

# Dick T. Apronti, Ph.D.

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## EDUCATION

<b>PhD</b>	University of Wyoming, Laramie, Wyoming Major: Civil Engineering Supporting Areas of Emphasis: Transportation Engineering Dissertation: Estimating Traffic Volume on Wyoming Low-Volume Roads	2015
<b>MS</b>	University of Wyoming, Laramie, Wyoming Major: Civil Engineering Supporting Areas of Emphasis: Transportation Engineering Thesis: Evaluating Base Widening Methods	2013
<b>BS</b>	Kwame Nkrumah University of Science & Technology Major: Civil Engineering	2008

## ACADEMIC AND PROFESSIONAL EXPERIENCE

<b>Assistant Professor,</b> Angelo State University, San Angelo, Texas David L. Hirschfelds Department of Engineering	Jul 2017 - Present
<b>Post-Doctorate Research Associate, University of Wyoming</b> University of Wyoming, Laramie, Wyoming Department of Civil and Environmental Engineering	Jan 2016 – Jun 2017
<b>Assistant Civil Engineer</b> Transtech Consult Ltd., Accra, Ghana <ul style="list-style-type: none"><li>Geometric design</li><li>Construction supervision</li></ul>	Aug 2007 – Aug 2011

## GRANT HISTORY

• Grant for the project entitled "Diversifying the West Texas Civil and Mechanical Engineering Workforce"	\$1,499,710	2022
• The AREMA Educational Foundation travel sponsorship to the 2022 Railway Engineering Education Symposium (REES 2022)	\$750	2022
• San Angelo MPO and the Concho Valley Transit District to Develop a Transportation Needs Assessment report	\$27,579	2020
• Faculty Learning Commons mini-grant for Scholarship in Teaching and Learning	\$2,500	2020
• Instructional Capacity mini-grant, Angelo State University	\$2,500	2017

## TEACHING EXPERIENCE

<b>Angelo State University</b> , San Angelo, Texas Assistant Professor	Aug 2017 to Present
<ul style="list-style-type: none"><li>ENGR 1304 Engineering Graphics</li><li>ENGR 1307 Plane Surveying</li></ul>	

- CENG 3311 Introduction to Transportation Engineering
- CENG 4311 Geometric Design of Highways
- CENG 4331 Construction Materials and Pavement Design

**University of Wyoming**, Laramie, Wyoming

Served as Teaching Assistant

Aug 2011 to June 2017

- ES 1060 Introduction to Engineering Problem Solving
- CE 3500 Transportation Engineering

## **PUBLICATIONS**

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### ***Technical Reports***

- Apronti, Dick T., Jaime J. Hepner, and Khaled Ksaibati. Wyoming Low-Volume Roads Traffic Volume Estimation. No. WY 16/04F; FHWA-WY-16/04F. Wyoming. Dept. of Transportation, 2015.
- Moomen, M., Apronti, Dick T., Molan, Amirarsalan M., and Khaled, K. Updating and Implementing the Grade Severity Rating System (GSRS) For Wyoming Mountain Passes (Volume 1), November 2018
- Moomen, M., Raja, Mustaffa N., Mashhadi, Mohammad M. R., M., Apronti, Dick T., and Khaled, K. Updating and Implementing the Grade Severity Rating System (GSRS) For Wyoming Mountain Passes (Volume 2), November 2018

### ***Journal Publications***

- Apronti, D., Ksaibati, K., Gerow, K., & Hepner, J. J. (2016). Estimating traffic volume on Wyoming low volume roads using linear and logistic regression methods. *Journal of traffic and transportation engineering (English edition)*, 3(6), 493-506.
- Offei, E., Ksaibati, K., Young, R. K., & Apronti, D. (2016). Evaluating base widening methods. *International Journal of Pavement Engineering*, 17(6), 517-527.
- Apronti, D. T., & Ksaibati, K. (2018). Four-step travel demand model implementation for estimating traffic volumes on rural low-volume roads in Wyoming. *Transportation planning and technology*, 41(5), 557-571.
- Apronti, D. T., Saha, P., Moomen, M., & Ksaibati, K. (2019). Truck safety evaluation on Wyoming mountain passes. *Accident Analysis & Prevention*, 122, 342-349.

### ***Conference Presentations***

- Ramic, Andrea, and Dick Apronti. "Learning About Equity from an Undergraduate Research of a University Campus Parking System." ASEE 2021 Gulf-Southwest Annual Conference. 2021.
- Apronti, Dick. "Lessons Learned: College Student Surveys as a Professional Development Tool." 2021 ASEE Virtual Annual Conference Content Access. 2021.
- Apronti, Dick T., Jaime Jo Hepner, and Khaled Ksaibati. Estimating Traffic Volumes on Low Volume Roads in Wyoming. No. 15-1830. 2015.

## **PROFESSIONAL TRAINING**

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### **Seminar or Workshop**

- 2022 Railway Engineering Education Symposium, June 2022
- Attended the virtual ESCALA HSI-Faculty Summer Institute workshop through ASU's CREEME grant, July, 2020.
- ExCEED Teaching Workshop, Fort Myers, Florida, August 4 - 10, 2019
- National Effective Teaching Institute (NETI), Philadelphia, PA, Aug 1-3, 2018
- IBPI Integrating Bike-Ped Topics into University Transportation Courses, Portland State University, Portland, Oregon, July 12-13, 2017