**AMANDEEP SINGH EIT**

M.Eng., Construction Management

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**OBJECTIVE:**

Performance driven & ambitious Junior Civil Engineer seeking a responsible position as Project Coordinator/Field Engineer, Technician, Civil Engineer or related fields in environment, construction/project management, planning, scheduling, and design, highway infrastructure where I can utilize my professional and educational experience.

**PROFILE:**

* Six months of **Project Coordinator/Estimator** experience which includes pre-tender site visits, tendering, materials & labor quantities takeoff, cost estimation, bid preparation, project design, planning, scheduling, budgeting/cost control, procurement, construction processes and site monitoring/ survey/ contract management etc.
* 6 months of experience in **field inspection, soil, concrete, asphalt sampling, testing,** coordination and engineering analysis of heavy civil construction and municipal **(water main, wastewater, sewer, roads)** infrastructure projects.
* Keen interest towards field engineering, project coordination, inspection, QA/QC, design of public infrastructure and municipal development projects.
* 1 year of experience as a **Junior Engineer** in **steel connection designing** as per AISC and CISD manuals, **modeling** and **detailing steel structures** by using SDS/2.
* Graduated in Master of Civil Engineering from Concordia Uni., Montreal with an outstanding **CGPA of 3.96 / 4.3.**
* Proficiency in MS office, MS project, AutoCAD Civil 3D, CADD, Revit, MicroStation, heavy bid and Bid2win.

**WORK EXPERIENCE:**

**Junior Civil Engineer/Steel Detailer (Jitech Associates, Montreal)** May 2017 - Present

* Calculate structural loads, design steel connections, weld and bolt types and sizes as per to AISC and CISD standards.
* Design **structural steel model** from Architectural, structural & Civil drawings then markup detail drawings of various assemblies of the structure i.e. stairs, beams, columns, braces, sag rods, anchor bolts, gratings, girts etc.for projects on the fields of metallurgy, materials handling, bridges, oil and gas industry and mining, as well as bridges.
* Prepare erection drawings for anchor plan, framing & roof plans, girt lines, stairs, miscellaneous etc.
* Assist Project Coordinator to prepare **RFI, ABM, ECN and ROA** and upload all documents on Bluebeam.
* Prepare a transmittal package which includes **CNC, DXF, KISS, and EJE** files, gather, detail and erection sheets etc.
* Answer client’s questions related to drawing markups and connections.

**Field Inspector (Orbit Engineering Limited, Brampton ON, Canada)** Nov 2016 to April 2017

* **Geotechnical site investigation,** site sampling of materials, analysis, field and laboratory testing of materials (SPT, compaction, proctor density, sieve analysis etc.)
* Field inspection, Quality assurance and quality control of construction activities, materials and for full compliance with technical standards, codes, methods and specifications.
* On-site inspection, monitoring and coordination of projects involved Municipal infrastructure Regional transmission **(Halton Region S-2977A VOL-1, 2, 4, 5)** (water main & sewer on fifth line north of Derry road, pumping station at Britannia and Thompson, overflow outlet at Britannia road, asphalt, base, subbase, subgrade on fifth line b/w Derry and Britannia, proof rolling on fifth line, asphalt on James snow pkwy, concrete testing at shafts benching & valve chambers) and **MTO** construction works **(Desjardin Canal bridge work, Burlington skyway bridge condition assessment/ highway 403)**
* Inspection of road works (asphalt, sidewalk concrete, base, sub-base) at **City of Cambridge** and foundation work for extension of **Earl bales** community center and **2800 Bloor street.**
* Reviewing design codes, plans, specifications and drawings to assure fulfillment of site jobs in accordance with specified procedures, codes and technical standards.
* Preparing site visit technical & quality reports on daily and weekly basis, site progress monitoring, overall detail reporting, engineering analysis, computation of data and review of test results.

**Project Coordinator/Estimator (Canada Paving, Ottawa)** May 2016 to Oct 2016

* Study the blueprints, drawings, specifications, and addendums to calculate detailed quantities by using Pro-Est and Plan Swift software, from **quantity take-off**, prepare final **detailed estimate** considering every possible aspect.
* Schedule projects by using MS Project and Primavera P6, request for tenders, RFI, RFP, and other essential documents.
* Conduct **field survey** by using "Laser Level" to check the level of Granular "B" and the ground slope.
* Collect, organize and record measurements, maintain **site benchmarks** and perform quality control for survey work.
* Perform construction **lay out and quantity surveys**, create grade sheets and as-built construction reports.
* Attend meetings; communicate with clients, engineers, consultants, city officials and staff.
* Study various Ontario construction codes; **OTM, OBC, CCDC 2, CCA 1, HCM** etc.
* Study tender document, prepare quotes, bid submissions and follow ups.
* Request locates, provide on call estimates, manage project files, track project progress and costs.
* Issue LOI, PO, and prepare substantial completion and other project close out documents.

