

BC Major Infrastructure Projects Brochure Spring 2021

The BC Major Infrastructure Projects Brochure is for projects that are \$50 million and above and 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 construction industry.



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 semi-annually.

Any public sector body in British Columbia may provide projects to Infrastructure BC for inclusion in future brochure versions.










Planning (not yet approved)

SECTOR	PROJECT	OWNER	PROJECT TYPE	PROCUREMENT START (ANTICIPATED)	IBC INVOLVED YES or NO	LOCATION	CAPITAL COST	CONSTRUCTION (ANTICIPATED)
	John Hart Dam Seismic Upgrade ¹	BC Hydro	R	Procurement has not started	No	Vancouver Island	\$\$	2022
	Ladore Spillway Seismic Upgrade ¹	BC Hydro	R	Procurement has not started	No	Vancouver Island	\$\$	2024
	Strathcona Upgrade Discharge ¹	BC Hydro	R	Procurement has not started	No	Vancouver Island	\$\$	2024
	Peace to Kelly Lake Stations Sustainment ²	BC Hydro	R	Procurement has not started	No	Northern Interior	\$\$	2023
	Mainway Stations Upgrade ³	BC Hydro	R	Procurement started	No	Lower Mainland	\$	2023
	KSM Mine Load Interconnection	BC Hydro	R	Procurement has not started	No	Northern Interior	\$	2022
	Bridge River 1 Replace Units 1-4 Generators/Governors	BC Hydro	R	Procurement has not started	No	Lower Mainland	\$\$	2023
	Kootenay Canal Modernize Controls	BC Hydro	R	Procurement has not started	No	Southern Interior	\$	2024

¹ Design Bid Build with ECI

² Design Bid Build except work at Kennedy (KDY) and McLeese (MLS) capacitor controls and equipment upgrade to be Design Build

³ Design Bid Build except GIS and RIP BUS to be Design Build

	Burnaby Hospital Phase 2	Fraser Health Authority	NB	Fall 2022	TBD	Burnaby	\$\$\$	2024-2027
	Richmond Hospital Redevelopment	Vancouver Coastal Health Authority	NB / R	Fall 2022	Yes	Richmond	\$\$\$	2024-2028
	Slocan Street Redevelopment	Vancouver Coastal Health Authority	NB	Fall 2022	Yes	Vancouver	\$\$	2024-2027
	UHNBC New Acute Care Tower	Northern Health Authority	NB	Summer 2022	Yes	Prince George	\$\$\$	2023-2027
	Vernon Jubilee Hosp. Psych. Inpatient Unit Replacement	Interior Health Authority	NB	TBD	TBD	Vernon	\$	TBD
	VGH OR Renewal Phase 2	Vancouver Coastal Health Authority	R	Spring 2022	Yes	Vancouver	\$\$	TBD
	Victoria Law Courts	Min. Citizens' Serv. & Min. Public Safety SG	NB / R	TBD	TBD	Victoria	\$\$	TBD
	Fort St. John Law Courts	Min. Citizens' Serv. & Min. Public Safety SG	NB/R/E	TBD	TBD	Fort St. John	\$	TBD
	EMBC Post-disaster Facility	Ministry of Citizens' Services	NB	TBD	TBD	Greater Victoria	\$	TBD

