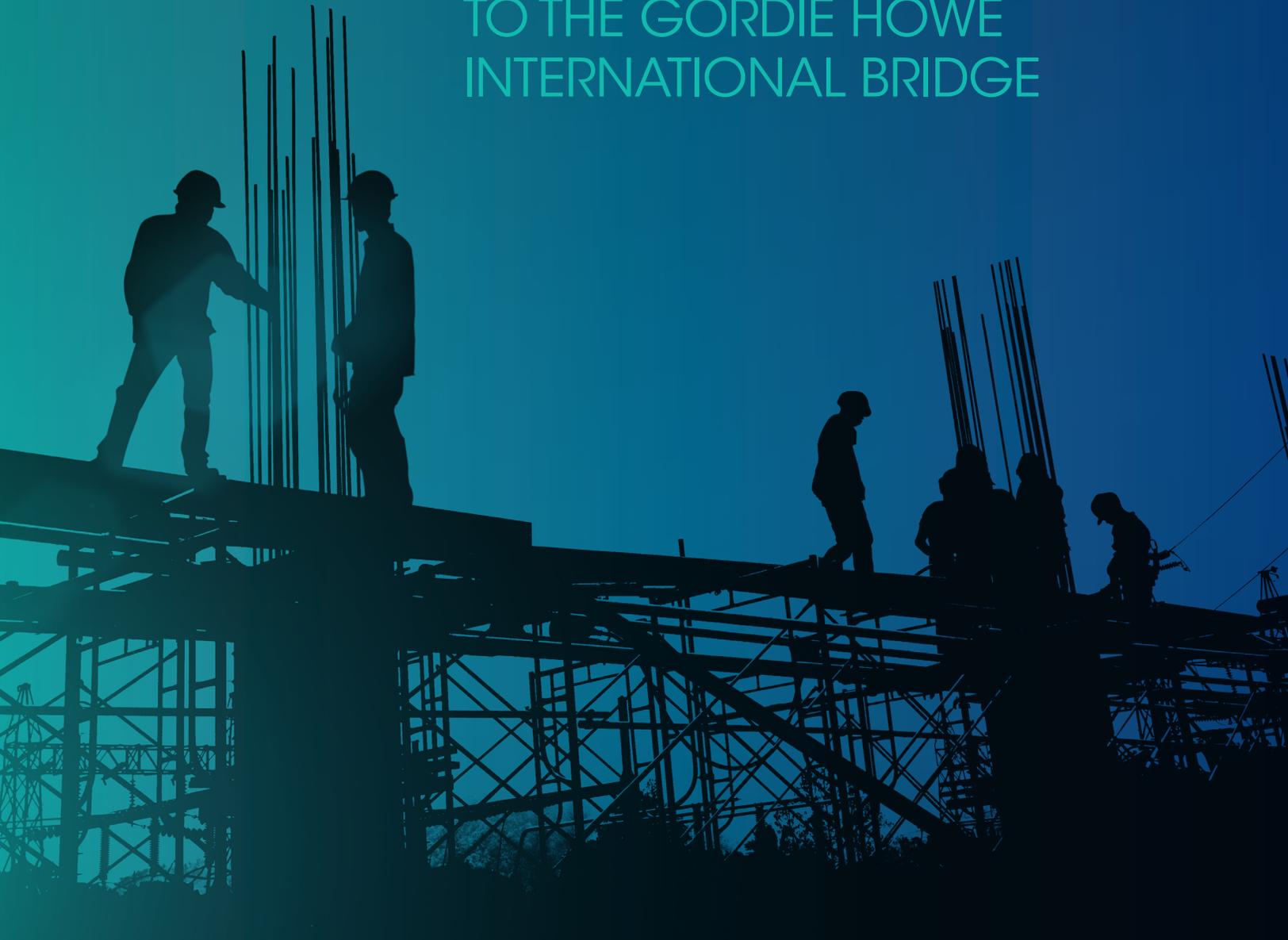


BRIDGING OUR WORKFORCE:

A GUIDE TO JOBS RELATED
TO THE GORDIE HOWE
INTERNATIONAL BRIDGE



Explore jobs within the construction, operation and maintenance, and induced employment of the **Gordie Howe International Bridge Project**

workforce
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YOUR LOCAL EMPLOYMENT PLANNING COUNCIL

www.workforcewindsor.essex.com



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HOW DID WE DO?

We invite your feedback on all publications produced by Workforce WindsorEssex.

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ABOUT

Workforce WindsorEssex is a workforce and community development board. Our mandate is to plan, facilitate and advocate for regional workforce development, defined as the development, retention, and recruitment of a wide range of skilled workers to meet the current and future economic and social development needs of Windsor-Essex.

We are an experienced leader in the development of regional labour market tools, research and guides that save others time, money and effort. These resources, created in close coordination with employment, education and industry partners, are designed to help job seekers, employers, students & educators, as well as the community make more informed labour market decisions using locally responsive, data-rich and unbiased resources.

Resources for Jobseekers



WEjobs

Submit your resume to our database
Sign up for job posting emails



WEsearch

Connect with local programs and services
Learn about apprenticeships and training



WEexplore

Find up-to-date job postings by profession
Discover career paths, profiles and blogs



WEmap

Explore jobs and services around the region

Resources for Community



WEdata

Request local statistics
Access local labour market information



WEsearch

Find local programs for businesses, students
and job seekers



WEexplore

Find information on in-demand jobs
Discover career paths, profiles and blogs



WEjobs

Learn more about job postings, volunteer
opportunities and local training



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BRIDGING OUR WORKFORCE:

ABOUT THIS GUIDE

This guide is meant to assist those who are interested in gaining employment directly with or related to the Gordie Howe International Bridge project. The guide contains lists of projected jobs tied to different phases of the bridge project, including the construction phase, operation and maintenance phase, and potential induced spin-off jobs. Readers can use the projected occupations provided in this guide to give them a better understanding of the types of jobs that will be needed for the Gordie Howe International Bridge project.

The **Gordie Howe International Bridge** is a major infrastructure project that will offer another connection between Detroit and Windsor across the Detroit River. This is a multi billion-dollar project, with multiple phases planned for construction, maintenance, and operation of the bridge. With such a large infrastructure project happening locally in both Windsor-Essex and Detroit, it will create employment opportunities for both regions. It has been reported that the construction will result in the creation of 2,500 jobs on both sides of the border.

In 2017, Workforce WindsorEssex responded to this opportunity by developing its Help Bridge Your City project, which included a projected list of in-demand jobs for the construction phase of the Gordie Howe International Bridge project. In 2019, this guide, as part of our Bridging Our Workforce project, continues to build on the 2017 project by informing the public on how they can apply for bridge-related jobs and by expanding the initial list of potential occupations that will be required for all phases of the bridge project. These project phases include construction, operation and maintenance, as well as the induced spin-off jobs that will potentially be created in the project's surrounding communities.

Each employment opportunity listed in this guide will include the median hourly wage, National Occupation Classification (NOC) code, and a short description of each occupation. More in-depth career profiles are available online at www.workforcewindsorsex.com/weexplore/. These career profiles provide more extensive information about each job posting, such as: commonly listed skills in job postings; job duties; working conditions; potential career pathways; available, local training availability; and whether or not the job is apprenticeable.

EXPECTED COMMUNITY BENEFITS

- Helping students and/or parents identify educational paths for potential future careers
- Supporting individuals to explore employment opportunities to escape unemployment (including those not participating in the labour force), underemployed, or unfulfilled in their current employment situation
- Informing individuals/families considering moving to the area
- Facilitating a discussion amongst key stakeholders on preparedness for fulfilling these jobs in a timely and effective manner



■ **ABOUT THE GORDIE HOWE INTERNATIONAL BRIDGE PROJECT**

The Gordie Howe International Bridge project is a once-in-a-generation undertaking. Not only will the project deliver much needed transportation improvements for the movement of international trade and travelers, it will also provide jobs and opportunities for growth to the Windsor-Detroit region.

The project includes a new bridge between Windsor, Ontario and Detroit, Michigan, ports of entry of both sides of the border and the reconfiguration of a portion of Interstate-75 in Michigan to provide new connecting ramps to the US Port of Entry. Each of these components are significant in themselves. Together they comprise what is the largest ongoing infrastructure project along the Canada-US border and one of the largest ongoing projects anywhere in North America.

