

Spring 2024

BC Major Infrastructure Projects Brochure

The BC Major Infrastructure Projects Brochure describes projects that are \$50 million and above. The brochure includes projects from the Province of British Columbia as well as from other public sector bodies in BC.

Infrastructure BC is committed to supporting public sector clients through all phases of infrastructure delivery. This brochure focuses on two important phases of infrastructure delivery: planning and procurement.

Infrastructure BC works with all levels of government in delivering complex infrastructure to improve people's lives and communities. With continued focus on public infrastructure spending in BC, this brochure provides vital information to companies in the design and construction industry.



► Burnaby Hospital Phase 2 and BC Cancer Centre concept rendering

Project Phases

PLANNING

Provides project information and analysis of potential service delivery options, procurement options and costs.

PRE-PROCUREMENT

Business Case has been completed. Project awaiting client approval to proceed to procurement.

ACTIVE PROCUREMENT

RFQ

Invites parties to submit responses indicating their interest in the project, and qualifications.

RFP

Invites eligible bidders to prepare and submit proposals to fulfill the project specific requirements.






BC's Major Infrastructure Projects Brochure will be updated and published semi-annually. Any public sector body in British Columbia may provide projects to Infrastructure BC for inclusion in future brochure versions.

Legend

CONTRACT FORM

| |
|---|
| Design Build |
| Design Bid Build |
| Design Build Finance |
| Progressive Design Build |
| Progressive Design Build with Target Price Contract |
| Construction Management |
| Alliance or Target Price Contract |
| To Be Determined |

SECTOR

| | |
|--------------------|---|
| Education |  |
| Accommodation |  |
| Energy & Utilities |  |
| Health |  |
| Transportation |  |









PROJECT TYPE

| | |
|------------|----|
| New Build | NB |
| Renovation | R |
| Expansion | E |

CAPITAL COST

| | |
|----------------------|----------|
| \$50-\$150 Million | \$ |
| \$150-\$500 Million | \$\$ |
| \$500-\$1000 Million | \$\$\$ |
| >\$1000 Million | \$\$\$\$ |

Planning (not yet approved)

| SECTOR | PROJECT | OWNER | TYPE | PROCUREMENT START (ANTICIPATED) | IBC INVOLVED | LOCATION | CAPITAL COST | CONSTRUCTION START (ANTICIPATED) |
|---|---|---|------|---------------------------------|--------------|---------------------------|--------------|----------------------------------|
|  | Hwy. 1 Fraser Valley Corridor Improvements - Mt. Lehman to Hwy 11 | Min. of Transportation & Infrastructure | E | TBD | Yes | Langley - Abbotsford | \$\$\$\$ | TBD |
|  | Hwy. 1 McKenzie to Six Mile Bus on Shoulder | Min. of Transportation & Infrastructure | E | TBD | Yes | Victoria | \$ | TBD |
|  | Quesnel - Hixton Road Slide | Min. of Transportation & Infrastructure | R | TBD | TBD | Quesnel | \$\$ | TBD |
|  | Quesnel - Hydraulic Road Slide | Min. of Transportation & Infrastructure | R | TBD | TBD | Quesnel | \$ | TBD |
|  | Burnaby Mountain Gondola | TransLink | NB | 2025 | TBD | Burnaby | \$\$ | 2026 |
|  | Surrey Langley Operations & Maintenance Centre (OMC5) | TransLink | NB | 2024 - 2025 | Yes | Surrey | \$\$\$\$ | 2027 |
|  | Annacis Main No. 5 (North) Drinking Water Conveyance | Metro Vancouver | NB | Q1 2025 | No | Burnaby & New Westminster | \$ | Q2 2025 |
|  | Cape Horn Pump Station No. 3 | Metro Vancouver | E | Q3 2025 | No | Coquitlam | \$\$ | Q1 2027 |








