

Fidel Labit, EIT

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Jul 2017 – Jun 2018: Transit Planner/Engineer, HDR Corporation – Conducted transit feasibility studies and developed service designs for clients representing North American municipalities. Performed site inspections, engaged with stakeholders, and reviewed relevant documentation in order to provide analysis on existing conditions. Wrote, organized, and performed quality control on reports, technical memos, and other documentation. Delivered presentations to clients, stakeholders, and the general public. Provided projections for transit ridership and costs. Created transit service designs.

- Increased client rapport by quickly providing technical memos on various bus rapid transit design considerations.
- Obtained crucial feedback by engaging in discussions with over 200 residents at a stakeholder engagement session.
- Enabled continuation of a major infrastructure study by summarizing 40 years of technical documentation.
- Supported department's bid by providing detailed knowledge of the potential client's transit network and future needs.

Sep 2014 – Dec 2016: Transit Planner, MiWay (City of Mississauga) – Analyzed ridership data, customer requests and operator feedback to understand travel patterns and route performance issues. Optimized resource utilization for fleet and operator assets. Developed and revised short- and long-term service plans to solve and improve the transit network. Collaborated with various agencies on transit and transportation issues. Created and delivered tailored business presentations to relocating businesses. Provided input on development and infrastructure projects that affect public transit operations.

- Created a Stop Database and a Stop Placement Guideline for a comprehensive review of the City's 4000+ bus stops.
- Prepared for future population growth by developing MiWay 5, a five year plan to transform the City's transit system.
- Maintained 100%/year growth for 3 years on a major express bus service through reallocation of fleet resources.

Nov 2012 – Aug 2014: Streetlighting Inspector, City of Mississauga – Coordinated daily logistics for installations crews and supervised their progress. Tested, diagnosed and reprogrammed LED fixtures and Streetlight Monitoring System (SMS) as needed. Prepared data for placement into software database and maintained a hard copy database.

- Minimized costs by creating an accurate database of 52,000+ streetlights to be replaced by appropriate LED fixtures.
- Further reduced future maintenance costs by providing immediate maintenance during fixture replacement.
- Improved manufacturing and installation processes by contractors by providing observations from maintenance outings.

Apr 2012 – Oct 2012: Technical Services Assistant, City of Mississauga – Performed storm sewer locate requests. Wrote reports for completed locate requests. Maintained locate database. Ensured correct material quantities were delivered to job sites. Provided measurements to site inspectors. Informed residents about impending construction issues.

- Prevented damage to stormsewers by the Union Pearson Express Air Rail Link Project during site inspections.
- Facilitated administration and senior inspectors through switch to electronic tracking of 1200+ requests per year.

Jan 2010 – Sep 2010: Academic Coordinator, University of Toronto – Planned, executed and supervised month-long program (DEEP Summer Academy) for the Engineering Outreach Office. Coordinated materials, equipment, safety, scheduling and logistics. Evaluated Requests for Proposals. Provided feedback with weekly updates and final post-event report.

- Taught 750 domestic and international students by hiring, training and supporting 38 Master's and PhD student instructors.
- Obtained access to needed laboratories, materials and equipment through shrewd diplomacy with 10 university departments.

May 2007 – Aug 2007: Student Estimator, Aecon Construction and Materials Ltd. – Performed material takeoffs. Designed and drafted formwork on AutoCAD. Observed noise levels, site equipment and water quality at job sites.

- Saved on cost of 200 tonnes of soil through calculations of excavated soil quantity at highway bridge site.
- Enabled company to bid on a newly available \$4 million bridge project by completing a material takeoff on the same day.

May 2006 – Aug 2006: Junior Designer, Ministry of Transportation of Ontario – Carried out a literature review on road sealers. Added field data to bridge drawings in AutoCAD. Tested concrete samples. Took part in bridge inspections.

- Minimized time needed to analyze bridge repairs by creating a new database to compare new and weathered bridges.

May 2005 – Aug 2005: Student Engineer, McCormick Rankin Corporation – Conducted condition surveys on bridges to determine structural integrity. Edited road and highway drawings. Aided senior engineers with field and site visits.

- Determined areas of remediation for city noise walls by creating a database based on collected field data.

Other Experience and Qualifications

- Nov 2008 – Nov 2017: Lecturer and Seminar Leader, Engineering Strategies & Practices Course, University of Toronto
- Aug 2002 – Present: Karate Instructor, 3rd Dan, City of Mississauga Recreation & Parks

BASc Civil Engineering, University of Toronto, 2009, Collaborative Option in Environmental Engineering