The \$5.7 billion project is being delivered through a public-private partnership. On September 28, 2018, Windsor-Detroit Bridge Authority (WDBA) announced the selection of Bridging North America (BNA) as its private-sector partner. BNA represents a team of Canadian, American, and international firms with local experience and knowledge, world-class transportation expertise, and a proven ability to deliver bridge, facility and highway infrastructure projects.

As such, BNA is responsible to design, build, finance, operate, and maintain the Canadian and US Ports of Entry and the bridge and to design, build, and finance the Michigan Interchange. The State of Michigan will be responsible for the operations and maintenance of the Michigan Interchange.



METHODOLOGY FOR JOB IDENTIFICATION

In the following sections of this guide, Workforce WindsorEssex has identified potential employment opportunities on the Gordie Howe International Bridge project. These potential employment opportunities are identified for the following phases of the bridge project:

- Construction
- Operation & Maintenance **and**
- Induced employment opportunities

Methodology for Identification of Construction Phase and Operation and Maintenance Phase Opportunities:

Workforce WindsorEssex used a combination of methodologies in order to identify the potential employment opportunities that will be required for the construction and operation and maintenance phases. Consultations were held with the Bridging North America consortium, local unions, community stakeholders, and border services organizations. Research on comparable major infrastructure projects was also completed. Workforce WindsorEssex has also been sharing job postings from the BNA consortium at www.workforcewindsor.essex.com/bridge-jobs.

Methodology for Identification of Induced Employment Opportunities:

Official estimates of the workforce required to complete the Gordie Howe International Bridge project have expressed the need for 2,500 workers. These workers will be required throughout different stages of the bridge project, including the construction phase and operation and maintenance phase. The BNA consortium is currently on a contract that outlines their responsibility for the construction of the bridge, as well as its operation and maintenance for a 30-year period after construction is complete.

As a result of this 30+ year project, both the Windsor-Essex and Detroit regions can expect to see growth in employment in a range of different sectors. Jobs are expected to be created in a range of sectors due to the increased workforce population that will be added in the region. Workforce WindsorEssex used a combination of consultations and workforce projections to predict the induced jobs that will be created as a result of the bridge project. **Induced jobs** represent the jobs that will potentially be created by the economic activity of the new bridge workforce in its surrounding area. This is not the same as indirect job creation, which is defined as jobs potentially created by purchases made by construction, operation, or maintenance companies involved in the bridge project, such as supply chain spending.

In addition to consultations with local stakeholders, Workforce WindsorEssex used a statistical projection tool, EMSI Analyst, to determine indirect and induced employment opportunities. This Canadian statistical analysis tool projects labour market data in different labour market scenarios using Statistics Canada data. The tool provides an input-output scenario, which allows the user to view the number of indirect and induced jobs that will be created in the surrounding region, when a specific amount of workers is added to a project.

PROJECTED CONSTRUCTION PHASE JOBS

THIS SECTION FEATURES A LIST OF PROJECTED CONSTRUCTION JOBS THAT COULD BE EMPLOYED OR CONTRACTED BY BRIDGING NORTH AMERICA, WINDSOR-DETROIT BRIDGE AUTHORITY, AND OTHER CONTRACTED COMPANIES OR ORGANIZATIONS.*

■ NOC Codes are an official, national reference used by Statistics Canada to sort occupations by skill level and skill type.

ADMINISTRATIVE OCCUPATIONS

ACCOUNTANT/COST CONTROLLER

NOC: 1111

WAGE: \$33.46/HR

Accountants plan, organize, and administer accounting systems for individuals and establishments. They are employed by private sector accounting and auditing firms or departments and public sector accounting and auditing departments or units, or they may be self-employed.

ACCOUNTING CLERK

NOC: 1431

WAGE: \$20.51 /HR

Accounting clerks calculate, prepare and process bills, invoices, accounts payable and receivable, budgets, and other financial records according to established procedures. They are employed throughout the private and public sectors.

ADMINISTRATIVE ASSISTANT

NOC: 1241

WAGE: \$22.38/HR

Administrative assistants perform a variety of administrative duties in support of managerial and professional employers. They are employed throughout the private and public sectors.

ADMINISTRATIVE OFFICER

NOC: 1221

WAGE: \$21.81 /HR

Administrative officers oversee and implement administrative procedures, establish work priorities, conduct analyses of administrative operations, and co-ordinate acquisition of administrative services such as office space, supplies and security services.

*Hourly wages are estimates only.



CONSTRUCTION PHASE



COMMUNICATIONS MANAGER

NOC: 0124

WAGE: \$38.82/HR

Communications managers plan, organize, direct, control, and evaluate the activities of establishments and departments involved in commercial, industrial and e-business advertising, marketing, and public relations. They are employed by commercial and industrial establishments, government departments, and advertising, marketing, and public relations firms or consulting businesses.

COMMUNICATIONS SPECIALIST

NOC: 1123

WAGE: \$27.27/HR

Communications specialists specialize in advertising, marketing, and public relations who analyse, develop and implement communication and promotion strategies and information programs, analyse advertising needs and develop appropriate advertising and marketing plans, publicize activities and events, and maintain media relations on behalf of businesses, governments, and other organizations.

COMMUNITY BENEFITS CO-ORDINATOR

NOC: 1121

WAGE: \$34.48/HR

The community benefits co-ordinator will be responsible for ensuring that the Windsor-Detroit Bridge Authority's community benefits plan is developed and implemented well during the bridge project. They will be responsible for the development of specific policies and procedures that will be outcomes of the community benefits agreement.

CONTRACT CLERK

NOC: 1452

WAGE: \$21.76/HR

Contract clerks write correspondence, proofread material for accuracy, compile material for publication, verify, record and process forms and documents, such as applications, licences, permits, contracts, registrations and requisitions, and perform other related clerical duties in accordance with established procedures, guidelines and schedules.

CONTRACT MANAGER

NOC: 0113

WAGE: \$39.65/HR

Contract managers plan, organize, direct, control, and evaluate the activities of a purchasing department and develop and implement the purchasing policies of a business or institution. They are employed throughout the public and private sectors.

CUSTOMER SERVICE REPRESENTATIVE

NOC: 6552

WAGE: \$15.13/HR

Customer service representatives answer inquiries and provide information regarding an establishment's services and policies. They also provide customer services such as receiving payments and processing requests for services.

CONSTRUCTION PHASE

DOCUMENT AND DATA MANAGEMENT

NOC: 1253

WAGE: \$24.44/HR

Document and data managers operate and maintain systems for the collection, classification, retrieval, and retention of documents and other information. They are employed throughout the private and public sectors.

HUMAN RESOURCES ADMINISTRATOR

NOC: 0112

WAGE: \$40.86/HR

Human resources administrators plan, organize, direct, control, and evaluate the operations of human resources and personnel departments, and develop and implement policies, programs and procedures regarding human resource planning, recruitment, collective bargaining, training and development, occupation classification, and pay and benefit administration. They represent management and participate actively on various joint committees to maintain ongoing relations between management and employees. Human resources managers are employed throughout the private and public sectors.

HUMAN RESOURCES GENERALIST

NOC: 1121

WAGE: \$34.48/HR

Human resources generalists develop, implement, and evaluate human resources and labour relations policies, programs and procedures, and advise employers and employees on human resources matters. They are employed throughout the private and public sectors, or they may be self-employed.

INFORMATION TECHNOLOGY CO-ORDINATOR

NOC: 0213

WAGE: \$48.77/HR

Information technology (IT) co-ordinators plan, organize, direct, control, and evaluate the activities of organizations that analyze, design, develop, implement, operate, and administer computer and telecommunications software, networks, and information systems. They are employed throughout the public and private sectors.

INFORMATION TECHNOLOGY PROFESSIONAL

NOC: 2171

WAGE: \$36.73/HR

Information technology (IT) professionals plan, deliver, and maintain the information technology infrastructure services that support an organization's ability to function.

LEGAL ASSISTANT

NOC: 1242

WAGE: \$23.55/HR

Legal assistants prepare and key in correspondence and legal documents, such as deeds, wills, affidavits and briefs, from handwritten copy, shorthand and machine dictation using computers, as well as review and proofread documents and correspondence to ensure compliance with legal procedures and grammatical usage.

