

RIJESH KARMACHARYA, MS in Civil Engineering



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Civil Engineering Professional working as a Project Designer. Professional interests related to design of roadway facilities, traffic signal design, highway drainage, and highway safety.

EDUCATION

Jan 2017 - May 2019

MASTER OF SCIENCE IN CIVIL ENGINEERING
College of Engineering
Kansas State University, Manhattan, Kansas

December 2011

BACHELOR OF CIVIL ENGINEERING
Kathmandu Engineering College
Tribhuvan University, Nepal.

EXPERIENCE

Sep 2019 – Current

PROJECT DESIGNER
Employed by Access Engineering, LLC.
Roadway design, traffic signal design, transportation safety, traffic studies

Jan 2017 – Feb 2019

GRADUATE RESEARCH ASSISTANT
Employed by Kansas State University
Research related to the calibration of safety prediction models for urban intersections provided in the Highway Safety Manual in Kansas

Oct 2012 – March 2016

SITE ENGINEER
Employed by Tamrakar House / Uni-Tech Consortium
Supervised construction of shopping complex as per design, and structural and architectural drawings in Kathmandu, Nepal

September 2012

ENGINEER / TECHNICAL SURVEYOR
Employed by NEWAH (Nepal Water For Health)
Conducted a preliminary survey and design of the drinking water distribution system in Udaypur, Nepal

March 2012 – May 2012

ENGINEER/ SURVEYOR OF SUSPENSION BRIDGES
Employed by Cemeca HRA Pvt. Ltd under TBSU, Helvetas
Surveyed existing conditions of components of trail bridges in Bajhang and Doti, Nepal

RESEARCH

- January 2019 (defense) **MASTER'S THESIS**
Karmacharya, R. (2019). *Estimating calibration factors and developing calibration functions for the prediction of crashes at urban intersections in Kansas.* (Thesis).
Major professor: Dr. Sunanda Dissanayake
- January 2019 **POSTER PRESENTATION**
Karmacharya, R., & Dissanayake, S. (2019). *Calibration of the Highway Safety Manual prediction models for unsignalized intersections at urban and suburban areas in Kansas.* Poster presentation. 98th Annual Meeting, Transportation Research Board, Washington D.C.
- July 2018 **POSTER PRESENTATION**
Karmacharya, R., & Dissanayake, S. (2018). *Calibration of the Highway Safety Manual for 4-legged Signalized Intersections at urban and suburban areas in Kansas.* Poster presentation. ASCE International Conference on Transportation & Development (ICTD), Pittsburgh, Pennsylvania.

AFFILIATIONS AND LEADERSHIP

- 2018 - 2019 Secretary for Nepalese Students' Association, KSU
- 2017 - 2018 Cultural coordinator for Nepalese Students' Association, KSU
- 2017 - Current Student member of American Society of Civil Engineers
- 2012 - Current Registered member of Nepal Engineering Council

AWARDS AND SCHOLARSHIPS

- Fall (Aug-Dec) 2018 John A. Angold Graduate Engineering Scholarship, College of Engineering
- Spring (Jan-May) 2018 Scholarship for Capitol Graduate Research Summit, Graduate School

COMPUTER SKILLS

AutoCAD	■■■■■■■■■■□	SIDRA	■■■■■■■■■■□
Microsoft Office	■■■■■■■■■■□	RODEL	■■■■■■■■■■□
SAS	■■■■■■■■■■□	AutoTURN	■■■■■■■■■■□
GIS	■■■■■■■■■■□	SAP	■■■■■■■■■■□
TORUS	■■■■■■■■■■□	ETABS	■■■■■■■■■■□
MicroStation	■■■■■■■■■■□		

LANGUAGES

Nepali	■■■■■■■■■■□	English	■■■■■■■■■■□
Hindi	■■■■■■■■■■□	Newari	■■■■■■■■■■□