LEGEND

PROCUREMENT METHOD

DESIGN BUILD

DESIGN BID BUILD

DESIGN BUILD FINANCE

PROGRESSIVE DESIGN BUILD

CONSTRUCTION MANAGEMENT

ALLIANCE

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	PROJECT TYPE	PROCUREMENT START (ANTICIPATED)	IBC INVOLVED YES or NO	LOCATION	CAPITAL COST	CONSTRUCTION (ANTICIPATED)
EDUCATION	Westside Secondary	School District No. 23	NB	Summer 2023	TBD	Kelowna	\$	TBD
EDUCATION	Burke Mountain Secondary	School District No. 43	NB	Spring 2023	TBD	Coquitlam	\$	TBD
EDUCATION	University of Victoria (UVic) Engineering Expansion	UVic	NB / E	Spring 2021	No	Victoria	\$	2021-2023
EDUCATION	University of BC (UBC) School of Biomedical Engineering	UBC	NB	Spring 2022	No	Vancouver	\$	2022-2025
EDUCATION	BCIT Trades and Technology	BCIT	NB	2022	No	Burnaby	\$\$	2023-2025
EDUCATION	Douglas College (DOUG) Academic & Housing Building	Douglas College	NB	Spring 2022	No	New Westminster	\$\$	2022-2025
EDUCATION	North Island College (NIC) Student Housing	North Island College	NB	Spring 2022	No	Comox	\$	2022-2024
EDUCATION	Capilano University (CAPU) Student Housing	Capilano University	NB	Fall 2021	No	North Vancouver	\$	2022-2024
EDUCATION	University of the Fraser Valley (UFV) Student Housing	UFV	NB	Early 2022	No	Abbotsford	\$	2022-2023
ACCOMMODATION	Royal BC Museum Redev. Project Museum Project	Min. of Tourism, Arts, Culture and Sport	TBD	TBD	Yes	Victoria	\$\$\$	TBD
TRANSPORTATION	Capstan Station	TransLink	NB	Summer 2021	No	Richmond	\$	2021-2022
TRANSPORTATION	Marpole Transit Centre	TransLink	NB	Fall 2023	No	Vancouver	\$\$	2023-2025
TRANSPORTATION	Hwy. 99 George Massey Crossing (GMC) and corridor improvements	Min. of Transportation & Infrastructure	NB	2022-2024 depending on option	Yes	Richmond Delta	\$\$\$\$	Option/Procure. Dependent
TRANSPORTATION	Hwy. 1 widening 264th Street to Whatcom	Min. of Transportation & Infrastructure	E	TBD	TBD	Langley Abbotsford	\$\$\$\$	TBD
TRANSPORTATION	Surrey Langley SkyTrain	Min. of Transportation & Infrastructure	NB	TBD	Yes	Surrey Langley	\$\$\$\$	TBD



UVic Engineering Expansion Project – Artist rendering, looking East from Ring Road at the proposed expansion to the Engineering and Computer Science Building.



Capilano University Student Housing – Artist rendering by HDR Architecture Associates, Inc. (December 2020)

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EXPANSION E

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Pre-Procurement

SECTOR	PROJECT	OWNER	PROJECT TYPE	PROCUREMENT START (ANTICIPATED)	IBC INVOLVED YES or NO	LOCATION	CAPITAL COST	CONSTRUCTION (ANTICIPATED)
	G.M. Shrum G1 to 10 Control System Upgrade	BC Hydro	R	In Progress	No	Northern Interior	\$	2017
	Mount Lehman Substation Upgrade	BC Hydro	E	2020 (start)	No	Lower Mainland	\$	2019
	Capilano Substation Upgrade	BC Hydro	E	2020 (start)	No	Lower Mainland	\$	2019
	5L063 Telkwa Relocation	BC Hydro	R	2019 (start)	No	Northern Interior	\$	2020
	Sperling Metalclad Switchgear Feeder Section Replacement	BC Hydro	R	2021 (start)	No	Lower Mainland	\$	2020
	New Surrey Hospital & Cancer Centre	Fraser Health Authority	NB	Fall 2021	Yes	Surrey	\$\$\$\$	2023-2027
	Royal BC Museum Collections & Research Building Project	Min. of Tourism, Arts, Culture and Sport	NB	June 2021	Yes	Colwood	\$	2022-2024
	Burrard Station Upgrades	TransLink	R / E	Summer 2021	No	Vancouver	\$	2022-2023
	Hwy. 1 Ford to Tappen	Min. Transport. & Infrastructure	E	Fall 2021	No	Salmon Arm	\$	Early 2022
	Hwy. 17 Keating Cross Road - Flyover Road	Min. Transport. & Infrastructure	E	Winter 2021-2022	TBD	Central Saanich	\$	Spring 2022
	Hwy. 7 266 Street to 267 Street - 4-laning	Min. Transport. & Infrastructure	E	Early 2022	Yes	Whonnock	\$	Spring 2022
	Hwy. 1 Jumping Creek to Macdonald	Min. Transport. & Infrastructure	E	Early 2022	Yes	Revelstoke	\$	Winter 2022-2023
	Burnaby Lake North Interceptor – Winston Street Tunnel	Metro Vancouver	NB	2021	No	Burnaby	\$	Summer/Fall 2021
	Northwest Langley Wastewater Treatment Plant – Liquid Treatment	Metro Vancouver	NB	Fall 2021	No	Langley	\$	Early 2022
	Northwest Langley Wastewater Treatment Plant – Solids Treatment	Metro Vancouver	NB	Spring 2022	No	Langley	\$	Fall 2022