CONSTRUCTION PHASE

LEGAL MANAGER

NOC: 0114

WAGE: \$35.27/HR

Legal managers plan, organize, direct, control, and evaluate departments responsible for legal governance and regulatory compliance.

PAYROLL SUPERVISOR

NOC: 1212

WAGE: \$24.05/HR

Payroll supervisors supervise and co-ordinate the activities of workers in a payroll department.

PROCUREMENT AGENT/OFFICER

NOC: 1225

WAGE: \$26.98/HR

Procurement agents and officers purchase general and specialized equipment, materials, land, or access rights and business services for use or for further processing by their establishment. They are employed throughout the public and private sectors.

PROCUREMENT MANAGER

NOC: 0113

WAGE: \$39.65/HR

Procurement managers plan, organize, direct, control, and evaluate the activities of a purchasing department and develop and implement the purchasing policies of a business or institution. They are employed throughout the public and private sectors.

RECEPTIONIST

NOC: 1414

WAGE: \$16.15/HR

Receptionists greet people arriving at offices, hospitals and other establishments, direct visitors to appropriate person or service, answer and forward telephone calls, take messages, schedule appointments, and perform other clerical duties. They are employed by hospitals, medical and dental offices, and throughout the public and private sectors.

SECURITY MANAGER/CO-ORDINATOR

NOC: 0114

WAGE: \$35.27/HR

Security managers plan, organize, direct, control, and evaluate departments responsible for security services. They are employed throughout the public and private sector.

SECURITY GUARD

NOC: 6541

WAGE: \$14.00/HR*

*Wages are provided as of 2017, those that had wages below the increased minimum wage were noted as \$14.00

Security guards are employed to protect property against theft, vandalism and fire, control access to establishments, maintain order and enforce regulations at public events and within establishments, conduct private investigations for clients or employers, and provide other protective services not elsewhere classified.



CONSTRUCTION PHASE

CONSTRUCTION OCCUPATIONS

BRICKLAYER

NOC: 7281

WAGE: \$32.58/HR

Bricklayers lay bricks, concrete blocks, stone and other similar materials to construct or repair walls, arches, and other structures in accordance with blueprints and specifications. They are employed by construction companies and bricklaying contractors or they may be self-employed.

BUILDING TECHNICIAN

NOC: 2251

WAGE: \$18.79/HR

Building technicians may work independently or provide technical assistance to professional architects and civil design engineers in conducting research, preparing drawings, architectural models, specifications and contracts, and in supervising construction projects.

CAD DESIGNER

NOC: 2233

WAGE: \$25.31/HR

CAD designers use computers to generate sketches of complex undertakings. Using these designs, they can help establish timelines, budgets, and assist many different departments in making vital decisions about major projects.

CAD DRAFTER

NOC: 2253

WAGE: \$21.75/HR

CAD drafters prepare technical drawings and plans, which are used by production and construction workers to build everything from microchips to skyscrapers.

Drafters' drawings provide visual guidelines and show how to construct a product or structure.



CONSTRUCTION PHASE

CARPENTER

NOC: 7271

WAGE: \$23.81 /HR

Carpenters construct, erect, install, maintain, and repair structures and components of structures made of wood, lightweight steel and other materials. They are employed by construction companies, carpentry contractors, and maintenance departments of factories, or they may be self-employed.

CEMENT/CONCRETE FINISHER

NOC: 7282

WAGE: \$32.31 /HR

Concrete finishers smooth and finish freshly poured concrete, apply curing or surface treatments and install, maintain and restore various masonry structures such as floors, ceilings, sidewalks, roads, and patios. Most are employed by construction companies, concrete contractors and manufacturers. Some concrete finishers are self-employed, contracting their services for smaller projects such as patios, sidewalks and driveways.

CIVIL ENGINEER/ENVIRONMENTAL ENGINEER

NOC: 2131

WAGE: \$37.12/HR

Civil engineers plan, design, develop, and manage projects for the construction or repair of buildings, roads, airports, railways, rapid transit facilities, bridges, tunnels, and coastal installations and systems related to highway and transportation services, water distribution and sanitation. Civil engineers may also specialize in foundation analysis, building and structural inspection, surveying, geomatics, and municipal planning.

CONCRETE FORMER

NOC: 7611

WAGE: \$20.21 /HR

A concrete former sets up the forms in which concrete is poured to create walkways, walls, pillars, and other structures. They introduce rebar or wire mesh to reinforce the material, use trowels and other tools to spread and smooth concrete, and mold expansion joints and edges. Formers must monitor the material to ensure it hardens to a durable finish and may also color the finished concrete and apply waterproofing and other sealants.

CONSTRUCTION DRILLER

NOC: 7372

WAGE: \$27.64/HR

Construction drillers operate drilling machines to bore blast holes in open-pit mines and quarries and to bore holes for blasting and for building foundations at construction sites. They are employed by mining, quarrying and construction companies and by drilling and blasting contractors.

CONSTRUCTION LABOURER

NOC: 7611

WAGE: \$20.21 /HR

Construction labourers assist skilled tradespersons and perform labouring activities at construction sites. They are employed by construction companies and trade and labour contractors.



CONSTRUCTION PHASE

CONSTRUCTION SITE LOGISTICS PLANNER/MUNICIPAL PLANNER

NOC: 2153

WAGE: \$38.47/HR

Site logistics planners develop plans and recommend policies for managing land use, physical facilities, and associated services. They are employed by all levels of government, land developers, engineering and other consulting companies, or may work as private consultants.

ELECTRICAL ESTIMATOR

NOC: 2234

WAGE: \$29.49/HR

Electrical estimators are a specialized type of cost estimators who calculate the projected costs involved in electrical projects. These estimates are often used as bids for the work, which can be leveraged against other bids depending on the scope of the job. Electrical estimators typically work in both the commercial and residential construction industries.

ELECTRICIAN

NOC: 7241

WAGE: \$29.85/HR

Electricians prepare, assemble, install, test, troubleshoot and repair electrical wiring, fixtures, control devices, and related equipment in all types of buildings and other structures. They are employed by electrical contractors and building maintenance departments, or they may be self-employed.

ENVIRONMENTAL HEALTH & SAFETY TECHNICIAN/TECHNOLOGIST

NOC: 2263

WAGE: \$31.39/HR

Environmental health and safety technicians and technologists evaluate and monitor health and safety hazards and develop strategies to control risks. They inspect restaurants, industrial establishments, municipal water systems, public facilities, institutions, and other workplaces to ensure compliance with government regulations regarding sanitation, pollution control, the handling and storage of hazardous substances, and workplace safety. They are employed throughout the public and private sectors.

ESTIMATOR/QUANTITY SURVEYOR

NOC: 2234

WAGE: \$29.49/HR

Construction estimators analyze costs of and prepare estimates on civil engineering, architectural, structural, electrical, and mechanical construction projects. They are employed by residential, commercial and industrial construction companies and major electrical, mechanical and trade contractors, or they may be self-employed.

GEOLOGICAL ENGINEER

NOC: 2144

WAGE: \$31.76/HR

Geological engineers conduct geological and geotechnical studies to assess suitability of locations for civil engineering, mining and oil and gas projects; and plan, design, develop, and supervise programs of geological data acquisition and analysis and the preparation of geological engineering reports and recommendations.

CONSTRUCTION PHASE



HEAVY EQUIPMENT OPERATOR

NOC: 7521

WAGE: \$23.98/HR

Heavy equipment operators operate heavy equipment used in the construction and maintenance of roads, bridges, tunnels, buildings, and other structures; in surface mining and quarrying activities; and in material handling work. They are employed by construction companies, heavy equipment contractors, public works departments, and other companies.

HIGHWAY MAINTENANCE TECHNICIAN

NOC: 2231

WAGE: \$24.79/HR

Highway maintenance technicians provide technical support and services to scientists, engineers and other professionals, or may work independently in fields such as structural engineering, municipal engineering, construction design and supervision, highways and transportation engineering, water resources engineering, geotechnical engineering, and environmental protection. They are employed by consulting engineering and construction companies, public works, transportation, and other government departments and in many other industries.

HVAC MECHANIC

NOC: 7313

WAGE: \$30.14/HR

Heating, ventilation and air conditioning (HVAC) technicians install, maintain, and repair indoor air quality systems, such as air conditioners. This may include performing warranty services and emergency repairs.