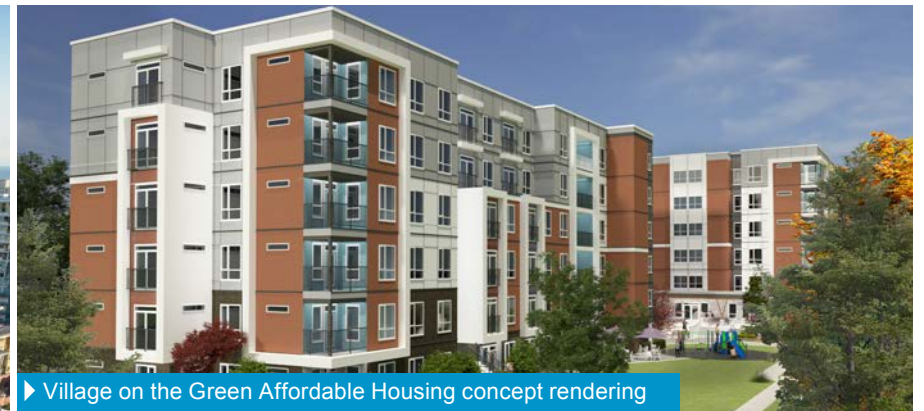
▶ Burnaby Mountain Gondola concept rendering











▶ Cape Horn Pump Station concept rendering

Planning (not yet approved)

| SECTOR | PROJECT | OWNER | TYPE | PROCUREMENT START (ANTICIPATED) | IBC INVOLVED | LOCATION | CAPITAL COST | CONSTRUCTION START (ANTICIPATED) |
|---|--|--|------|---------------------------------|--------------|------------|--------------|----------------------------------|
|  | Campus View Affordable Housing | Capital Region Housing Corporation | NB | Q2 2024 | No | Victoria | \$ | 2025 |
|  | Village on the Green Affordable Housing | Capital Region Housing Corporation | NB | Q2 2024 | No | Victoria | \$ | 2025 |
|  | Pandora Affordable Housing | Capital Region Housing Corporation | NB | TBD | No | Saanich | \$ | 2025 |
|  | Plant and Animal Health Centre | Min. of Citizens' Service / Min. of Agriculture & Food | NB | Q3 2024 | Yes | Abbotsford | \$\$\$ | TBD |
|  | Vernon Jubilee Hospital Psychiatric Inpatient Unit Replacement | Interior Health | NB | TBD | TBD | Vernon | \$ | 2026 |



Pre-Procurement

| SECTOR | PROJECT | OWNER | TYPE | PROCUREMENT START (ANTICIPATED) | IBC INVOLVED | LOCATION | CAPITAL COST | CONSTRUCTION START (ANTICIPATED) |
|---|---|---|------|---------------------------------|--------------|---------------------------|--------------|----------------------------------|
|  | Blackwater North Fraser Slide | Min. of Transportation & Infrastructure | R | Early 2025 | Yes | Quesnel | \$\$ | Summer 2025 |
|  | Cottonwood Hill at Highway 97 Slide | Min. of Transportation & Infrastructure | R | Spring 2024 | Yes | Quesnel | \$\$ | Summer 2024 |
|  | Highway 1 - Goldstream Safety Improvements | Min. of Transportation & Infrastructure | E | Spring 2025 | Yes | Southern Vancouver Island | \$\$ | TBD |
|  | Roberts Bank Terminal 2 - Landmass & Wharves ¹ | Vancouver Fraser Port Authority | NB | 2025 - 2027 | No | Delta | \$\$\$\$ | 2028+ |
|  | Roberts Bank Terminal 2 - Terminal Infrastructure & Operations ² | Vancouver Fraser Port Authority | NB | 2029 - 2031 | No | Delta | \$\$\$\$ | 2031+ |
|  | Richmond Hospital Redevelopment | Vancouver Coastal Health | NB/R | Spring 2024 | Yes | Richmond | \$\$\$ | 2025 |
|  | Richmond Long-Term Care | Vancouver Coastal Health | NB | Spring 2024 | No | Richmond | \$\$ | 2025 |
|  | Nanaimo Cancer Centre | Island Health | NB/R | Spring 2024 | No | Nanaimo | \$\$ | 2025 |