Master plan of the Royal Bay development in Colwood, with the location of the Royal BC Museum Collections and Research Building highlighted.



BC Hydro's G.M. Shrum Generating Station is located next to the W.A.C. Bennett Dam.

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Active Procurement

SECTOR	PROJECT	OWNER	PROJECT TYPE	RFQ ISSUE	RFP ISSUE	IBC INVOLVED YES or NO	LOCATION	CAPITAL COST	CONSTRUCTION (ANTICIPATED)
EDUCATION	BCIT Student Housing Tall Timber House	BCIT	NB	Spring 2021	Spring 2022	No	Burnaby	\$	2022-2024
EDUCATION	Okanagan College Student Housing	Okanagan College	NB	Summer 2021	TBD	No	Kelowna, Vernon, Salmon Arm	\$	2021-2024
EDUCATION	Cowichan Secondary Seismic Upgrade	School District No. 79	R	Summer 2020	Fall 2021	Yes	Duncan	\$	2021-2024
ENERGY & UTILITIES	Natal 60 - 138kV Switchyard Rebuild	BC Hydro	R	Started	TBD	No	Southern Interior	\$	2023
HEALTH	Burnaby Hospital Redevelopment Phase 1 ⁴	Fraser Health Authority	NB/R/E	Dec 2019	June 2020	Yes	Burnaby	\$\$\$	2021-2025
HEALTH	Cariboo Memorial Hospital Redevelopment	Interior Health Authority	R/E	Apr 2020	Oct 2020	Yes	Williams Lake	\$	2022-2024
HEALTH	Cowichan District Hospital Replacement	Vancouver Island Health Authority	NB	Dec 2020	April 2021	Yes	North Cowichan	\$\$\$	2022-2026
HEALTH	Mills Memorial Hospital Redevelopment	Northern Health Authority	NB	July 2019	Feb 2020	Yes	Terrace	\$\$\$	2021-2025
HEALTH	Stuart Lake Hospital Replacement	Northern Health Authority	NB	April 2020	August 2020	Yes	Fort St. James	\$	2022-2024
HEALTH	Dawson Creek & District Hospital Replacement	Northern Health Authority	NB	Oct 2020	Feb 2021	Yes	Dawson Creek	\$	2022-2026
TRANSPORTATION	Edmonds Skytrain Ops. & Maint. Ctr. Upgrades (OMC1&2)	TransLink	E	-	May 2020	No	Burnaby	\$	2021-2023
TRANSPORTATION	New Skytrain Operations & Maintenance Centre (OMC4)	TransLink	NB	-	Dec. 2021 (TBD)	No	Coquitlam	\$\$\$	2021-2025
TRANSPORTATION	New Skytrain Operations & Maintenance Centre (OCC2)	TransLink	NB	-	April 2021	No	Burnaby	\$	2021-2024
TRANSPORTATION	Hwy. 1 216th Street to 264th Street	Min. of Transport. & Infrastructure	E	Tender Winter 2021-2022	-	Yes	Langley	\$	Spring 2022
TRANSPORTATION	Hwy. 1 Bruhn Bridge & Old Spall Rd.	Min. of Transport. & Infrastructure	E	Tender early 2022	-	Yes	Sicamous	\$	Summer 2022
TRANSPORTATION	Hwy. 1 Salmon Arm West 10th Avenue SW to 10	Min. of Transport. & Infrastructure	E	Tender Winter 2022-2023	-	Yes	Salmon Arm	\$	Spring 2023

⁴ Design Build Finance and Construction Management



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.