INDUSTRIAL MECHANIC

NOC: 7311

WAGE: \$32.86/HR

Industrial mechanics maintain and repair factory equipment and other industrial machinery. Industrial mechanics may also install, dismantle, repair, reassemble, and move machinery in factories, power plants, and construction sites.

IRONWORKER

NOC: 7236

WAGE: \$35.39/HR

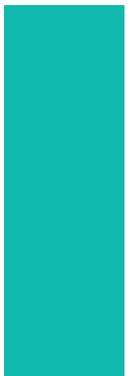
Ironworkers fabricate, install, repair and service structural ironwork, precast concrete, concrete reinforcing materials, curtain walls, and other metals used in the construction of buildings, bridges, highways, dams and other structures and equipment. They are employed by construction ironwork contractors.

IRRIGATION TECHNICIAN

NOC: 2225

WAGE: \$19.30/HR

The main task of an irrigation technician is to maintain irrigation equipment. This equipment can include sprinklers, water lines, pumps, suction devices, valves, and other plumbing equipment. This equipment can sometimes be buried underground and must be excavated to be maintained, so irrigation technicians should be comfortable working with digging equipment such as backhoes, shovels, and augers.



CONSTRUCTION PHASE

LANDSCAPE WORKER

NOC: 8612

WAGE: \$14.87/HR

Landscapers build and maintain gardens, parks, and other landscaped areas. They are employed by landscape designers and contractors, lawn service establishments, nurseries and greenhouses, as well as by municipal, provincial, and national parks. They may also be self-employed.

MECHANICAL TECHNOLOGIST

NOC: 2232

WAGE: \$31.73/HR

Mechanical technologists help mechanical engineers design, develop, test, and manufacture mechanical devices, including tools, engines, and machines. They may make sketches and rough layouts, record and analyze data, make calculations and estimates, and report their findings.

MILLWRIGHT

NOC: 7311

WAGE: \$32.86/HR

Construction millwrights and industrial mechanics install, maintain, troubleshoot, and repair stationary industrial machinery and mechanical equipment. Construction millwrights may work indoors or outdoors, often closely with other construction professionals, including electricians, steamfitter/pipefitters, or welders.

NURSE PRACTITIONER

NOC: 3124

WAGE: \$45.08/HR

Nurse practitioners provide a range of health services to patients delivering preventive and continuous care toward the management of patients' health. They are employed in community health centres, hospitals, clinics, and rehabilitation centres.

PAINTER

NOC: 7294

WAGE: \$20.08/HR

Professional painters work for construction companies, contractors or building management companies and may paint houses, business structures, or bridges. They are responsible for mixing, matching, and applying paint to various surfaces, completing touchups, and coordinating large painting projects.

PIPEFITTER

NOC: 7252

WAGE: \$34.62/HR

Pipefitters lay out, assemble, fabricate, maintain, troubleshoot and repair piping systems carrying water, steam, chemicals and fuel in heating, cooling, lubricating, and other process piping systems. Pipefitters are employed in maintenance departments of factories, plants, and similar establishments.



CONSTRUCTION PHASE

PIPE WELDER

NOC: 7237

WAGE: \$22.26/HR

Pipe welders assemble, maintain, and install structural units and piping systems. Pipe welders work in both indoor and outdoor construction environments in a variety of settings.

PLUMBER

NOC: 7251

WAGE: \$27.02/HR

Plumbers install, repair and maintain pipes, fixtures, and other plumbing equipment used for water distribution and waste water disposal in residential, commercial, and industrial buildings. They are employed by construction companies, plumbing contractors and maintenance departments, or they may also be self-employed.

QUALITY CO-ORDINATOR OFFICER

NOC: 2262

WAGE: \$35.25/HR

Quality assurance officers inspect transportation vehicles such as aircraft, watercraft, automobiles, and trucks and weighing and measuring devices such as scales and meters as well as industrial instruments, processes and equipment for conformity to government and industry standards and regulations.

SHEET METAL WORKER

NOC: 7233

WAGE: \$29.72/HR

Sheet metal workers fabricate, assemble, install, and repair sheet metal products. Sheet metal workers may specialize in on-site installation or shop manufacturing of sheet metal products, or in servicing and maintenance of installed equipment and systems.

SIGN CREW MEMBER

NOC: 7611

WAGE: \$20.21/HR

Sign crew members control the flow of traffic through construction work zones, sets up signs, cones, and barrels according to project specifications, communicates with, and explains traffic delays with the public.

TELECOMMUNICATIONS TECHNICIAN

NOC: 7246

WAGE: \$28.80/HR

Telecommunications technicians oversee businesses' telecommunication networks, which include telephones, Internet, cable, and some office equipment. They may be responsible for the planning, installation, maintenance, and repair of systems, as well.



CONSTRUCTION PHASE

TESTING AND COMMISSIONING FIELD SPECIALIST

NOC: 2241

WAGE: \$26.49/HR

Specialists' responsibilities include in-house testing, customer support, field commissioning, and equipment troubleshooting.

TOOL ROOM ATTENDANT

NOC: 1522

WAGE: \$21.03/HR

Tool room attendants monitor the condition of all tools/supplies and equipment in a tool room and is responsible for accountability of all tool/supply inventories.

TRANSPORT TRUCK DRIVER

NOC: 7511

WAGE: \$19.82/HR

Transport truck drivers operate heavy trucks to transport goods and materials over urban, interurban, provincial, and international routes. They are employed by transportation, manufacturing, distribution and moving companies, and trucking employment service agencies, or they may be self-employed.

TRANSPORTATION ROUTE AND CREW SCHEDULER

NOC: 1526

WAGE: \$24.10/HR

Transportation route and crew schedulers prepare operational and crew schedules for transportation equipment and operating personnel.

WATERWORKS AND GAS MAINTENANCE WORKER

NOC: 7442

WAGE: \$30.78/HR

Waterworks maintenance workers maintain and repair waterworks equipment and facilities. They are employed in water filtration and distribution plants and waste treatment plants. Gas maintenance workers check and perform routine maintenance and minor repairs to exterior and underground gas mains and distribution lines. They are employed by gas distribution companies.

CONSTRUCTION PHASE



MANAGERIAL/SUPERVISORY CONSTRUCTION OCCUPATIONS

BRICKLAYER SUPERVISOR

NOC: 7205

WAGE: \$30.00/HR

Supervisors in this unit group supervise and co-ordinate the activities of bricklayers.

CARPENTER SUPERVISOR

NOC: 7204

WAGE: \$28.53/HR

Carpenter supervisors supervise, co-ordinate, and schedule the activities of carpenters who construct, renovate and maintain structures of wood and other building materials and build and install interior finishing in residential, commercial, and industrial buildings.

CONSTRUCTION ELECTRICIAN SUPERVISOR

NOC: 7202

WAGE: \$36.39/HR

A construction electrician supervisor oversees the activities of construction electricians on a construction job site.

CONSTRUCTION FOREMAN

NOC: 7302

WAGE: \$29.64/HR

A foreman is usually the top supervisory position in environments such as construction work sites. The individual typically has formal training paired with experience in the industry and has the ability to direct, supervise, and troubleshoot common issues that arise on the job.

CONSTRUCTION SITE SUPERINTENDENT

NOC: 0711

WAGE: \$41.47/HR

Construction site superintendents plan, organize, direct, control, and evaluate the activities of a construction company or a construction department within a company, under the direction of a general manager or other senior manager. They are employed by residential, commercial, and industrial construction companies and by construction departments of companies outside the construction industry.

FLEET MECHANIC SUPERVISOR

NOC: 7305

WAGE: \$27.01/HR

Fleet mechanic supervisors lead the activities of the maintenance department to ensure that fleet and heavy equipment is available, dependable, and safe. They oversee preventative maintenance programs and ensure compliance with policies and regulations.

CONSTRUCTION PHASE

HEALTH, SAFETY, AND ENVIRONMENTAL DIRECTOR

NOC: 0112

WAGE: \$40.86/HR

Health, safety, and environmental directors plan, organize, direct, control, and evaluate the operations of human resources and personnel departments in health and safety, and develop and implement policies, programs, and procedures regarding health and safety on a work site.

IRONWORKER FOREMAN

NOC: 7201

WAGE: \$30.63/HR

Ironworker foremen supervise and co-ordinate the activities of ironworkers.

MILLWRIGHT FOREMAN

NOC: 7301

WAGE: \$31.87/HR

Millwright foremen supervise and co-ordinate the activities of millwrights.

