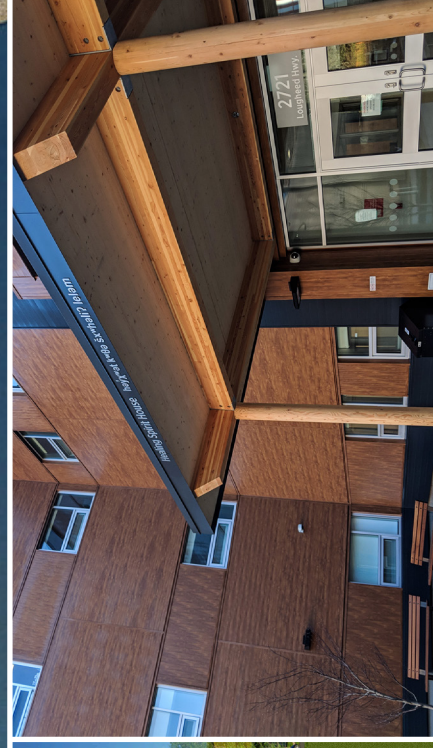


# BC Major Infrastructure Projects Brochure Spring 2021

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

### RFO

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

### RFI

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 <sup>1</sup>	BC Hydro	R	Procurement has not started	No	Vancouver Island	\$\$	2022
⚡	Ladore Spillway Seismic Upgrade <sup>1</sup>	BC Hydro	R	Procurement has not started	No	Vancouver Island	\$\$	2024
⚡	Strathcona Upgrade Discharge <sup>1</sup>	BC Hydro	R	Procurement has not started	No	Vancouver Island	\$\$	2024
⚡	Peace to Kelly Lake Stations Sustainment <sup>2</sup>	BC Hydro	R	Procurement has not started	No	Northern Interior	\$\$	2023
⚡	Mainway Stations Upgrade <sup>3</sup>	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

<sup>1</sup> Design Bid Build with ECI

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

<sup>3</sup> 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

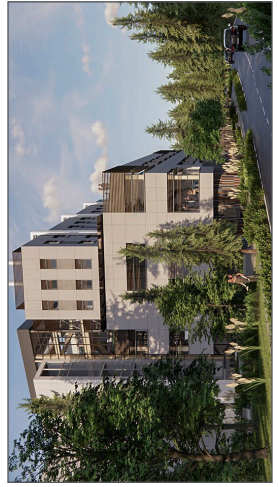


# Planning (not yet approved)

## LEGEND

PROCUREMENT METHOD	
DESIGN BUILD	
DESIGN BID BUILD	
DESIGN BUILD FINANCE	
PROGRESSIVE DESIGN BUILD	
CONSTRUCTION MANAGEMENT	
ALLIANCE	
TO BE DETERMINED	
SECTOR	ICON
EDUCATION	
ACCOMMODATION	
ENERGY & UTILITIES	
HEALTH	
TRANSPORTATION	
PROJECT TYPE	ABBREVIATION
NEW BUILD	NB
RENOVATION	R
EXPANSION	E
CAPITAL COST	ABBREVIATION
\$	\$50-\$150 MILLION
\$	\$150-\$500 MILLION
\$\$\$	\$500-\$1000 MILLION
\$\$\$\$	>\$1000 MILLION

