**Malik Bsaiso**  
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ON, CA

**PROFESSIONAL SUMMARY**

A Transportation Engineer with over five years’ experience in the Traffic and Highway Engineering field. Experienced in Travel Demand Forecasting, Demand Supply Management, Transportation Planning, Private & Public Transport Modelling, Traffic Impact Study and LOS analysis. Knowledge in various traffic modelling and analysis applications. Responsibilities entail assisting senior traffic engineers and managers in carrying out design and traffic studies for various projects along with liaising with the authorities for their reviews and approvals. Also Experienced in Roads and Highways Engineering, Carried out designs of Communities, Local roads, Express roads in addition to bridges and tunnels in various mega project across Dubai.

<https://www.linkedin.com/in/malik-bsaiso-3b8b9aab/>

**EXPERIENCE**

**Parsons Corporation (April 2018 – Current)   
Dubai, UAE  
Traffic Engineer**

* **Traffic Operation Analysis**- Analysis of weaving segments and Interchanges in freeways  
  - Analysis of junctions (Signalized & unsignalized)  
  - Optimizing Signal timings for better traffic flow
* **Traffic Simulation** - Develop traffic simulation models using micro-simulation software  
   - Model traffic movement though signalized / non-signalized junctions  
   - Signal phasing design for fixed-time signals.
* **Technical writing \ Data Manipulation** - Preparing technical reports that include TIS reports and project   
   - Prepare technical presentations for people without technical background  
   - Skilled in utilizing built-in excel functions to generate large sets of data.

**Parsons Corporation (April 2014 – April 2018)   
Dubai, UAE  
Highway Design Engineer**- Adept at implementing designs of Horizontal and vertical alignments in addition to grading for, local roads, expressways, bridges and tunnels

- Supporting site offices by attending to concerns related to designs in addition to modifying the design in case of new challenges coming into equation.

- Communicate with clients and approval authorities to attain project approvals.  
- Extract and calculate elevation points across the mapping system of the project

- Preparing and drawing existing and proposed cross sections for the project as required  
- Quality control for designed projects throughout the design and the submissions stages

**DLUSSO Facilities Supply (Jan 2013 – April 2014)  
Dubai, UAE  
Site Civil Engineer** - Participate in basic layout and field engineering activities

* Research and resolve drawing interpretation problems, conflicts, interferences and errors.
* Review Subcontractor Shop drawings.
* Support site foreman as needed.
* Prepare field logs.
* Ensure construction works comply with all the design drawings, engineering standards, codes and specifications.

**EDUCATION**

**Bachelor of Science in Civil Engineering (BSCE)**

American University of Sharjah, Sharjah, UAE (2007- 2012)

**Software Knowledge**

* Experienced in Synchro
* Experienced in Sidra
* Good knowledge in Visum
* Good knowledge in Vissim
* Experienced in HCS software (Highway Capacity Manual)
* Experienced in using design softwares such as Microstation, AutoCad, Inroads and Geopak
* Experienced in MS Office Word, powered & Excel including basic programming commands
* Proficient in Adobe Photoshop.
* Experienced in Auto-turn for Swept path Analysis

NOTABLE PROJECTS

* **Traffic Operations:**
* Al Merqaab – Sharjah/ Ajman: Took a Major part in the Analysis of the project. Work required to develop templates and extract date from the model and process it to check the operation status of Junctions, freeways, interchanges and weaves.
* Expo 2020 Phasing: was responsible for coming up with a phasing plan that would lower the cost of construction on the span of 10 years and keep traffic flow in an acceptable operating service.
* Madinat Jumerah Living: Was responsible to develop simulation using Vissim Program for the project to deliver to the client in order to understand the current and future anticipated traffic flows based on the Model.
* 6th Crossing – Dubai: Took major part in the analysis of the project. Work required to develop templates and extract date from the model and process it to check the operation status of Junctions, freeways, interchanges and weaves.
* **Highway Designs:**
* Al Merqaab – Sharjah/ Ajman: Took a Major part in design of the Horizontal and vertical alignments in addition to laying out corsssections for the project.
* Al Etihad Road – RAK : Was involved in the follow-up between RAK Municipality and client (Marjan Island). Also, attended to concerns from the client and fixed them form technical apects.
* Al Zahia City Center - Sharjah: Took a Major part in the Design and development of the Access to the Mall
* Dubai Cycle Track – Dubai: Took a Major part in the Design and development of the Cycle track project in Dubai
* Remraam - Dubai: worked on getting Traffic Impact Studies (TIS) approvals from RTA Dubai
* Crown Plaza Service road Access - Dubai: Work on the enhancement of the crown plaza access to allow for smoother traffic flow.
* GEC - QATAR: Took part in this project that worked on the overall enhancement of the roads in various places in Qatar.
* JEWEL OF CREEK – Dubai: Was involved in the technical part of this project in tender stages
* SHINDIGA – Dubai: Took part in the design and development of the SHINDIGA Tunnel enhancement project in Dubai.

**ADDITIONAL INFORMATION**

**Language skills:** English (Fluent)

**Certifications:** EIT - Engineer in Training (under Process), Bently Inroads Fundementals  
**Visa Status:** Canadian permeant resident / Authorized to work

**Mobility:** Valid international Driving License (G license under Process)