PLUMBER FOREMAN

NOC: 7203

WAGE: \$37.71/HR

Plumber foremen supervise and co-ordinate the activities of plumbers.

SHEET METAL WORKERS SUPERVISOR

NOC: 7201

WAGE: \$30.63/HR

Sheet metal workers supervisors supervise and co-ordinate the activities of sheet metal workers.

TRANSPORTATION CO-ORDINATOR

NOC: 1215

WAGE: \$21.81/HR

A transportation co-ordinator supervises and co-ordinates the activities of transportation route and crew schedulers.

UTILITIES MANAGER

NOC: 0911

WAGE: \$67.02/HR

Utilities managers plan, organize, direct, control, and evaluate the operations of utility companies or services of heating fuel distribution companies. The services provided include treatment of water and waste, distribution of water, electricity, natural gas and heating oil to residential, commercial and industrial consumers, waste disposal, and waste recycling. Utilities managers are employed in public and private sector utilities and in heating fuel distribution companies.

PROJECTED OPERATION & MAINTENANCE PHASE JOBS



THIS SECTION FEATURES A LIST OF PROJECTED OPERATION AND MAINTENANCE JOBS THAT COULD BE EMPLOYED OR CONTRACTED BY BRIDGING NORTH AMERICA, WINDSOR-DETROIT BRIDGE AUTHORITY, CANADA BORDER SERVICES AGENCY, AND OTHER COMPANIES OR ORGANIZATIONS. THE OPERATION AND MAINTENANCE PHASES WILL BEGIN ONCE CONSTRUCTION HAS BEEN COMPLETED.



OPERATION

ACCOUNTANT/COST CONTROLLER

NOC: 1111

WAGE: \$33.46/HR

Accountants plan, organize, and administer accounting systems for individuals and establishments. They are employed by private sector accounting and auditing firms or departments and public sector accounting and auditing departments or units, or they may be self-employed.

ACCOUNTING CLERK

NOC: 1431

WAGE: \$20.51 /HR

Accounting clerks calculate, prepare and process bills, invoices, accounts payable and receivable, budgets, and other financial records according to established procedures. They are employed throughout the private and public sectors.

ADMINISTRATIVE ASSISTANT

NOC: 1241

WAGE: \$22.38/HR

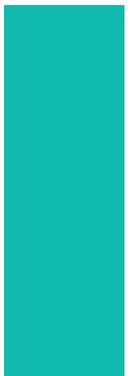
Administrative assistants perform a variety of administrative duties in support of managerial and professional employers. They are employed throughout the private and public sectors.

ADMINISTRATIVE OFFICER

NOC: 1221

WAGE: \$21.81 /HR

Administrative officers oversee and implement administrative procedures, establish work priorities, conduct analyses of administrative operations, and co-ordinate acquisition of administrative services such as office space, supplies and security services.



OPERATION & MAINTENANCE PHASE

BORDER OFFICER

NOC: 1228

WAGE: \$29.75/HR

Canada Border Services Agency officers work primarily to enforce immigration and customs laws. They also enforce agricultural laws as they pertain to the importation and exportation of goods by individuals.

COMMUNICATIONS MANAGER

NOC: 0124

WAGE: \$38.82/HR

Communications managers plan, organize, direct, control, and evaluate the activities of establishments and departments involved in commercial, industrial and e-business advertising, marketing, and public relations. They are employed by commercial and industrial establishments, government departments, and advertising, marketing, and public relations firms or consulting businesses.

COMMUNICATIONS SPECIALIST

NOC: 1123

WAGE: \$27.27/HR

Communications specialists specialize in advertising, marketing, and public relations who analyse, develop and implement communication and promotion strategies and information programs, analyse advertising needs and develop appropriate advertising and marketing plans, publicize activities and events, and maintain media relations on behalf of businesses, governments, and other organizations.

COMMUNITY BENEFITS CO-ORDINATOR

NOC: 1121

WAGE: \$34.48/HR

The community benefits co-ordinator will be responsible for ensuring that the Windsor-Detroit Bridge Authority's community benefits plan is developed and implemented well during the bridge project. They will be responsible for the development of specific policies and procedures that will be outcomes of the community benefits agreement.

CONTRACT CLERK

NOC: 1452

WAGE: \$21.76/HR

Contract clerks write correspondence, proofread material for accuracy, compile material for publication, verify, record and process forms and documents, such as applications, licences, permits, contracts, registrations and requisitions, and perform other related clerical duties in accordance with established procedures, guidelines and schedules.

CONTRACT MANAGER

NOC: 0113

WAGE: \$39.65/HR

Contract managers plan, organize, direct, control, and evaluate the activities of a purchasing department and develop and implement the purchasing policies of a business or institution. They are employed throughout the public and private sectors.

OPERATION & MAINTENANCE PHASE

CUSTOMER SERVICE REPRESENTATIVE

NOC: 6552

WAGE: \$15.13/HR

Customer service representatives answer inquiries and provide information regarding an establishment's services and policies. They also provide customer services such as receiving payments and processing requests for services.



DOCUMENT AND DATA MANAGEMENT

NOC: 1253

WAGE: \$24.44/HR

Document and data managers operate and maintain systems for the collection, classification, retrieval, and retention of documents and other information. They are employed throughout the private and public sectors.

DOCUMENT CONTROL CLERK

NOC: 1452

WAGE: \$21.76/HR

Document control clerks maintain records and could be responsible for assisting associates in preparing reports and presentations. The main priority of a document control clerk is to create and file important documents. They often work with computers, scanners, and other electronic office equipment.

ENVIRONMENTAL HEALTH & SAFETY TECHNICIAN/TECHNOLOGIST

NOC: 2263

WAGE: \$31.39/HR

Environmental health and safety technicians and technologists evaluate and monitor health and safety hazards and develop strategies to control risks. They inspect restaurants, industrial establishments, municipal water systems, public facilities, institutions, and other workplaces to ensure compliance with government regulations regarding sanitation, pollution control, the handling and storage of hazardous substances, and workplace safety. They are employed throughout the public and private sectors.

FINANCIAL ANALYST

NOC: 1112

WAGE: \$30.42/HR

Financial analysts work with financial planning, strategy, analysis, forecasting and reporting, financial management, and management control systems. They may also be involved in business modeling and integrated business processes, corporate data structures, and information systems.

FOOD INSPECTOR

NOC: 2263

WAGE: \$31.39/HR

Food inspectors inspect and certify products, focusing on key areas of specialization including fresh fruit and vegetable, dairy, grain, meat, plant protection, and fish.

OPERATION & MAINTENANCE PHASE

HEALTH, SAFETY, AND ENVIRONMENTAL DIRECTOR

NOC: 0112

WAGE: \$40.86/HR

Health, safety, and environmental directors plan, organize, direct, control, and evaluate the operations of human resources and personnel departments in health and safety, and develop and implement policies, programs, and procedures regarding health and safety on a work site.

HUMAN RESOURCES ADMINISTRATOR

NOC: 0112

WAGE: \$40.86/HR

Human resources administrators plan, organize, direct, control, and evaluate the operations of human resources and personnel departments, and develop and implement policies, programs and procedures regarding human resource planning, recruitment, collective bargaining, training and development, occupation classification, and pay and benefit administration. They represent management and participate actively on various joint committees to maintain ongoing relations between management and employees. Human resources managers are employed throughout the private and public sectors.

HUMAN RESOURCES GENERALIST

NOC: 1121

WAGE: \$34.48/HR

Human resources generalists develop, implement, and evaluate human resources and labour relations policies, programs and procedures, and advise employers and employees on human resources matters. They are employed throughout the private and public sectors, or they may be self-employed.

INFORMATION TECHNOLOGY COORDINATOR

NOC: 0213

WAGE: \$48.77/HR

IT coordinators plan, organize, direct, control, and evaluate the activities of organizations that analyze, design, develop, implement, operate, and administer computer and telecommunications software, networks, and information systems. They are employed throughout the public and private sectors.

INFORMATION TECHNOLOGY PROFESSIONAL

NOC: 2171

WAGE: \$36.73/HR

IT professionals plan, deliver, and maintain the information technology infrastructure services that support an organization's ability to function.

INTERPRETER/TRANSLATOR

NOC: 5125

WAGE: \$21.29/HR

Interpreters convert speech in one language to another, while translators perform a similar function with written text.



