

ROSS HORROCKS MCIHT MIHE MIED

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SUMMARY

Civil Highways & Infrastructure Technician with 5 years in the transportation sector with a special focus on Civil Engineering design and construction & Estimating.

SKILLS

- Municipal design
- Drafting
- Design instruction creation
- Excellent communication skills
- Permit applications and laws
- Superior time management
- Site layout
- Microsoft Excel, Project and Visio
- Auto Desk Inventor
- Highly skilled in AutoCAD 2D
- Strong leader
- Detail drawings
- Drainage design
- SAP
- Commercial and residential planning
- [Eng Tech](#) civil engineering license
- Key signs & Lines
- Signplot
- Knowledgeable in construction safety
- General contracting professional
- Subcontractor management
- First Aid and CPR Certified
- Strong interpersonal skills
- Design experience
- Project scheduling
- Project planning and development
- Negotiations expert
- Logistics management
- Strategic planning
- Procedure development
- Inventory control
- Team building
- Analytical
- Personable
- Dependable
- Human resources management
- Finance and accounting
- Employee relations
- Expense reports
- Advanced problem solving
- Contract review and recommendations
- Flexible
- Dedicated team player

WORK HISTORY

Senior Technician

WYG - Manchester, Manchester Central

11/2018 - 02/2019

- Analysed survey reports, maps, blueprints and other topographical and geologic data to effectively plan projects.
- Estimated quantities and cost of materials, equipment and labour to determine project feasibility.
- Reviewed calculations and analytical data to maintain accuracy of the technical reports.
- Facilitated construction by mapping out installations and establishing reference points, grades and elevations.
- Completed complex technical surveys for the development of roadway, intersection and bridge construction plans.
- Advised managerial staff about design, construction and programme modifications.
- Inspected project sites to monitor progress and adherence to design specifications, safety protocols and state sanitation standards.
- Visited project sites during construction to monitor progress and consult with contractors and on-site engineers.
- Developed low impact transportation, grading and storm water design strategies for sustainable infrastructure projects.
- Created design layouts and part drawings using orthographic 3rd angle projection.
- Created layout drawings using AutoCAD 2018 and SolidWorks 2005 technology.
- Provided drafting support to a civil engineering staff.
- Performed detailed calculations to establish manufacturing, construction, and installation standards and specifications, maintaining 100% accuracy rate.
- carried out works on all phases of Section 278 works
- carried out works on all phases of Section 38 works

Highways & Infrastructure Design Technician

Royal HaskoningDHV - Manchester, Lancashire

10/2017 - 10/2018

- Estimated quantities and cost of materials, equipment and labour to determine project feasibility.
- Visited project sites during construction to monitor progress and consult with contractors and on-site engineers.
- Facilitated construction by mapping out installations and establishing reference points, grades and elevations.
- Served as lead project engineer and manager on highway projects.
- Inspected project sites to monitor progress and adherence to design specifications, safety protocols and state sanitation standards.
- Completed complex technical surveys for the development of roadway, intersection and bridge construction plans.
- Reviewed calculations and analytical data to maintain accuracy of the technical reports.
- Analysed survey reports, maps, blueprints and other topographical and geologic data to effectively plan projects.
- Advised managerial staff about design, construction and programme modifications.
- Conducted traffic volume counts and compiled traffic accident data to improve road safety and overall efficiency.
- Reviewed and assisted in performing technical bid analysis.
- Provided drafting support to a civil engineering staff.
- Interpreted drawing mark-ups and implemented drawing revisions provided by engineers.
- Planned infrastructure routes accounting for company policies, space availability and equipment constraints.
- Provided CAD work for design of all civil, mechanical, and electrical instrumentation and controls for installation of three gas-drive reciprocation engine compression units.
- Played key role in designing 278 / 38 agreements that resulted in project approval.

Engineering Technician

Civil and structural Technician working on infrastructure projects across the UK.

- Completed complex technical surveys for the development of roadway, intersection and bridge construction plans.
- Conducted traffic volume counts and compiled traffic accident data to improve road safety and overall efficiency.
- Estimated quantities and cost of materials, equipment and labour to determine project feasibility.
- Analysed survey reports, maps, blueprints and other topographical and geologic data to effectively plan projects.
- Facilitated construction by mapping out installations and establishing reference points, grades and elevations.
- Advised managerial staff about design, construction and programme modifications.
- Reviewed calculations and analytical data to maintain accuracy of the technical reports.

Junior Technician - Highway Design

Unity Partnership - Oldham, Greater Manchester

05/2015 - 09/2017

- Inspected project sites to monitor progress and adherence to design specifications, safety protocols and state sanitation standards.
- Served as lead project engineer and manager on 6 highway projects.
- Estimated quantities and cost of materials, equipment and labour to determine project feasibility.
- Analysed survey reports, maps, blueprints and other topographical and geologic data to effectively plan projects.
- Facilitated construction by mapping out installations and establishing reference points, grades and elevations.
- Visited project sites during construction to monitor progress and consult with contractors and on-site engineers.
- Advised managerial staff about design, construction and programme modifications.
- Reviewed calculations and analytical data to maintain accuracy of the technical reports.
- Reviewed and assisted in performing technical bid analysis.
- Prepared technical drawings & designs, documents & also use specialist software (AutoCAD 2D/3D, Autotrack, Bentley) in accordance with design systems and procedures.
- Managed the delivery of Small Civil Engineering projects & programme of works.
- Supported other team Members within their Scheme duties.
- complied with the Health & Safety Executive regulations & all other company policies & procedures.
- collaborated well within a team & worked closely with other colleagues and became an asset to the design & delivery team.
- Co-ordinated with other engineering teams.
- taken up ownership of my own career development within Unity Partnership using the provided career builder and appraisal processes & undertook different forms of additional learning.

Planner & Co-Ordinator

XCAV8 - Oldham

02/2014 - 02/2015

- Submit permit applications within the Symology system.
- Maintain a high level working programme within the engineering gangs.
- abide to Chapter 8 Traffic Management design within all forms of schemes.
- Inspected project sites to monitor progress and adherence to design specifications, safety protocols and state sanitation standards.
- Completed complex technical surveys for the development of roadway, intersection and bridge construction plans.
- Estimated quantities and cost of materials, equipment and labour to determine project feasibility.
- Analysed survey reports, maps, blueprints and other topographical and geologic data to effectively plan

projects.

- Facilitated construction by mapping out installations and establishing reference points, grades and elevations.
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- Advised managerial staff about design, construction and programme modifications.
- Reviewed calculations and analytical data to maintain accuracy of the technical reports.

EDUCATION

Business & Technology Education Council - Level 2: Business Management & Administration

Oldham College - Oldham Town Centre, Greater Manchester

2016

- coursework in Business, Management and Communications
- coursework in Software Engineering

Business & Technology Education Council - Level 3: Civil Engineering & Construction In The Built Environment

Salford City College - Salford, Manchester

2018

- Sustainable Infrastructure coursework
- Advanced AutoCAD courses
- Structural mechanics advanced coursework
- Soil mechanics training
- coursework in Project Management, Construction Management, and Accounting
- Continuing Education in construction in the built environment.
- Industrial Design coursework

EngTech: Civil Engineering

Institution Of Civil Engineers - Manchester

Current