

# Alaska Canada Rail Link Study

## Environmental Bio-Physical Assessment

### Overview of Employment Opportunities

#### Railroad Operations & Maintenance

The Alaska Canada Rail Link (ACRL) has the potential to provide numerous types of employment to local residents. This employment requires professional, skilled and semi-skilled labor.

The following railroad employment opportunities would probably be available:

<b>President</b>	
<b>Responsibilities:</b>	Manages and is responsible for the entire railroad
<b>Desired Experience:</b>	20+ years of comprehensive railroad experience, preferably in all facets of the railroad industry
<b>Education</b>	College degree, computer literacy
<b>Category</b>	Professional

<b>Chief Transportation Officer</b>	
<b>Responsibilities:</b>	Manages all train operations including train crews, train dispatchers and operating supervision
<b>Desired Experience:</b>	20+ years of comprehensive railroad operations experience in heavy haul freight and passenger operations
<b>Education</b>	College degree, Federal Railroad Administration (FRA) or Transport Canada regulatory operating requirements, operating rules, computer literacy
<b>Category</b>	Professional

<b>Chief Engineer</b>	
<b>Responsibilities:</b>	Manages all maintenance of way track, signal systems, bridges and buildings, including responsibility for maintenance of way, including track mechanics, signal system maintainers, and bridge and building employees
<b>Desired Experience:</b>	20+ years of comprehensive railroad engineering experience in track, signals, bridges and buildings
<b>Education</b>	College degree in civil engineering, Federal Railroad Administration (FRA) or Transport Canada Track Safety Standards, signal systems, computer literacy
<b>Category</b>	Professional

<b>Chief Mechanical Officer</b>	
<b>Responsibilities:</b>	Manages all locomotives, rolling stock and equipment maintenance facilities, including all mechanical employees
<b>Desired Experience:</b>	20+ years of comprehensive railroad mechanical maintenance experience in locomotives, rolling stock, and maintenance facilities
<b>Education</b>	College education, Association of American Railroads Interchange Standards, locomotive and rail car maintenance courses, computer literacy
<b>Category</b>	Professional

<b>Chief Financial Officer</b>	
<b>Responsibilities:</b>	Manages all finances and general business affairs
<b>Desired Experience:</b>	20+ years of comprehensive railroad financial experience, including business administration, taxation, insurance, risk management and banking. Certified Public Accountancy preferred
<b>Education</b>	College degree in business, finance or accounting; computer literacy
<b>Category</b>	Professional

<b>Administrative</b>	
<b>Responsibilities:</b>	Performs administrative and clerical functions
<b>Desired Experience:</b>	Entry level to very experienced
<b>Education</b>	Formal administrative training preferred and computer literacy required. Basic accountancy and finance desired.
<b>Category</b>	Skilled

<b>Locomotive Engineer</b>	
<b>Responsibilities:</b>	Operates locomotives in yard and road service
<b>Desired Experience:</b>	Qualified locomotive engineer preferred, including heavy haul and passenger train experience. No history of Driving (motor vehicles) Under the Influence
<b>Education</b>	High school diploma, locomotive engineer training and territory qualification, operating rules
<b>Category</b>	Skilled

<b>Conductor</b>	
<b>Responsibilities:</b>	Directs the safe and efficient movement of a train or switch engine in yard and switching service
<b>Desired Experience:</b>	Qualified conductor preferred, including yard and industry service
<b>Education</b>	High school diploma, conductor training and territory qualification, operating rules
<b>Category</b>	Skilled

<b>Train Dispatcher</b>	
<b>Responsibilities:</b>	Manages the safe and efficient movement of trains throughout the railroad using computerized train dispatching software.
<b>Desired Experience:</b>	Qualified train dispatcher, computer literacy
<b>Education</b>	High school diploma, operating rules
<b>Category</b>	Skilled

<b>Yardmaster</b>	
<b>Responsibilities:</b>	Manages the safe and efficient of train movements in a train yard. Receives trains into yard, directs movement of rail cars and locomotives, prepares trains to be dispatched to other locations.
<b>Desired Experience:</b>	Qualified yardmaster
<b>Education</b>	High school diploma, operating rules, computer literacy
<b>Category</b>	Skilled

<b>Trainmaster / Road Foreman</b>	
<b>Responsibilities:</b>	Supervises locomotive engineers. Manages train crews and train operations after departure from yards, while enroute, and prior to arrival in yards. Performs operating efficiency testing of operating personnel.
<b>Desired Experience:</b>	Qualified locomotive engineer with 10+ years of railroad operating experience
<b>Education</b>	High school diploma, FRA regulatory operating requirements, operating rules, computer literacy
<b>Category</b>	Skilled

<b>Roadmaster</b>	
<b>Responsibilities:</b>	Manages day-to-day maintenance of the track and signal system infrastructure, including federally mandated inspections and compliance with federal standards.
<b>Desired Experience:</b>	10+ years of maintenance experience in both railroad track and signal systems, including inspections
<b>Education</b>	College degree desired; high school diploma, FRA and/or Transport Canada regulatory requirements, computer literacy required.
<b>Category</b>	Skilled

<b>Track, Bridge &amp; Building Mechanic</b>	
<b>Responsibilities:</b>	Performs daily maintenance, inspection and repair of track, bridge and building infrastructure. Duties include obtaining permission to occupy the railroad, drive trucks, operate all on-track and off track equipment, welding equipment, cranes.
<b>Desired Experience:</b>	Experience in railroad, bridge and building maintenance construction. Experience in non-railroad construction suitable for entry level positions; welding, plumbing and electrical systems preferred.
<b>Education</b>	High school diploma, FRA and/or Transport Canada regulatory requirements, commercial driving license required; computer literacy preferred.
<b>Category</b>	Skilled; semi-skilled

<b>Signal Maintainer</b>	
<b>Responsibilities:</b>	Performs daily maintenance, inspection and repair of signal systems and communications infrastructure. Duties include obtaining permission to occupy the railroad, drive trucks, operate all on-track and off track equipment, welding equipment, cranes, electronic testing equipment including computers.
<b>Desired Experience:</b>	Experience in electronics. Knowledge of FRA and/or Transport Canada required signal testing
<b>Education</b>	High school diploma required, advanced electronics testing and repair training preferred
<b>Category</b>	Skilled

<b>Mechanical Supervisor</b>	
<b>Responsibilities:</b>	Performs daily management all locomotive, rolling stock and equipment maintenance facilities, including supervision of all mechanical employees
<b>Desired Experience:</b>	10+ years of comprehensive railroad mechanical maintenance experience in locomotives, rolling stock, and maintenance facilities
<b>Education</b>	High school diploma, computer literacy, Association of American Railroads Interchange Standards, locomotive and rail car maintenance courses
<b>Category</b>	Skilled

<b>Locomotive and Rail Car Repair Mechanic</b>	
<b>Responsibilities:</b>	Performs daily maintenance of all locomotives, rolling stock and equipment maintenance facilities
<b>Desired Experience:</b>	5+ years of comprehensive railroad mechanical maintenance experience in locomotives, rolling stock, and maintenance facilities desired. Electrical and electronics, welding, sheet metal, diesel mechanic and plumbing preferred.
<b>Education</b>	High school diploma, Association of American Railroads Interchange Standards, locomotive and rail car maintenance courses, computer literacy
<b>Category</b>	Skilled

All railroad employees must agree to submit and pass a drug and alcohol free test prior to the commencement of employment for the railroad, and freely avail themselves to random drug and alcohol testing at any time during employment.