OPERATION & MAINTENANCE PHASE

LEGAL ASSISTANT

NOC: 1242

WAGE: \$23.55/HR

Legal assistants prepare and key in correspondence and legal documents, such as deeds, wills, affidavits and briefs, from handwritten copy, shorthand and machine dictation using computers, as well as review and proofread documents and correspondence to ensure compliance with legal procedures and grammatical usage.

LEGAL MANAGER

NOC: 0114

WAGE: \$35.27/HR

Legal managers plan, organize, direct, control, and evaluate departments responsible for legal governance and regulatory compliance.

MATERIAL HANDLERS/FORKLIFT DRIVER

NOC: 7452

WAGE: \$18.83/HR

Material handlers handle, move, load, and unload materials by hand or using a variety of material handling equipment. They are employed by transportation, storage, and moving companies, and by a variety of manufacturing and processing companies and retail and wholesale warehouses.

OFFICE SUPERVISOR

NOC: 1211

WAGE: \$23.39/HR

Office supervisors support company operations by maintaining office systems and supervising staff. They maintain office services by organizing office operations and procedures, preparing payroll, controlling correspondence, designing filing systems, reviewing and approving supply requisitions, assigning and monitoring clerical functions.

PAYROLL SUPERVISOR

NOC: 1212

WAGE: \$24.05/HR

Payroll supervisors supervise and co-ordinate the activities of workers in a payroll department.

PROCUREMENT MANAGER

NOC: 0113

WAGE: \$39.65/HR

Procurement managers plan, organize, direct, control, and evaluate the activities of a purchasing department and develop and implement the purchasing policies of a business or institution. They are employed throughout the public and private sectors.

PROCUREMENT OFFICER/AGENT

NOC: 1225

WAGE: \$26.98/HR

Procurement officers and agents purchase general and specialized equipment, materials, land, or access rights and business services for use or for further processing by their establishment. They are employed throughout the public and private sectors.

OPERATION & MAINTENANCE PHASE

QUALITY CO-ORDINATOR OFFICER

NOC: 2262

WAGE: \$35.25/HR

Quality assurance officers inspect transportation vehicles such as aircraft, watercraft, automobiles, and trucks and weighing and measuring devices such as scales and meters as well as industrial instruments, processes and equipment for conformity to government and industry standards and regulations.

RECEPTIONIST

NOC: 1414

WAGE: \$16.15/HR

Receptionists greet people arriving at offices, hospitals and other establishments, direct visitors to appropriate person or service, answer and forward telephone calls, take messages, schedule appointments, and perform other clerical duties. They are employed by hospitals, medical and dental offices, and throughout the public and private sectors.

SECURITY MANAGER/CO-ORDINATOR

NOC: 0114

WAGE: \$35.27/HR

Security managers plan, organize, direct, control, and evaluate departments responsible for security services. They are employed throughout the public and private sector.

SECURITY GUARD

NOC: 6541

WAGE: \$14.00/HR*

*Wages are provided as of 2017, those that had wages below the increased minimum wage were noted as \$14.00

Security guards are employed to protect property against theft, vandalism and fire, control access to establishments, maintain order and enforce regulations at public events and within establishments, conduct private investigations for clients or employers, and provide other protective services not elsewhere classified.

SIGN CREW MEMBER

NOC: 7611

WAGE: \$20.21/HR

Sign crew members control the flow of traffic through construction work zones, sets up signs, cones, and barrels according to project specifications, communicates with, and explains traffic delays with the public.

TOLLBOOTH ATTENDANT

NOC: 6742

WAGE: \$14.00/HR*

*Wages are provided as of 2017, those that had wages below the increased minimum wage were noted as \$14.00

Toll collectors work in toll booths on highways, bridges, and other roadways. This role requires a high level of attention to detail and excellent cash management skills to ensure that customers pay the correct amount in tolls and receive the correct amount of change.

OPERATION & MAINTENANCE PHASE

TRANSPORT TRUCK DRIVER

NOC: 7511

WAGE: \$19.82/HR

Transport truck drivers operate heavy trucks to transport goods and materials over urban, interurban, provincial, and international routes. They are employed by transportation, manufacturing, distribution and moving companies, and trucking employment service agencies, or they may be self-employed.

TRANSPORTATION CO-ORDINATOR

NOC: 1215

WAGE: \$21.81 /HR

A transportation co-ordinator supervises and co-ordinates the activities of transportation route and crew schedulers.

TRANSPORTATION ROUTE AND CREW SCHEDULER

NOC: 1526

WAGE: \$24.10/HR

Transportation route and crew schedulers prepare operational and crew schedules for transportation equipment and operating personnel.

MAINTENANCE

BUILDING MAINTENANCE MANAGER

NOC: 0714

WAGE: \$36.54/HR

Building maintenance managers are responsible for planning, organizing and managing preventive maintenance, cleaning, and repairs to equipment, fixtures, furnishings, and structures of buildings. They supervise custodial staff and building technicians. Coordinate maintenance and repairs with facility managers and their staff.

BUILDING MAINTENANCE WORKER

NOC: 6733

WAGE: \$17.63/HR

Maintenance workers fix and maintain mechanical equipment, buildings, and machines. Tasks include plumbing work, painting, flooring repair and upkeep, electrical repairs, and heating and air conditioning system maintenance.

CARPENTER

NOC: 7271

WAGE: \$23.81 /HR

Carpenters construct, erect, install, maintain, and repair structures and components of structures made of wood, lightweight steel, and other materials. They are employed by construction companies, carpentry contractors, and maintenance departments of factories, or they may be self-employed.

OPERATION & MAINTENANCE PHASE

CIVIL ENGINEER

NOC: 2131

WAGE: \$37.12/HR

Civil engineers plan, design, develop, and manage projects for the construction or repair of buildings, roads, airports, railways, rapid transit facilities, bridges, tunnels, and coastal installations and systems related to highway and transportation services, water distribution and sanitation. Civil engineers may also specialize in foundation analysis, building and structural inspection, surveying, geomatics, and municipal planning.

ELECTRICIAN

NOC: 7241

WAGE: \$29.85/HR

Electricians prepare, assemble, install, test, troubleshoot, and repair electrical wiring, fixtures, control devices and related equipment in all types of buildings and other structures. They are employed by electrical contractors and building maintenance departments, or they may be self-employed.

HVAC MECHANIC

NOC: 7313

WAGE: \$30.14/HR

Heating, ventilation, and air conditioning (HVAC) technicians install, maintain, and repair indoor air quality systems, such as air conditioners. This may include performing warranty services and emergency repairs.

LANDSCAPE WORKER

NOC: 8612

WAGE: \$14.87/HR

Landscapers build and maintain gardens, parks, and other landscaped areas. They are employed by landscape designers and contractors, lawn service establishments, nurseries and greenhouses, as well as by municipal, provincial, and national parks. They may also be self-employed.

PAINTER

NOC: 7294

WAGE: \$20.08/HR

Painters work for construction companies, contractors, or building management companies and may paint houses, business structures, or bridges. They are responsible for mixing, matching, and applying paint to various surfaces, completing touchups, and coordinating large painting projects.

PAYROLL SUPERVISOR

NOC: 1212

WAGE: \$24.05/HR

Payroll supervisors supervise and co-ordinate the activities of workers in a payroll department.



OPERATION & MAINTENANCE PHASE

PLUMBER

NOC: 7251

WAGE: \$27.02/HR

Plumbers install, repair and maintain pipes, fixtures and other plumbing equipment used for water distribution and waste water disposal in residential, commercial, and industrial buildings. They are employed by construction companies, plumbing contractors and maintenance departments, or they may also be self-employed.

SIGN CREW MEMBER

NOC: 7611

WAGE: \$20.21 /HR

Sign crew members control the flow of traffic through construction work zones, sets up signs, cones, and barrels according to project specifications, communicates with, and explains traffic delays with the public.

TELECOMMUNICATIONS TECHNICIAN

NOC: 7246

WAGE: \$28.80/HR

Telecommunications technicians oversee businesses' telecommunication networks, which include telephones, Internet, cable, and some office equipment. They may be responsible for the planning, installation, maintenance, and repair of systems, as well.