¹ Design Bid Build with PDB (under review)

² Terminal Concession













▶ Richmond Hospital redevelopment concept rendering



▶ Robert's Bank Terminal concept rendering

Pre-Procurement

| SECTOR | PROJECT | OWNER | TYPE | PROCUREMENT START (ANTICIPATED) | IBC INVOLVED | LOCATION | CAPITAL COST | CONSTRUCTION START (ANTICIPATED) |
|---|-----------------------------------|--|------|---------------------------------|--------------|-----------------|--------------|----------------------------------|
|  | Burke Mountain Secondary School | Coquitlam School District No. 43 | NB | Spring 2024 | No | Coquitlam | \$\$ | 2024 |
|  | New East Side Elementary School | Chilliwack School District No. 33 | NB | Spring 2024 | No | Chilliwack | \$ | 2024 |
|  | Carson Elementary School | Quesnel School District No. 28 | NB | Spring 2024 | No | Quesnel | \$ | 2024 |
|  | New Cloverley Elementary School | North Vancouver School District No. 44 | NB | Summer 2024 | No | North Vancouver | \$ | 2024 |
|  | Mission Senior Secondary School | Mission School District No. 75 | NB | Summer 2024 | Yes | Mission | \$\$ | 2026 |
|  | École La Vallée | Pemberton School District No. 48 | NB | Fall 2024 | No | Pemberton | \$ | 2024 |
|  | Prince Rupert Middle School | Prince Rupert School District No. 52 | NB | Winter 2025 | No | Prince Rupert | \$ | 2025 |
|  | Tamanawis Secondary School | Surrey School District No. 36 | E | Summer 2025 | No | Surrey | \$ | 2025 |
|  | Guildford Park Secondary School | Surrey School District No. 36 | E | Fall 2025 | No | Surrey | \$ | 2025 |
|  | Olympic Village Elementary School | Vancouver School District No. 39 | NB | Spring 2026 | No | Vancouver | \$ | 2027 |



▶ Burke Mountain Secondary School concept rendering



▶ John Hart Seismic Upgrade – Silt Curtain Installation











▶ Iona Treatment Plant concept rendering

Pre-Procurement

| SECTOR | PROJECT | OWNER | TYPE | PROCUREMENT START (ANTICIPATED) | IBC INVOLVED | LOCATION | CAPITAL COST | CONSTRUCTION START (ANTICIPATED) |
|--------|---|-----------------|------|---------------------------------|--------------|----------------------------|--------------|----------------------------------|
| ⚡ | John Hart Dam Seismic Upgrade - Spillway Gates System Supply & Install ³ | BC Hydro | R | 2025 | No | Vancouver Island | \$ | 2027-2029 |
| ⚡ | NW Langley WWTP Liquids Facilities Construction | Metro Vancouver | E | 2025 | No | Langley | \$\$\$ | Q4 2025 |
| ⚡ | NW Langley WWTP Solids Facilities Construction | Metro Vancouver | E | 2025 | No | Langley | \$\$\$ | 2026 |
| ⚡ | NW Langley WWTP Outfall Construction | Metro Vancouver | E | 2026 | No | Langley | \$ | 2027 |
| ⚡ | North Surrey Interceptor Flow Management Tank | Metro Vancouver | NB | 2025 | No | Surrey | \$ | 2025 |
| ⚡ | Annacis Island WWTP Stage 5, Phase 2 | Metro Vancouver | E | Q4 2025 | No | Delta | \$\$ | 2026 |
| ⚡ | Iona Island WWTP Secondary Treatment Upgrade - Ground Improvements | Metro Vancouver | NB | Q1 2024 | No | Richmond (Iona Island) | \$\$\$\$ | 2025 |
| ⚡ | Iona Island WWTP Secondary Treatment Upgrade - WWTP | Metro Vancouver | NB | Q1 2027 | No | Richmond (Iona Island) | \$\$\$\$ | 2028 |
| ⚡ | Cambie Richmond Water Supply Tunnel Construction | Metro Vancouver | NB | 2028 | No | Vancouver & Richmond | \$\$ | 2029 |
| ⚡ | Regional Biosolids Dryer | Metro Vancouver | NB | 2026 | No | Delta | \$\$ | 2029 |
| ⚡ | Haney Main No. 4 West | Metro Vancouver | NB | Q4 2026 | No | Coquitlam & Port Coquitlam | \$ | Q2 2027 |
| ⚡ | Stoney Creek Sanitary Trunk Sewer | Metro Vancouver | NB | 2025 | No | Burnaby | \$ | 2025 |
| ⚡ | Coquitlam Main No. 4 - City Centre Tunnel Section | Metro Vancouver | NB | 2025 | No | Coquitlam & Port Coquitlam | \$\$ | 2026 |
| ⚡ | WTE Facility District Energy - Construction | Metro Vancouver | NB | Q4 2024 | No | Vancouver & Burnaby | \$ | 2025 |