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

**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
RENOVATION
EXPANSION

**CAPITAL COST**

\$
\$50-\$150 MILLION
\$500-\$1000 MILLION
>\$1000 MILLION

**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.

# Active Procurement

LEGEND	
PROCUREMENT METHOD	
DESIGN BUILD	[Blue background]
DESIGN BID BUILD	[Yellow background]
DESIGN BUILD FINANCE	[Purple background]
PROGRESSIVE DESIGN BUILD	[Green background]
CONSTRUCTION MANAGEMENT	[Light yellow background]
ALLIANCE	[Light orange background]
TO BE DETERMINED	[Light green background]
SECTOR	ICON
EDUCATION	[School icon]
ACCOMMODATION	[Home icon]
ENERGY & UTILITIES	[Lightning bolt icon]
HEALTH	[Cross icon]
TRANSPORTATION	[Train icon]
PROJECT TYPE	ICON
NEW BUILD	[Train icon]
RENOVATION	[R icon]
EXPANSION	[E icon]
CAPITAL COST	ICON
\$	[\$50-\$150 MILLION]
\$\$	[\$150-\$500 MILLION]
\$\$\$	[\$500-\$1000 MILLION]
\$\$\$\$	[>\$1000 MILLION]

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

<sup>4</sup> Design Build Finance and Construction Management



Infrastructure BC



BRITISH COLUMBIA



TRANS LINK



BC Hydro  
Power smart



metrovancouver  
SERVICES AND SOLUTIONS FOR A LIVABLE REGION

For more information visit: [www.infrastructurebc.com](http://www.infrastructurebc.com)  
 For information on projects with Infrastructure BC involvement, email [kathy.cloutier@infrastructurebc.com](mailto:kathy.cloutier@infrastructurebc.com); for all others please contact the project owner directly.

From Cllr. Alexa Loo & Cllr. Linda McPhail:

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## **Richmond Hospital Acute Care Tower replacement project**

### Recommendation

- (1) That Council write to the Premier, Minister of Health and the Minister of Finance and ask for Treasury Board approval of the Business Plan and confirmation of the funding for the new Acute Care Tower in Richmond; and
- (2) cc Richmond MLAs, Vancouver Coastal Health Board and the Richmond Hospital Foundation; and
- (3) That Council invite the Richmond MLAs to a meeting to discuss the funding and timeline for the Richmond Hospital upgrade

### Background:

- Jun., 2016 – the Province announced it had approved the first phase of planning for a new Acute Care Tower, the Concept Plan
- Jan., 2017 – the board of Vancouver Coastal Health approved the plan and submitted to the Ministry of Health
- Mar. 6, 2017 – Richmond Hospital Foundation presentation at General Purposes Committee. Link to minutes and Richmond Hospital Foundation presentation  
[https://www.richmond.ca/cityhall/council/agendas/gp/2017/030617\\_minutes.htm](https://www.richmond.ca/cityhall/council/agendas/gp/2017/030617_minutes.htm)
- Mar. 13, 2017 -Richmond Council wrote to the Premier, Minister of Health, Minister of Finance, Richmond MLA's, the Leader of the Opposition and Vancouver Coastal Health (see attached)
- Mar. 29, 2018 – Premier Horgan announced the approval of the Concept Plan for the new Acute Care Tower and the move forward to the Business Plan stage
- Jul. 2, 2020 – Premier Horgan and Health Minister Dix, at a visit to Richmond Hospital, announced an expanded scope for the project which included new a Medical Imaging Centre and new Emergency Department to be included in the Plan
- Nov. 2020 - Business Plan approved by Vancouver Coastal Health and submitted to the government
- Apr.20, 2021 - provincial budget announcement is silent on new Acute Care Tower
- May 10, 2021 – the Richmond Hospital Foundation announces that their ACT NOW capital campaign for a new acute care tower officially reached its \$50 million goal ( see attached letter)

We know that the existing Richmond Hospital North Tower structure has significant structural deficiencies and there is no doubt about the urgency for a new Acute Care tower.

On behalf of the residents of the city of Richmond, we need to again urge the provincial government to advance and fund this critically important project.