INDUCED JOB OPPORTUNITIES

Projecting Spin-Off Jobs

Workforce WindsorEssex used a Canadian-made statistical projection tool called EMSI Analyst to identify induced employment opportunities related to the construction, operation, and maintenance of the new bridge. This tool allows users to create employment growth projections when a certain amount of jobs is added to a specific industry project. The end calculation is the total number of workers that are projected to be required over the lifetime of the project.

Identifying the List of Spin-Off Jobs

During the construction phase, retail business on both sides of the border, such as quick service and sit-down restaurants, gas stations, convenience stores, grocery stores, accommodations, and other retail businesses will benefit from the new concentration of such a large workforce in the project's surrounding communities. During the operation and maintenance phase, we anticipate more traffic (including truck and tourism traffic) and an increased population in the bridge's surrounding areas. We know that the Gordie Howe International Bridge was built to support future growth in international traffic, but it was also built for redundancy and direct access to our provincial highway system. Although total volume of truck and tourism may not change dramatically in the short-term, overall international traffic patterns will change in Windsor-Essex and Detroit, creating opportunities for businesses near the bridge site/route to benefit.

NAICS Code	Industry Name	# of New Jobs Induced from Bridge Project
11	Agriculture, forestry, fishing, and hunting	7
21	Mining, quarrying, and oil and gas extraction	0
22	Utilities	8
23	Construction	38
31-33	Manufacturing	58
41	Wholesale trade	42
44-45	Retail trade	296
48-49	Transportation and warehousing	36
51	Information and cultural industries	14
52	Finance and insurance	57
53	Real estate and rental and leasing	18
54	Professional, scientific, and technical services	22
55	Management of companies and enterprises	2
56	Admin & support, waste management & remediation services	36
61	Educational services	40
62	Health care and social assistance	70
71	Arts, entertainment, and recreation	35
72	Accommodation and food services	198
81	Other services (except public administration)	97
91	Public administration	17
	TOTAL	1,091

The table above was generated by inputting the original Bridging North America workforce estimate of 2,500 jobs into the EMSI tool. In total, it projects the project will induce 1,091 job opportunities.

INDUCED/SPIN-OFF JOBS

WHOLESALE / RETAIL

A large influx of workers to the area will require access to services such as grocery stores, convenience stores, restaurants, gas bars, etc. There will be a need for both staff present at these types of businesses to account for the increased demand, as well as wholesale companies to supply these businesses with their products.

CASHIER

NOC: 6611

WAGE: \$14.00/HR*

*Wages are provided as of 2017, those that had wages below the increased minimum wage were noted as \$14.00

Cashiers operate cash registers, computers, or other equipment to record and accept payment for the purchase of goods, services and admissions. They are employed in stores, restaurants, theatres, recreational and sports establishments, currency exchange booths, government offices, business offices and other service, retail, and wholesale establishments.

PURCHASING OFFICER

NOC: 1225

WAGE: \$26.98/HR

Purchasing agents and officers purchase general and specialized equipment, materials, land or access rights and business services for use or for further processing by their establishment. They are employed throughout the public and private sectors.

RETAIL STOCKPERSON

NOC: 6622

WAGE: \$14.00/HR*

*Wages are provided as of 2017, those that had wages below the increased minimum wage were noted as \$14.00

Retail stockperson pack customers' purchases, price items, stock shelves with merchandise, and fill mail and telephone orders. They are employed in retail establishments, such as grocery, hardware and department stores, and in warehouses.

RETAIL SUPERVISOR

NOC: 6211

WAGE: \$16.38/HR

Retail sales supervisors supervise and co-ordinate the activities of workers. They are employed by stores and other retail businesses, wholesale businesses that sell on a retail basis to the public, rental service establishments, and businesses involved in door-to-door soliciting and telemarketing.

RETAIL WORKER

NOC: 6421

WAGE: \$14.00/HR*

*Wages are provided as of 2017, those that had wages below the increased minimum wage were noted as \$14.00

Retail salespersons sell, rent, or lease a range of technical and non-technical goods and services directly to consumers. They are employed by stores and other retail businesses, as well as wholesale businesses that sell on a retail basis to the public.

INDUCED/SPIN-OFF JOBS

INFORMATION AND COMMUNICATIONS TECHNOLOGY (ICT)

With a potential increase in the number of businesses and the services they offer, there may be a need for increased telecommunications capacity in the surrounding area. Businesses may also choose to advertise their services to the increased public, which may require an increase in communications and marketing staff to our region.

INFORMATION TECHNOLOGY COORDINATOR

NOC: 0213

WAGE: \$48.77/HR

Information technology (IT) coordinators plan, organize, direct, control, and evaluate the activities of organizations that analyze, design, develop, implement, operate, and administer computer and telecommunications software, networks and information systems. They are employed throughout the public and private sectors.

INFORMATION TECHNOLOGY PROFESSIONAL

NOC: 2171

WAGE: \$36.73/HR

Information technology (IT) professionals plan, deliver, and maintain the information technology infrastructure services that support an organization's ability to function.

TELECOMMUNICATIONS TECHNICIAN

NOC: 7246

WAGE: \$28.80/HR

Telecommunications technicians oversee businesses' telecommunication networks, which include telephones, Internet, cable and some office equipment. They may be responsible for the planning, installation, maintenance and repair of systems, as well.

HEALTHCARE AND SOCIAL ASSISTANCE

In order to ensure that bridge workers and their families are able to live healthy and active lifestyles, there will potentially be an increase in the number of healthcare services available around the bridge. This workforce may also require childcare services in order to ensure their children are cared for while they are at work.

CLINIC RECEPTIONIST

NOC: 1414

WAGE: \$16.15/HR

Receptionists greet people arriving at offices, hospitals and other establishments, direct visitors to appropriate person or service, answer and forward telephone calls, take messages, schedule appointments, and perform other clerical duties. They are employed by hospitals, medical and dental offices, and throughout the public and private sectors.



INDUCED/SPIN-OFF JOBS

DAYCARE WORKER

NOC: 4214

WAGE: \$17.48/HR

Daycare workers plan, organize, and implement programs for children between the ages of infancy and 12 years. They also lead children in activities to stimulate and develop their intellectual, physical and emotional growth and ensure their security and well-being. They are employed in child-care centres, day-care centres, kindergartens, agencies for exceptional children, and other settings where early childhood education services are provided.

EMERGENCY SERVICE DISPATCHER

NOC: 1525

WAGE: \$22.25/HR

Dispatchers operate radios and other telecommunication equipment to dispatch emergency vehicles and to co-ordinate the activities of drivers and other personnel. They are employed by police, fire and health departments, other emergency service agencies, taxi, delivery and courier services, trucking and utilities companies, and other commercial and industrial establishments.

NURSE PRACTITIONER

NOC: 3124

WAGE: \$45.08/HR

Nurse practitioners provide a range of health services to patients delivering preventive and continuous care toward the management of patients' health. They are employed in community health centres, hospitals, clinics, and rehabilitation centres.

SOCIAL WORKER

NOC: 4152

WAGE: \$33.50/HR

Social workers work with clients and assist them in finding the proper resources they need. Social workers may also be the link between people and caregivers in the health and psychology professions.

UTILITIES

Companies or organizations that require new locations or expansions due to the new influx of workers to the surrounding area will require the need for construction workers to complete this type of work. Once these new locations or expansions have been completed, they will also require the installation of utilities to ensure they are able to perform their work.

TELECOMMUNICATIONS TECHNICIAN

NOC: 7246

WAGE: \$28.80/HR

Telecommunications technicians oversee businesses' telecommunication networks, which include telephones, Internet, cable, and some office equipment. They may be responsible for the planning, installation, maintenance and repair of systems, as well.



INDUCED/SPIN-OFF JOBS

TRADES INSTRUCTOR

NOC: 4021

WAGE: \$35.46/HR

College/vocational instructors teach applied arts, academic, technical and vocational subjects to students at community colleges, CEGEPs, agricultural colleges, technical and vocational institutes, language schools and other college level schools. This unit group also includes trainers who are employed by private training establishments, companies, community agencies, and governments to deliver internal training or development courses.

UTILITIES MANAGER

NOC: 0911

WAGE: \$67.02/HR

Utilities managers plan, organize, direct, control, and evaluate the operations of utility companies or services of heating fuel distribution companies. The services provided include treatment of water and waste, distribution of water, electricity, natural gas and heating oil to residential, commercial and industrial consumers, waste disposal, and waste recycling. Utilities managers are employed in public and private sector utilities and in heating fuel distribution companies.

