torres, Anthony S, Aguayo, Federico Macias, Kim, Yoo-Jae (Co-Principal), Wilde, William James (Co-Principal). Developing Sustainable High Strength Concrete Mixtures, Concrete Industry Management Patrons Board, Private / Foundation / Corporate, $50,000.00. (Funded: May 2018 - August 2019). Contract.

2. Submitted, but not Funded, External Grants and Contracts:

Ozbakkaloglu, Togay (Principal), Percent Contribution: 35%, Aguayo, Federico Macias (Co-Principal), Percent Contribution: 35%, Asiabanpour, Bahram (Co-Principal), Percent Contribution: 10%, Wang, Feng (Co-Principal), Percent Contribution: 10%, Wilde, William James, Percent Contribution: 10%. MRI: Acquisition of Mobile 3D Printer for Additive Concrete Manufacturing to Strengthen Civil Engineering Research on Technology-Enhanced Infrastructure, National Science Foundation, Federal, $226,100.00. (Submitted: January 21, 2020, Funded: September 1, 2020 - August 31, 2021). Grant.

Final Submission Package_NSFMRI_2019-1.pdf

Wilde, James (Principal), Wang, Feng (Co-Principal), Lee, Jeff (Co-Principal), Luo, Xiaohua (Co-Principal). Development of Image Processing Based Field Test Technology for Performance Measurement of Seal Coats, Minnesota Department of Transportation, State, $199,998.00. (Submitted: August 9, 2019, Funded: September 2019 - August 2021). Grant.

Wang, Feng (Principal), Wilde, James (Co-Principal), Lee, Jeff (Co-Principal), Yan, Yan (Co-Principal), Luo, Xiaohua (Supporting), Huang, Yaxiong (Supporting). Development of a Performance Related Test for Designing Seal Coats, TEXAS DEPARTMENT OF TRANSPORTATION, State, $349,133.00. (Submitted: May 23, 2019, Funded: September 2019 - August 2021). Grant.

Valles Molina, Damian (Principal), Treinen, Raymond F (Co-Principal), Koutitas, Georgios (Co-Principal), Humphries, Evan Diane (Co-Principal), Schemmel, John Joseph (Co-Principal), Wilde, William James (Co-Principal). Quantification of the Performance of Preventive Maintenance and Rehabilitation Strategies, TxDOT, State, $215,931.45. (Submitted: April 2018, Funded: September 2018 - August 2021). Grant.

Emami, Anahita (Principal), Wilde, William James (Co-Principal), Khaleghian, Seyedmeysam (Co-Principal), Shi, Xijun (Co-Principal). Development of Models for Field Performance of Friction and Skid Number, Texas Department of Transportation (TxDOT), State, $574,515.44. (Submitted: March 17, 2021). Grant.

KIM, YOOJAE (Principal), Percent Contribution: 40%, Aguayo, Frederico (Co-Principal), Percent Contribution: 20%, Lee, Soon-Jae (Co-Principal), Percent Contribution: 20%, Wilde, William (Co-Principal), Percent Contribution: 20%. Synthesis of Precast Column Designs for Texas Bridges (19-11), Texas Department of Transportation, State, $65,000.00. (Submitted: April 11, 2018, Funded: September 1, 2018 - August 31, 2019). Grant.

Torres, Anthony S (Co-Principal), Wilde, William James (Supporting). Exploring Feasibility of Using Rapid Setting Cements as a Cost-Effective Solution for Structural Applications in Texas, State, $300,942.50. (Submitted: January 2019). Grant.

Torres, Anthony S (Co-Principal), Aguayo, Federico Macias (Co-Principal), Kim, Yoo-Jae (Supporting), Wilde, William James (Supporting), Bandelt, Mathew (Supporting), Adams, Mathew (Supporting). Utilization of UHPC Bridge Superstructures in Texas, State, $529,439.30. (Submitted: January 2018). Grant.

Wilde, William James. Research Implementation Activities. (Funded: 2005 - 2006). Grant.

Wilde, William James. Design Guide and Recommendations for the Use of Stabilized and Drainable Sub-base in Rigid Pavement Systems (Design, Specification, and Construction). (Funded: 1925 - Present). Grant.

Wilde, William James. Development of a Center of Excellence for Conflict Management and Consensus. (Funded: 1925 - Present). Grant.

Wilde, William James. Effect of Crack Fillers on HMA Overlays. (Funded: 1925 - Present). Grant.

Wilde, William James. Effect of Wide-Base Super-Single Tires on Pavements. (Funded: 1925 - Present). Grant.

Wilde, William James. Gravel Surfacing Guidelines for South Dakota. (Funded: 1925 - Present). Grant.

Wilde, William James. Innovative Technologies for Identification of Delaminations in Bridge Decks. (Funded: 1925 - Present). Grant.

Wilde, William James. Lightly Surfaced Roads; Stabilized Aggregate Applications. (Funded: 1925 - Present). Grant.

Wilde, William James. Minimum Water to Cementitious Ratio for Concrete Paving. (Funded: 1925 - Present). Grant.

Wilde, William James. MnROAD ALPS Device Suitability for PCC Warp and Curl Measurements. (Funded: 1925 - Present). Grant.

Wilde, William James. NSF REU Site: Support for undergraduate research in pavements and pavement-related materials. (Funded: 1925 - Present). Grant.

Wilde, William James. Optimal RAP Content for Minnesota Gravel Roads. (Funded: 1925 - Present). Grant.

Wilde, William James. Pavement Impacts Under Super Single Tires. (Funded: 1925 - Present). Grant.

