

Timothy R.B. Taylor, P.E., Ph.D.

Terrell-McDowell Endowed Chair of Construction Engineering and Project Management
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EDUCATION AND TRAINING

Ph.D., Department of Civil Engineering, Texas A&M University, August 14, 2009

M.S., Department of Civil Engineering, University of Kentucky, May 6, 2001

B.S. Department of Civil Engineering, University of Kentucky, December 17, 1999

GRANTS RECEIVED (PREVIOUS 4 YEARS)

1. Dadi, G. (PI), Nassereddine, H. (Co-PI), Taylor, T. (Co-PI), Griffith, R. (Co-PI). “Technological capabilities of DOTs for digital project management and delivery.” NCHRP Synthesis 52-19. December 2020 – May 2022. \$45,000 (**Taylor \$6,000**)
2. Nassereddine, H. (PI), Taylor, T. (Co-PI), Dadi, G. (Co-PI), Griffith, R. (Co-PI). “Models as construction contract documents.” NCHRP Synthesis 52-14. November 2020 – May 2022. \$45,000 (**Taylor \$6,000**)
3. Harper, C. (PI), Tran, D. (Co-PI), and Taylor, T. (Co-PI). “Guidance for training and certification of construction inspectors for transportation infrastructure.” NCHRP 23-05. July 2020 – July 2022. \$450,000 (**Taylor \$80,000**)
4. Harper, C. (PI) and Taylor, T. (Co-PI). “Practices for closing out highway projects from substantial completion to final payment.” NCHRP Synthesis 51-17. November 2019 – September 2020. \$45,000 (**Taylor \$9,500**)
5. Taylor, T. (PI), Goodrum, P. (Co-PI), and Real, K. (Co-PI), “Modeling the composition of the 2030 workforce” Funded by the Construction Industry Institute. RT-370. September 2019 – September 2021. **\$165,000**
6. Taylor, T. (PI), Sturgill, R. (Co-PI), Jasper, J. (Co-PI), “Integration of utility coordination in highway design.” Funded by the Federal Highway Administration (80%) and the Kentucky Transportation Cabinet (20%). KYSPR-20-581. July 2019 – June 2021. **\$165,000**
7. Taylor, T. (PI), “Development and use of as-built plans by state DOTs,” NCHRP Synthesis 50-12. November 2018 – September 2019. **\$45,000**
8. Taylor, T. (PI) and Sturgill, R. (Co-PI), “Utility coordination efficiency, safety, cost, and schedule impacts using various contracting methods.” NCHRP 20-07 Task 407. October 2018 – December 2019. **\$100,000**
9. Taylor, T. (PI) and Sturgill, R. (Co-PI), “Risk-based construction inspection” Funded by the Federal Highway Administration (80%) and the Kentucky Transportation Cabinet (20%). KYSPR-19-569. July 2018 – June 2021. **\$200,000**
10. Taylor, T. (PI) and Sturgill, R. (Co-PI), “Redefining construction ‘as-built’ plans to meet current KYTC needs.” Funded by the Federal Highway Administration (80%) and the Kentucky Transportation Cabinet (20%). KYSPR-18-555. July 2017 – June 2019. **\$150,000**

PEER-REVIEWED JOURNAL PUBLICATIONS (PREVIOUS 4 YEARS)

1. *Albalawi, R., Goodrum, P., and Taylor, T. (2023) “Applying the Tier II construction management strategy to measure the competency level among single and multiskilled craft professionals.” *Buildings* 13(5), 1175. <https://doi.org/10.3390/buildings13051175>
2. *Montes Victorio S, R Sturgill and T Taylor. “Evaluating and Incorporating Utility Coordination Practices into the KYTC Project Development Process.” *Transportation Research Record*. In Press.
3. *Ramadan, B., Nassereddine, H., Taylor, T., & Goodrum, P. (2023). Impact of Technology Use on Workforce Performance and Information Access in the Construction Industry. *Frontiers in Built Environment*, Volume 9 (33). <https://doi.org/10.3389/fbuil.2023.1079203>

4. *Al-Haddad, S., Li, Y., Goodrum, P., Taylor, T., Littlejohn, R. U.S. (2021) Transportation agencies trends of using construction engineering and inspection consultants and in-house staff. *Transportation Research Record*. Volume 2676, Issue 1 <https://doi.org/10.1177/03611981211041605>
5. *Minooei, F., Goodrum, P., Taylor, T. 2020. Young talent motivations to pursue craft careers in construction: The theory of planned behavior. *ASCE Journal of Construction Engineering and Management*. [https://doi.org/10.1061/\(ASCE\)CO.1943-7862.0001867](https://doi.org/10.1061/(ASCE)CO.1943-7862.0001867)
6. Kermanshachi, S., Safapour, E., Anderson, S., Goodrum, P., and Taylor, T. 2020. Establishment of effective project scoping process for highway and bridge construction projects, *ASCE Journal of Practice Periodical on Structural Design and Construction*. [https://doi.org/10.1061/\(ASCE\)SC.1943-5576.0000427](https://doi.org/10.1061/(ASCE)SC.1943-5576.0000427).
7. *Al Battah, M., Goodrum, P., Taylor, T., Littlejohn, R. 2019. A comparative analysis of multiskilling among U.S. Hispanic and non-Hispanic construction craft workers. *International Journal of Construction Management*. DOI: 10.1080/15623599.2019.1621006
8. Li, Y., *Al-Haddad, S., Taylor, T., Goodrum, P., and Sturgill, R. 2019 The impact of utilizing construction engineering and inspection consultants on highway construction cost and schedule performance. *Transportation Research Record: Journal of the Transportation Research Record*.
9. *Al Battah, M., Goodrum, P., and Taylor, T. (2019) A new metric of workforce availability among construction occupations and regions. *ASCE Practice Periodical on Structural Design and Construction*. 24 (2). [https://doi.org/10.1061/\(ASCE\)SC.1943-5576.0000413](https://doi.org/10.1061/(ASCE)SC.1943-5576.0000413)

HONORS AND AWARDS

American Association of State and Highway Transportation Officials (AASHTO) Committee on Right of Way, Utilities, and Outdoor Advertising Control (CRUO) Axis Stewardship Award. 2023.

Transportation Research Board Construction Management Committee (AKC10) Best Poster Award, “Evaluating and Incorporating Utility Coordination Practices into the Kentucky Transportation Cabinet Project Development Process.” 2023 Annual Meeting of the Transportation Research Board, Washington, D.C.

ASCE *Journal of Construction Engineering and Management*, Best Paper Award, “Young Talent Motivations to Pursue Craft Careers in Construction: The Theory of Planned Behavior”, 2021

Henry Mason Lutes Award for Excellence in Engineering Education, University of Kentucky College of Engineering, 2016

University of Kentucky Department of Civil Engineering Chi Epsilon Outstanding Teacher in Civil Engineering Award, 2016.

Great Teacher Award, University of Kentucky Alumni Associate/Omicron Delta Kappa, 2015

ELECTRI Early Career Award Winner, ELECTRI International, 2010

Dana Meadows Award, System Dynamics Society, 2009

PROFESSIONAL SERVICE

Member, Transportation Research Board, Construction Management Committee (AKC10), 2010 – 2024.

Member, Transportation Research Boards, Utilities Committee (AKD70), 2017 – 2023

Member, Construction Research Congress, 2010 – present