City of  
Richmond

TO: MAYOR & EACH  
COUNCILLOR  
FROM: CITY CLERK'S OFFICE

01-0155-03-02

XR-01-0150-22-HEAL1  
" - OPRE1

Malcolm D. Brodie  
Mayor

6911 No. 3 Road  
Richmond, BC V6Y 2C1  
Telephone: 604-276-4123  
Fax No: 604-276-4332  
www.richmond.ca

March 13, 2017

The Honourable Christy Clark  
Premier of British Columbia  
PO Box 9041 STN PROV GOVT  
Victoria, BC V8W 9E1

Dear Premier Clark:

**Re: Acute Care Tower at Richmond Hospital**

At the Regular Council meeting held on Monday, March 13, 2017, Richmond City Council considered the above matter and adopted the following resolution:

*That a letter be written to the Premier, the Minister of Health, the Minister of Finance, Richmond MLAs, the Leader of the Opposition and Vancouver Coastal Health calling on the provincial government to commit to a new hospital tower to replace the north tower in Richmond.*

Recently, the Richmond Hospital Foundation presented before City Council on the urgent need for a new acute care tower at Richmond Hospital. In their presentation, the Foundation identified concerns that the original hospital tower, built in 1996 is now more than 50 years old, no longer seismically stable and that the infrastructure of the current tower is obsolete.

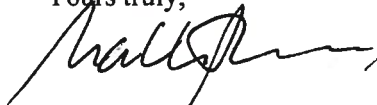
They also presented that the operating rooms are built below the flood plain and are too small to accommodate today's medical equipment. Moreover, the current standard in hospitals is to have 80% single occupancy rooms for infection control purposes whereas Richmond Hospital currently has triple and quadruple occupancy rooms with merely ten percent being single occupancy.

Hospitals across British Columbia are receiving funding and being upgraded. Although the government has announced major capital health infrastructure investments, the concept plan for a new acute care tower has yet to be approved. Given the extensive growth the City has seen over the years, it is critical that the north tower at Richmond Hospital be replaced.

Richmond City Council respectfully requests that the government immediately commit to replacing the north tower, approve the concept plan submitted to the Ministry of Health and immediately fund the business plan stage so that Vancouver Coastal Health may quickly advance the proposed project.

We look forward to receiving this urgently needed information. Should you have any questions or wish to discuss the matter, please contact me directly or Cathryn Volkering Carlile, General Manager, Community Services, at 604-276-4068.

Yours truly,



Malcolm D. Brodie  
*Mayor*

pc: Richmond City Councillors  
The Honourable Terry Lake, Minister of Health  
The Honourable Michael de Jong, Minister of Finance  
The Honourable, Linda Reid, MLA, Richmond East  
The Honourable Teresa Wat, MLA, Richmond Centre  
John Yap, MLA, Richmond-Steveston  
John Horgan, Leader of the Opposition  
Kip Woodward, Chair, Vancouver Coastal Health Board  
Richmond Hospital Foundation  
SMT





May 10, 2021

His Worship Mayor Malcolm Brodie and City Councillors  
City of Richmond  
6911 No. 3 Road  
Richmond BC V6Y 2C1

Dear Mayor Brodie and Councillors:

**RE: ACT NOW Capital Campaign Completion**

On behalf of Richmond Hospital Foundation I am pleased to inform you that we will be announcing later this week that our ACT NOW capital campaign for a new acute care tower has officially reached its \$50 million goal.

This is an incredibly historic achievement for Richmond, and it demonstrates how deeply this community believes in our local health care, for now and for future generations.

On behalf of the Foundation, I would like to thank you all for your leadership over the years to speak out and advocate for the need to build this new tower as quickly as possible.

On a separate note, while we are grateful to the Province for bringing the project to its current stage, we are still waiting for the final approval of the Business Plan by Treasury Board and an announcement by the Premier to the people of Richmond. This remains a critical milestone that has not yet been completed and will facilitate the project continuing to move forward. We encourage you to continue to raise your voice on behalf of the people of Richmond. Any assistance and leadership you can provide will, of course, be appreciated.

Thank you again for your exemplary leadership over the years.

Sincerely,

Natalie D. Meixner, ICD.D  
President & CEO  
Richmond Hospital Foundation

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Director (Ex-Officio)**  
President & CEO  
Richmond Hospital Foundation