³ Design Bid Build with ECI

Active Procurement

| SECTOR | PROJECT | OWNER | TYPE | RFQ ISSUE | RFP ISSUE | IBC INVOLVED | LOCATION | CAPITAL COST | CONSTRUCTION (ANTICIPATED) |
|---|--|---|------|--------------|---------------|--------------|----------------------|--------------|----------------------------|
|  | Marpole Transit Centre | TransLink | NB | 2023 | — | No | Vancouver | \$\$ | 2023 |
|  | Belleville Terminal Replacement | Min. of Transportation & Infrastructure | NB | October 2023 | March 2024 | Yes | Victoria | \$\$ | Late 2024 |
|  | Highway 1 R.W. Bruhn Bridge | Min. of Transportation & Infrastructure | NB | Spring 2024 | — | Yes (RFQ) | Sicamous | \$\$ | Summer 2024 |
|  | Highway 1 Fraser Valley Corridor Improvements - 264th to Mt. Lehman Road | Min. of Transportation & Infrastructure | E | August 2023 | December 2023 | Yes | Langley & Abbotsford | \$\$\$\$ | Summer 2024 |
|  | Highway 1 Selkirk Mountain | Min. of Transportation & Infrastructure | E | Fall 2023 | — | No | Revelstoke & Golden | \$ | Spring 2024 |
|  | Highway 1 Jumping Creek to MacDonald | Min. of Transportation & Infrastructure | E | Summer 2023 | November 2023 | Yes | Revelstoke & Golden | \$\$ | Summer 2024 |
|  | Highway 8 Corridor Reinstatement | Min. of Transportation & Infrastructure | R | — | March 2024 | Yes | Spences Bridge | \$\$ | Spring 2025 |
|  | Fraser River Tunnel | Min. of Transportation & Infrastructure | NB | Summer 2023 | October 2023 | Yes | Richmond & Delta | \$\$\$\$ | Early 2026 |