FINANCE, INSURANCE, AND REAL ESTATE

New workers in the area will most likely require places of residence, and this means they may hire the services of real estate agents to help them find a home while they are working on the bridge. These same workers will also require legal and insurance services while they are working on the bridge project.

INSURANCE AGENT/BROKER

NOC: 6231

WAGE: \$20.69/HR

Insurance agents and brokers sell life, automobile, property, health, and other types of insurance to individuals, businesses, and public institutions. Insurance agents are employed by individual insurance companies or are independent representatives of specific insurance companies. Insurance brokers are employed by brokerage firms, or may work in partnerships or hold sole proprietorship.

PARALEGAL

NOC: 4211

WAGE: \$24.15/HR

Paralegals prepare legal documents and conduct research to assist lawyers or other professionals. Independent paralegals provide legal services to the public as allowed by government legislation, or provide paralegal services on contract to law firms or other establishments.

REAL ESTATE AGENT/SUPERVISOR

NOC: 6232

WAGE: \$18.03/HR

Real estate agents and salespersons act as agents for the sale or purchase of houses, apartments, commercial buildings, land, and other real estate and are employed in the real estate industry.

INDUCED/SPIN-OFF JOBS

TOURISM

The surrounding area of the bridge should see an increase in tourism, especially due to the introduction of free bike lane travel across the new bridge and a community benefits agreement that will inject funds into Sandwich West, a community in the immediate surrounding area of the bridge. We also predict an increased demand for the services of local restaurants during the project timeline.

BICYCLE MECHANIC/REPAIRER

NOC: 7445

WAGE: \$16.21/HR*

*The NOC code that includes Bicycle Mechanics also includes 106 other similar jobs, so we used a crowd-sourced data website called [payscale.com](https://www.payscale.com) for this median wage data.

Workers, not elsewhere classified, who repair and service a wide variety of products, such as sporting goods and other miscellaneous products and equipment. They are employed by product specialty repair shops and service establishments.

CASINO WORKER

NOC: 6533

WAGE: \$19.59/HR

Casino workers operate gaming tables, assist patrons using slot machines, accept keno wagers, pay out winning bets and jackpots, and collect losing bets. They are employed by casinos.

COOK

NOC: 6322

WAGE: \$14.00/HR*

*Wages are provided as of 2017, those that had wages below the increased minimum wage were noted as \$14.00

Cooks prepare and cook a wide variety of foods. They are employed in restaurants, hotels, hospitals and other health care institutions, central food commissaries, educational institutions, and other establishments. Cooks are also employed aboard ships and at construction and logging campsites.

FOOD AND BEVERAGE SERVER

NOC: 6513

WAGE: \$14.00/HR*

*Wages are provided as of 2017, those that had wages below the increased minimum wage were noted as \$14.00

Food and beverage servers take food and beverage orders and serve orders to patrons. They are employed in restaurants, hotels, bars, taverns, private clubs, banquet halls, and similar establishments.

HOTEL CLERK

NOC: 6525

WAGE: \$14.00/HR*

*Wages are provided as of 2017, those that had wages below the increased minimum wage were noted as \$14.00

Hotel front desk clerks make room reservations, provide information, and services to guests and receive payment for services. They are employed by hotels, motels, and resorts.

INDUCED/SPIN-OFF JOBS

HOTEL HOUSEKEEPING

NOC: 4412

WAGE: \$15.53/HR

Housekeepers perform housekeeping and other home management duties in private households and other non-institutional, residential settings. Housekeepers handle light cleaning needed for the upkeep of homes as well as commercial buildings, such as offices, hotels, and hospitals. They often replace bedding, clean rooms, halls and bathrooms, vacuum, sweep, mop, replace toiletries, and make beds.

HOTEL MANAGER

NOC: 0632

WAGE: \$21.85/HR

Accommodation service managers plan, organize, direct, control and evaluate the operations of an accommodation establishment or of a department within such an establishment. They are employed by hotels, motels, resorts, student residences, and other accommodation establishments.

RESTAURANT MANAGER

NOC: 0632

WAGE: \$15.75/HR

Restaurant and food service managers plan, organize, direct, control, and evaluate the operations of restaurants, bars, cafeterias, and other food and beverage services. They are employed in food and beverage service establishments, or they may be self-employed.

TOUR GUIDE

NOC: 6531

WAGE: \$16.29/HR

Tour and travel guides escort individuals and groups on trips, on sightseeing tours of cities and on tours of historical sites and establishments. They also provide descriptions and background information on interesting features. Tour and travel guides are employed by tour operators, resorts, and other establishments or may be self-employed.



INDUCED /SPIN-OFF JOBS



TRANSPORTATION

The construction phase of the bridge will require the use of many types of different transportation to bring materials to and from the construction site. Additionally, new transport truck traffic will be introduced to Sandwich West, potentially leading to the development of auto repair shops in the nearby vicinity.

AUTOMOTIVE MECHANICS/TRUCK & TRAILER TECHNICIAN

NOC: 7321

WAGE: \$22.23/HR

Automotive service technicians, truck and bus mechanics and mechanical repairers inspect, diagnose, repair and service mechanical, electrical and electronic systems and components. They are employed by motor vehicle dealers, garages, truck and trailer dealerships, fleet maintenance companies, and service stations, automotive specialty shops, transportation companies, and retail establishments which have automotive service shops.

MECHANICAL SERVICER

NOC: 7535

WAGE: \$14.00/HR*

*Wages are provided as of 2017, those that had wages below the increased minimum wage were noted as \$14.00

Mechanical servicers install replacement automotive mechanical parts such as mufflers, exhaust pipes, shock absorbers, springs and radiators and perform routine maintenance service such as oil changes, lubrication and tire repairs on automobiles, trucks, and heavy equipment. They are employed by automobile and truck service and repair shops, service departments of industrial establishments and construction, mining, and logging companies.

TAXI/LIMOUSINE DRIVER

NOC: 7513

WAGE: \$14.00/HR*

*Wages are provided as of 2017, those that had wages below the increased minimum wage were noted as \$14.00

Taxi and limousine drivers drive automobiles and limousines to transport passengers. Taxi and limousine drivers are employed by taxi and other transportation service companies, or they may be self-employed.

TRANSPORT TRUCK DRIVER

NOC: 7511

WAGE: \$19.82/HR

Transport truck drivers operate heavy trucks to transport goods and materials over urban, interurban, provincial and international routes. They are employed by transportation, manufacturing, distribution and moving companies, and trucking employment service agencies, or they may be self-employed.

GETTING HIRED

Bridge Jobs

There are various companies involved in the Gordie Howe International Bridge project. To help jobseekers find all of the related job opportunities, Workforce WindsorEssex has created a dedicated webpage to list all of the active job postings at www.workforcewindsorsex.com/bridge-jobs

GORDIE HOWE INTERNATIONAL BRIDGE JOB POSTINGS

To stay up to date on employment opportunities, sign up for our [WEjobs](#) email list to receive almost daily emails with information on local job opportunities, job fairs, short-term training programs, and volunteer opportunities.

Below are the current job postings for positions related to the Gordie Howe International Bridge:

[Construction](#)
[Professional Services](#)

CONSTRUCTION

- Design Construction Manager - AECOM
- Quality Control Manager - AECON Group Inc.
- Systems & Electrical Lead - Dragados Canada
- Environment Monitor - Fluor Canada
- Quality Control Manager - Dragados (Detroit)

Search...

WORKFORCE WINDSORSEX E-NEWSLETTER

For general news and updates via email on our various programs and services, sign up below.

Email Address

SUBSCRIBE

OUR POPULAR TOOLS

[SUBMIT YOUR RESUME TO OUR SKILLS DATABASE](#)

Want local job postings emailed to you?

You can also sign up to receive our WEjobs email service, which contains job postings, job fairs, as well as short term training and volunteer opportunities. This email is sent a few times per week to your email address. Sign up by visiting www.workforcewindsorsex.com/wejobs

Want to attend an upcoming job fair?

Visit our website to view a list of upcoming job fairs at www.workforcewindsorsex.com/job-fairs

Need in-person employment supports?

Contact one of the region's Employment Ontario offices at www.ontario.ca/page/employment-ontario





workforce
WindsorEssex
YOUR LOCAL EMPLOYMENT PLANNING COUNCIL

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