

VATSAL PATEL

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PROFILE

- Skilled with AutoCAD 2016, Primavera 2016, Plan swift through authorized training center
- Hands on academic experience in working with Bluebeam, Vissim, HCS 2000, Synchro, Inroads during graduate studies
- Extensive experience in Construction Management and Transportation Engineering through team work
- Strong communication skills developed through marketing experience
- Proficient in Microsoft Word, Excel and PowerPoint
- Experienced in preparing various tenders, Quantities of civil Engineering works and outcomes of lab reports
- Outstanding management skills from leadership role in Make a wish foundation

EDUCATION

Master of Civil Engineering

December 2017

University of Windsor, Windsor, Ontario, Canada

Bachelor of Technology, Civil Engineering

July 2015

Pandit Deendayal Petroleum University, Gandhinagar, India

WORK EXPERIENCE

Internship-Junior Engineer

April 2016-July 2016

LEA Associates South-Asia Pvt.Ltd. Gandhinagar, India

- Created AutoCAD drawings from concept to final design, drawn to scale, suitably detailed to convey the necessary information required for further approval before construction
- Analyzed data to determine the geometric design standards to be used and assisting in the development of the design criteria standards.
- Estimated highway cross-section along with quantities, design of pavement and analyzed the required survey prior to highway construction
- Prepared the horizontal and vertical alignment of Highway along with describing technical details of individual element in Inroads

Site Engineer

July 2015-October 2015

AUM Infrastructure Pvt.Ltd, Pune, India

- Planned diaphragm wall construction, reviewed blueprints and prepared bar bending schedule, prepared daily progress reports
- Conducted site supervisor duties by supervising day to day operations, quality control, and ensure tasks are completed within project budget
- Obtained bids from vendors and subcontractors by specifying materials; identifying qualified subcontractors
- Effectively communicated progress updates with client and contractor throughout the duration of the project
- Performed quantity and material take-offs; Prepared Tender Closing Spreadsheet
- Managed and prepared for closing of lump sum bids; identified scope of works based on drawings, specification and addenda

Site Engineer-Trainee

May 2014-July 2014

IRB Infrastructure Pvt.Ltd, Ahmedabad, India

- Tested soil, concrete, aggregate, bitumen, working of Ready Mix Concrete Plant, Wet Mix Mixture Plant and prepared the daily lab reports based on the results
- Supervised the substructure and superstructure construction of retaining earth work wall (Fly Over) along with seeing the construction methodologies
- Observed the construction of flexible pavement and learned about technical properties of the materials used in highway and minor bridge (Skew Structure) construction
- Inspected the working of Total station and prepared site layout plan before construction of pile foundation and its installation in trench

ACADEMIC PROJECTS

Consulting of Design of Waster water treatment facility

May-2017

University of Windsor, Ontario, Canada

- Defined scope of work along with providing the consultant service for design and engineering
- Proposed consultant service for contract administration and inspection along with how to choose the best feasible solution pertaining to engineering design
- Outlined the geotechnical quality assurance program for geotechnical subconsultant and scheduled each activities in Microsoft Project as per proper hierarchy.
- Learned the procedure for the request for information, submittals, Change orders, Daily report (sage 100 contract software)

ITS Solution to Problem of Gridlocks in Downtown Toronto

January 2017

University of Windsor, Ontario, Canada

- Analysed the problems about possible factors for the congestion at the intersection with help of surveys
- Provided the solution of Automated Parking system collaborating it with the smart phone, enhanced the area of walkability by installing moving walkways
- Cost Analysis of Automated Parking system and moving walkways, determined the impact of intersection level of service at the intersection, Designed Traffic signal of the Spadina-Gardiner intersection using HCS 2000.

OTHER EXPERIENCES

- Worked as an Lancer recreational health promotional assistant in University of Windsor **October -December 2017**

CERTIFICATIONS AND PROFESSIONAL DEVELOPMENT

- Attended Bridge Designing and Fabrication Workshop, GIS workshop **July 2014**
 - Repair, restoration and rehabilitation of concrete structures workshop **May 2013**
 - Volunteer as a student in traffic surveys for SOLA THALTEJ road section **July 2012**
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