▶ Hwy 1 Fraser Valley Corridor Improvements



▶ Marpole Transit Centre concept rendering

Active Procurement

| SECTOR | PROJECT | OWNER | TYPE | RFQ ISSUE | RFP ISSUE | IBC INVOLVED | LOCATION | CAPITAL COST | CONSTRUCTION (ANTICIPATED) |
|--------|--|---------------------------------|------|-------------|-------------|--------------|------------------------|--------------|----------------------------|
| ⚡ | Ladore Spillway Gates Upgrade - Hydro-mechanical Supply & Install ³ | BC Hydro | R | 2023 | 2023 | No | Vancouver Island | \$\$ | 2025-2029 |
| ⚡ | Strathcona Discharge Upgrade - Low Level Outlet & Spillway Conversion ³ | BC Hydro | R | 2024 | 2024 | No | Vancouver Island | \$\$ | 2025-2028 |
| ⚡ | Bridge River 1 Strip & Recoat Penstock 1-4 - Recoating & Modification | BC Hydro | R | 2024 | 2024 | No | Southern Interior | \$ | 2026-2030 |
| ⚡ | Seton Bypass - Bypass Construction ³ | BC Hydro | NB | 2024 | — | No | Southern Interior | \$ | 2026-2028 |
| ⚡ | Stanley Park Water Supply Tunnel Construction | Metro Vancouver | NB | Q4 2023 | — | No | Vancouver | \$\$ | Q3 2024 |
| ⚡ | Iona Island WWTP Existing Asset Rehabilitation | Metro Vancouver | R | 2024 | — | No | Richmond (Iona Island) | \$\$ | 2025 |
| 🎓 | University of Victoria Engineering Expansion | UVic | NB/E | Spring 2024 | — | No | Victoria | \$ | 2024-2026 |
| 🎓 | BCIT Trades & Technology Complex | BCIT | NB | Fall 2023 | Spring 2024 | No | Burnaby | \$\$ | 2024-2027 |
| 🎓 | Vancouver Island University Student Housing | Vancouver Island University | NB | Spring 2024 | Summer 2024 | No | Nanaimo | \$ | 2024-2026 |
| 🎓 | University of the Fraser Valley Student Housing | University of the Fraser Valley | NB | Spring 2023 | Fall 2023 | No | Abbotsford | \$ | 2023-2025 |

³ Design Bid Build with ECI

QUICK FACT

Services provided by Infrastructure BC include project planning, including procurement analysis (Concept Plans, Business Cases); Procurement Management; Design and Construction Oversight outside of transportation; Contract Administration, and Project Communications Support.













▶ John Hart Dam Seismic Upgrade



▶ Bridge River 1 Strip & Recoat Penstock 1-4

Active Procurement

| SECTOR | PROJECT | OWNER | TYPE | RFQ ISSUE | RFP ISSUE | IBC INVOLVED | LOCATION | CAPITAL COST | CONSTRUCTION (ANTICIPATED) |
|---|--|---------------------------------|------|----------------|--------------|--------------|----------------|--------------|----------------------------|
|  | Vancouver Community College Automotive Innovation | Vancouver Community College | NB | Fall 2023 | — | No | Vancouver | \$\$ | 2024-2027 |
|  | Pineview Valley Elementary | Kamloops School District No. 73 | NB/E | Spring 2024 | — | No | Kamloops | \$ | 2024 |
|  | Centre for Children & Youth with Health Complexity | Provincial Health Services | NB | May 2023 | October 2023 | Yes | Vancouver | \$\$ | 2025 |
|  | Abbotsford Long-Term Care | Fraser Health | NB | August 2023 | January 2024 | No | Abbotsford | \$\$ | 2025 |
|  | Delta Long-Term Care | Fraser Health | NB | August 2023 | January 2024 | No | Delta | \$\$ | 2025 |
|  | Western Communities Long-Term Care | Island Health | NB | July 2023 | January 2024 | No | Colwood | \$\$ | 2025 |
|  | Campbell River Long-Term Care | Island Health | NB | July 2023 | January 2024 | No | Campbell River | \$\$ | 2025 |
|  | Nanaimo Long-Term Care | Island Health | NB | July 2023 | January 2024 | No | Nanaimo | \$\$ | 2025 |
|  | Kamloops Cancer Centre | Interior Health | NB/R | February 2024 | July 2024 | Yes | Kamloops | \$\$ | 2025 |
|  | Burnaby Hospital Phase 2 and BC Cancer Centre | Fraser Health | NB/R | September 2023 | January 2024 | Yes | Burnaby | \$\$\$\$ | 2027 |



▶ VCC Centre for Clean Energy & Automotive Innovation concept rendering



▶ Centre for Children & Youth with Complex Needs concept rendering

For more information visit:
www.infrastructurebc.com

For information on projects with
Infrastructure BC involvement, email:
kathy.cloutier@infrastructurebc.com

For all others please contact the
project owner directly.

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and published semi-annually. Any public sector body in
British Columbia may provide projects to Infrastructure BC
for inclusion in future brochure versions.



▶ Fraser River Tunnel concept rendering