## Civil Engineer Internship (PWD, Punjab, India) July 2013 to Dec 2013

**Project** – Construction of the court building (Ludhiana, Punjab)

* Roles and responsibilities assigned as to study engineering plans, **geotechnical site investigation reports**, provincial building design codes, technical standards & specifications, assist in cost estimation, budgeting, scheduling, site progress reporting, site testing and contract management.
* **Monitored site work progress** as per scheduled work orders and prepared reports using MS project to be used for presentation at senior management project meetings. Worked with AutoCAD Civil 3D, estimation tools and project management software's like smart sheet.
* Supervise the **borehole drilling,** **piling process**, record the data of various on-site tests and **prepare BBS.**
* Supervise the whole superstructure including scaffolding, shuttering, reinforcement, concreting, casting of beams, columns, parameters, stairs etc.

**Survey Camp (GNE College, Himachal Pradesh, India)** May 2012 to August 2012

* Learned how to use surveying equipment such as; Total Station, GPS, Laser Level, Point Table, Theodolite, Chain Surveying, Compass etc.
* Trained about numerous software; AutoCAD, MicroStation, Leica, InRoads, Autodesk Revit, Civil 3D, Navisworks etc.
* Have done **contouring**, prepare topography maps, mark land boundaries, prepare and study CAD drawings.
* **Set the RLs, shift points**, measure horizontal and vertical distances, quantify cutting and filling, mark offsets etc.

**Geotechnical Training (Jalandhar, India)** Various Geotechnical SitesMay 2011 to July 2011

* Conduct **site investigations**, supervise drilling and test pits, collect disturbed and undisturbed samples, water sampling, maintain log book, recommendations being proposed after analyzing field data.
* Perform various tests in field and laboratory to check the **shear strength, compressive strength, consolidation, permeability, soil index and moisture/density of soil, concrete and bitumen.**
* Interpret ground conditions and understand their impact on design, stability and construction.
* Assist Senior Geotechnical Engineer to prepare **proposals and detailed geotechnical reports**.
* Monitor construction processes including cutting and filling, subgrade inspections, soil compaction, test setups **(SPT, standpipes, inclinometers and piezometers) etc.**

**Civil Engineer Trainee (Gammon India)** June 2010 to July 2010

**Project** – Rail over bridge (Punjab, India)

* Studied foundation and reinforcement drawings related to **piers, abutments and bridge slab**.
* Responsible for doing **slump and cube tests** of concrete.
* S**upervise** all the construction processes include piling, casting and construction of side walls, wire mesh for strengthening soil and holding side walls, grading, compaction, slab reinforcement, concrete pumping etc.

## EDUCATIONAL QUALIFICATION:

**Master of Construction Management** -Concordia University, Montreal, Quebec (Canada)Sept 2014 to May2016

**Bachelor of Civil Engineering with Distinction** - GNDEC, Punjab, India Aug 2011 to May 2014

**Diploma in Civil Engineering with Honor** - MCPC, Punjab, India Aug 2008 to May 2011

**TOOLS & SKILLS:**

Highly proficient in using following software packages:

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| * MS office Tools: MS Excel, MS Outlook, MS Project, MS Word, and MS Access, MS PowerPoint * LEED v4, Revit, AutoCAD, Civil3D, Navisworks * Bid2Win, Heavy Bid, Bluebeam Revu 2017 * Plan Swift, Pro-Est, Primavera P6 * Advance critical thinking | * Passionate, Dedicated, Self-Motivated * Multi-tasking abilities, Team Player * Management, Planning, Organizing skills * Strong Mathematics and analytical skills. * Detail Oriented and Strong decision maker * Leadership and problem-solving abilities |

## AWARDS & ACHIEVEMENTS

* EIT (Engineer in Training).
* Honored by Golden Key International Society Award for outstanding 3.96 GPA out of 4.3.
* SDS/2 training Certificate from Design Data.
* AISC & NISD authorized Steel Detailing Certificate.
* Online site safety course.
* Student member of American Society of Civil Engineers.
* Received multiple bursaries in Bachelor of Engineering & M.Eng. on merit basis.
* Complete all studies with Honors.