

# ORGO NAG, P.Eng

## Senior Construction Project Manager

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### SUMMARY

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Professional Engineer with 9+ years managing construction of mission-critical, 24/7 infrastructure across Western Canada, with career delivery exceeding \$1B CAD. Proven expertise across the full construction lifecycle, estimates and budgets, permitting and regulatory approvals, contract negotiation, procurement, execution, commissioning, and turnover to operations. Skilled in directing contractors and multidisciplinary teams of 100+ employees. Sustained record of on-schedule (95% timeline compliance) and under-budget delivery in live operating environments where downtime is not an option, supported by Power BI, GIS, and AI-enabled reporting tools that drive executive decision-making.

### EXPERIENCE

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#### Senior Manager, Engineering | CPKC Railway — Saskatchewan Mar 2024 - Present

- Run a \$100M annual capital program covering track, structures, and facility work across Saskatchewan, delivering 50+ miles of legacy infrastructure upgrades on schedule and within budget on a live 24/7 network.
- Lead more than 100 employees and contractors across engineering, trades, and operations. Responsible for safety, quality, schedule, and cost, with site safety plans enforced as the first priority on every job.
- Held 95% project timeline compliance two years straight, ahead of corporate targets, by front-loading planning and keeping a tight coordination rhythm with field teams.
- Built a five-year capital plan to bring legacy infrastructure up to current standards, cutting territory speed restrictions 30% year over year while staying inside annual budget limits.
- Coordinate readiness across engineering, transportation, mechanical, and operations teams ahead of major activation and commissioning milestones.
- Serve as the principal engineering contact for the province, briefing C-suite leadership on business cases and working directly with mayors, councillors, and regulators on cross-jurisdictional approvals.
- Designed an offline AI alert system for field operations that raised production and reporting efficiency 30% and gives leadership real-time field data to act on.

#### Project Manager, Track & Structures | CPKC Railway — Saskatoon, SK Jul 2023 - Mar 2024

- Ran multiple construction projects at once while responding to 19 unplanned incidents, restoring full operations within 24 hours each time by pulling together engineering, operations, and contractor crews.
- Came in 5% under budget against the company's three-year average by using local assets, reusing materials, and tightening planning discipline without cutting scope.
- Built GIS web applications and Power BI dashboards to track defects, prioritize risk, and monitor cost and schedule performance in real time.
- Set up local job-cost reviews and accountability measures that brought financial reporting in line with corporate standards.

#### Project Manager, Industrial Development | Canadian Pacific Railway — Calgary, AB Feb 2020 - Jul 2023

- Led commercial construction projects worth over \$200M a year, taking each from concept, estimates, and budgets through contracts, construction, commissioning, and handover to operations.
- Secured entitlements and approvals on right-of-way, permitting, and regulatory files with municipalities, federal agencies, and Indigenous communities, often in politically sensitive situations, without disrupting service.
- Negotiated project scopes with contractors and developers and managed scope changes and their cost and schedule impacts across concurrent projects.
- Planned operational integration with engineering, legal, transportation, and operating teams to assess impacts, confirm readiness, and prepare mitigations ahead of construction.
- Managed cost, schedule, and regulatory risk across the portfolio, averaging 7% under budget over three years.

## Engineer in Training | Canadian Pacific Railway — BC, AB & SK

May 2017 - Feb 2020

- Helped deliver 27 coastal infrastructure projects in British Columbia while meeting environmental, archaeological, and railway regulatory requirements.
- Held frontline construction supervision roles across BC, AB, and SK, improving project cost performance by 10%+ through structured reporting and data-based decisions.
- Developed new construction standards that were adopted system-wide within my first year.

## SKILLS

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- **Construction Management:** Pre-Construction Planning • Estimating & Budgeting • Scheduling & Milestone Management • Contract Negotiation & Scope Development • Change Management • Procurement & Contractor Management • Commissioning, Turnover & Closeout • Cost Control & Job-Cost Review
- **Permitting & Stakeholders:** Permits & Regulatory Approvals (Municipal / Provincial / Federal) • Government Relations • Indigenous Community Engagement • Cross-Jurisdictional Coordination
- **Leadership & Safety:** Contractor & Team Leadership (100+) • Jobsite Safety Compliance • Incident & Emergency Response • Executive Reporting & Business Cases
- **Technology:** SAP • Power BI • Microsoft Office • Python • GIS Applications • Power Automate • AI / LLM Integration

## EDUCATION & CERTIFICATIONS

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- **B.Sc. Civil Engineering, Minor in Structural Engineering** — University of Calgary, First Place Capstone Award — Net-Zero Emission Project Execution
- **Professional Engineer (P.Eng), APEGA** — Active Practicing Status
- **Co-Chair, Workplace Health & Safety Committee** — CPKC Saskatchewan
- Qualified Bridge Inspector (CPKC Rail)
- Qualified Train Conductor (CPKC Rail)
- Engineering Rules D-Card / RTSR