Wilde, William James. PCC and HMA Evaluation Tool for Local Agencies. (Funded: 1925 - Present). Grant.

Wilde, William James. PCC Pavement Thickness Variation. (Funded: 1925 - Present). Grant.

Wilde, William James. Structural Evaluation of Asphalt Pavements with Full-depth Reclaimed Base. (Funded: 1925 - Present). Grant.

Wilde, William James. Susceptibility of Jointed Concrete Pavements and Curbs to Buckling and Development of Implementable Mitigation Techniques. (Funded: 1925 - Present). Grant.

Wilde, William James. The Impacts of Energy Development on U.S. Roads and Bridges. (Funded: 1925 - Present). Grant.

Wilde, William James. Transition Of Paved County Highways/City Streets To Gravel. (Funded: 1925 - Present). Grant.

3. Funded Internal Grants and Contracts:

Wilde, William James. Mitigating Alkali-Silica Reaction in Portland Cement Concrete Pavements. (Funded: 1925 - Present). Grant.

4. Submitted, but not Funded, Internal Grants and Contracts:

Wang, Feng (Principal), Yan, Yan (Co-Principal), Lee, Jeff (Co-Principal), Wilde, James (Co-Principal), Luo, Xiaohua (Supporting). Development of Image Processing Based Field Test Technology for Performance Measurement of Seal Coats, Texas State University, Texas State University, $29,800.00. (Submitted: May 31, 2019, Funded: September 2019 - August 2020). Grant.

D. Scholarly / Creative Fellowships, Awards, Honors:

Fellowship Recipient: Eisenhower Faculty Fellowship.
1925 - Present

IV. SERVICE

A. Institutional

1. University:

Chief Proctor, NCEES Fundamentals of Engineering Exam. (2006 - 2013).

Member, Faculty Association's State Budget Oversight Committee. (2010 - 2012).

Member, Assessment and Evaluation Committee. (2009 - 2012).

Faculty Advisor, MSU Chess Club. (2007 - 2008).

Member, College Curriculum Committee, AY. (2005 - 2006).

3. Department/School:

Faculty Advisor for student organization, Civil Engineers at Texas State. (November 2017 - 2019).

Assessment Coordinator. (August 2010 - 2017).

Concrete Canoe Competition team advisor. (2003 - 2017).

Search Committee Chair, multiple positions. (2003 - 2017).

Additional Comments: Spring

Civil Engineering Program Director. (August 2009 - August 2017).

Search Committee Chair, multiple positions. (2005 - 2015).

Additional Comments: Spring

Student Chapter Faculty Advisor. (2004 - 2008).

Acting Department Chair. (2005).

Additional Comments: Fall

B. Professional:

Member, Texas Aggregates and Concrete Association, TX, United States. (June 2018 - Present).

Additional Comments: Education Committee
Specifications Committee

Member, American Concrete Institute San Antonio Chapter - Board of Directors, San Antonio, TX, United States. (November 2017 - Present).

Friend and Paper Reviewer, TRB Committees on Rigid Pavement Design (AFD50), Rigid Pavement Construction (AFH50), Flexible Pavement Design (AFD60), Low Volume Roads (AFB30) and Pavement Rehabilitation (AFD70). (1925 - Present).

Member, ACI Committees: Concrete Pavements (325), History of Concrete (120), Early Age Properties of Concrete (231), and Teaching Methods and Educational Materials Committee (S802). (1925 - Present).

Member, ASCE Airfield Pavements Committee. (1925 - Present).

Vice President, American Concrete Institute - San Antonio Chapter. (January 2021 - December 2021).

University Representative, Transportation Research Board. (1994 - 2018).

Member, TRB Committee on Utilities (AFB70). (1997 - 2006).

Member, Project review expert task group for the Strategic Highway Research Program II (SHRP-II). (2005).

C. Community:

Legislative Committee, Mankato Area School District. (2014 - 2017).

Talent Development Committee (for Gifted and Talented Children), Mankato Area School District. (2014 - 2017).

“Elementary Engineering” after school workshop for 3-6 graders, with MSU students from all engineering disciplines, Mankato Area School District. (2014 - 2017).

Merit Badge Counselor, Boy Scouts of America (Troop 231, Twin Valley Council, Mankato, Minnesota). (2003 - 2017).

Committee Chair, Boy Scouts of America (Troop 231, Twin Valley Council, Mankato, Minnesota). (2012 - 2015).

Chartered Organization Representative, Boy Scouts of America (Troop 231, Twin Valley Council, Mankato, Minnesota). (2008 - 2013).

Curriculum Advisory Council, Mankato Area School District. (2009 - 2012).

K-6 Science Curriculum Selection Committee, Mankato Area School District. (2010 - 2011).

Scoutmaster, Boy Scouts of America (Troop 231, Twin Valley Council, Mankato, Minnesota). (2003 - 2008).

D. Organization Memberships:

American Concrete Institute - San Antonio Chapter (ACI San Antonio). (2018 - Present).

Additional Comments: President: 2022
Vice President: 2021

American Concrete Paving Association (ACPA). (2015 - Present).

American Concrete Institute (ACI). (2001 - Present).

American Society of Civil Engineers (ASCE). (1993 - 2021).

Minnesota Surveyors and Engineers Society (MSES). (2003 - 2018).

Transportation Research Board (TRB). (1995 - 2017).

International Society for Concrete Pavements (ISCP). (2003 - 2015).

E. Service Honors and Awards:

Award / Honor Recipient: Excellence in Academic Advising.
1925 - Present