**DIKSHYA POKHAREL**

203-106 Goodwood Park Court, Toronto, M4C 2H1

P: 647-760-3708 • E: dikshya62@gmail.com

**CIVIL ENGINEER (EIT)**

Recent graduate with Bachelor’s Degree in Civil Engineering and 3 months of experience at Varcon Construction as survey coordinator for BRT Project. Effective time management and organizational skills successfully demonstrated in deadline-oriented environment. Proven track record of problem solving, ability to multitask working independently and with team, and willingness to learn new tasks overtime. Strong written and verbal communication skills.

**KNOWLEDGE AND PROFICIENCY**

**MS Office Application:** Word, Excel, PowerPoint, Project

**Engineering Drawing and Calculation:** As built, scope deletion, quantity take-offs

**Survey instruments:** Global Positioning Systems (GPS), Total Station, Data Collector and Geographic Information System (GIS)

**Construction Field:** Stations, elevation, surface check, catch basin, water line, storm, sewer, asphalt, compaction and more

**Engineering Software:** AutoCAD (2D and 3D), Synchro 8, HCS 7, Intercalc

**RELEVANT PROJECTS**

**Survey Coordinator (Coop Placement),** Varcon Construction 2018

*Overview: Bus Rapid Transit (BRT) project at Pickering, Kingston and Whites Road by Region of Durham, designed by Aecom and contracted by Varcon Construction.*

* Reviewed design, drawings for as-built, scope deletion and quantity take-offs.
* Assisted chief surveyor on field analyzing stations, elevation, surface check, catch basin, main water line, storm and locates as well as with paper work such as grade sheets.
* Reviewed contract conditions, specifications and standards facilitating billing process for subcontractors.
* Coordinated with Project Coordinator on material ticket log in, look ahead schedule, purchase order, whether check.
* Coordinated with materials testing consultant for required field testing.

**Traffic Operation Project,** Ryerson University, 4th year 2017

*Overview: Group Project (team of 4) on exploring conditions such as signal timing, bicycle lanes, protected and permitted lane in order see changes in level of service (utilizing Synchro)*

* Collected data of signal timing, number of road, parking, bicycle lanes, and protected, permitted or restricted lanes to get familiarized with intersections.
* Analyzed the conditions of particular intersections, using Synchro and utilizing data collected by team and data given by city.
* Optimized/improved traffic operations on the existing network during peak hour in Synchro without making any geometric changes.
* Explored conditions and changes related to how they will affect the level of service or direction of traffic at intersections.

**RELEVANT PROJECTS** *continued…*

**Capstone Project** 2016-2017

Ryerson University, 4th year

*Overview: Innovation Solutions to prevent rear end collision when exiting the highway*

* Analyzed critical sections gaining knowledge about type of collision while focusing on 3 severity levels of motor collision: Fatal, Injury and Property damage.
* Explored 3 scenarios for finding solutions: Border crossing, Traffic signal, Exit ramp for rear end collision.
* Developed criteria for each solution, based on collision effect and cost analysis and recommended the best solution for each scenario to help reduce collision and reduce cost.
* Prepared final report of 75 pages in cooperation with 5 group members and presented project in front of clients from MTO, professor and classmates.

**EDUCATION**

**Bachelor of Engineering in Civil Engineering** 2017

Ryerson University, Toronto, ON

*Related Courses:*

Project Management, Transportation Planning, Traffic operation, Pavement Design and Management, Highway materials, Geotechnical properties of soil, Geology for Engineers, Structural Analysis, Environmental Science and Engineering, Fluid Mechanics, Fundamental of surveying, Graphics, Strength of Materials, Structural Steel Design

**VOLUNTEER EXPERIENCE**

**NYLD (Newcomer Youth Leadership Development) Program** 2012

YMCA, Brampton, ON

* Welcomed and guided 55 + participants of Ontario Game Program helping them to easily find registration table and their playground.
* Performed dance act and organized equipment for conducting multicultural programs, promoting different cultures knowledge and understanding.