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### **Professional Preparation**

B.S. in Civil Engineering (with Honors), Seoul National University, Seoul, Korea  
M.S in Civil Engineering, The University of Texas at Austin  
Ph. D. in Civil Engineering, The University of Texas at Austin

### **Professional Chronology**

Professor of Civil, Environmental and Construction Engineering, Texas Tech University (2008-present)  
Research Associate, Center for Transportation Research, The University of Texas at Austin (2004-2008)  
Design/Materials Engineer (State Concrete Engineer), Texas Department of Transportation (1990-2004)

### **Research Interests**

Design, behavior, performance, evaluations and repair of rigid pavement  
Portland cement concrete materials  
Forensic evaluations of failures in rigid pavements and concrete structures

### **Synergistic Activities/Committee Membership**

1. Editorial Board – International Journal of Concrete Structures and Materials
2. ACI Committee 325 – Concrete Pavement
3. TxDOT Concrete Pavement Working Group

### **Selected Publications (Last 3 years)**

1. Rouzmehr, F., Bae, S. W., Won, M. (2023). Reinforcement Design Optimization for Continuously Reinforced Concrete Pavement: One-mat vs. Two-mat. *International Journal of Pavement Engineering*, 24, 16. DOI: 10.1080/10298436.2023.2273325
2. Poudyal, L., Adhikari, K., Won, M. (2021). Mechanical and Durability Properties of Portland Limestone Cement (PLC) Incorporated with Nano Calcium Carbonate (CaCO<sub>3</sub>). *Materials*, 905(14).
3. Hong, G., Kim, J., Yeon, J. H., Won, M., Choi, S. (2021). Comparison of Stress Fields near Longitudinal Construction Joints of Tied and Doweled Sections in Portland Cement Concrete Pavements. *Sustainability*.
4. Rouzmehr, F., Choi, P., Nam, J., Won, M. (2021). Improvements of Quality Assurance Testing Program for Subgrade and Base Layer Construction. *Construction and Building Materials*, 310(125157).
5. Jeon, S., Choi, P., Won, M. (2021). Punchout evaluations and classification of continuously reinforced concrete pavement to improve pavement design. *Road Materials and Pavement Design*, 22(7), 1481-1499.
6. Poudyal, L., Adhikari, K., Won, M. (2021). Nano Calcium Carbonate (CaCO<sub>3</sub>) as a Reliable, Durable and Environment-Friendly Alternative to Diminishing Fly Ash. *Materials*.

### **Selected Presentations (Last 3 years)**

1. Continuously Reinforced Concrete Pavement in Texas (Distinguished Lecture), TxDOT/Cement Council of Texas Concrete Conference (November 18, 2021, Austin Texas)