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**General Purposes Committee**

**Council Chambers, City Hall  
6911 No. 3 Road**

**Monday, January 17, 2022  
4:00 p.m.**

Pg. #      ITEM

MINUTES

**GP-3**      *Motion to adopt the **minutes** of the meeting of the General Purposes Committee held on January 5, 2022.*



PLANNING AND DEVELOPMENT DIVISION

1. **CAPSTAN STATION INTEGRATION STRATEGY -  
RECOMMENDATION TO AWARD CONTRACT FOR  
DEVELOPMENT OF CONCEPTUAL DESIGNS**  
(File Ref. No. 02-0775-50-7237) (REDMS No. 6773242)

**GP-6**

**See Page GP-6 for full report**

*Designated Speaker: Sonali Hingorani*

STAFF RECOMMENDATION

- (1) *That Contract 7237P Capstan Station Integration - Development of Conceptual Designs estimated at \$482,340.00 be awarded to Dialog Design;*

- (2) *That the City enter into an agreement with Dialog Design based on the terms as outlined in the staff report titled “Capstan Station Integration Strategy - Recommendation to Award Contract for Development of Conceptual Designs” dated December 13, 2021 from the Director, Transportation; and*
- (3) *That the Chief Administrative Officer and General Manager, Planning and Development, be authorized to execute the above agreement on behalf of the City.*



## ENGINEERING AND PUBLIC WORKS DIVISION

### 2. **2021 RICHMOND BEE CITY CANADA CERTIFICATION APPLICATION**

(File Ref. No. 10-6160-06) (REDMS No. 6595699)

GP-14

See Page GP-14 for full report

*Designated Speaker: Chad Paulin*

#### STAFF RECOMMENDATION

*That the application, as described in the report titled ‘2021 Richmond Bee City Canada Certification Application,’ from the Director, Sustainability and District Energy, dated December 14, 2021, be endorsed and submitted to Pollinator Partnership Canada.*



#### ADJOURNMENT





## General Purposes Committee

Date: Wednesday, January 5, 2022

Place: Council Chambers  
Richmond City Hall

Present: Mayor Malcolm D. Brodie, Chair  
Councillor Chak Au  
Councillor Carol Day (by teleconference)  
Councillor Andy Hobbs  
Councillor Alexa Loo (by teleconference)  
Councillor Bill McNulty  
Councillor Linda McPhail (by teleconference)  
Councillor Harold Steves (by teleconference)  
Councillor Michael Wolfe (by teleconference)

Call to Order: The Chair called the meeting to order at 4:00 p.m.

### MINUTES

It was moved and seconded

*That the minutes of the meeting of the General Purposes Committee held on December 13, 2022, be adopted as circulated.*

**CARRIED**

### DELEGATION

1. With the aid of a PowerPoint presentation (copy on-file City Clerk's Office), Jeffrey Busby, TransLink, presented on the Capstan Station Progress, noting that construction commenced on August 2021 and that TransLink is collaborating with the City to minimize any potential impacts and construction noise.

**General Purposes Committee**  
**Wednesday, January 5, 2022**

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Discussion ensued with regard to the public consultation process and public input suggesting increased accessibility and cycling amenities. In reply to queries, Mr. Busby noted that TransLink has considered the public comments and will be focusing on the construction phase of the project.

## COMMUNITY SAFETY DIVISION

2. **HOUSEKEEPING AMENDMENTS FOR PARKING (OFF-STREET) REGULATION BYLAW NO. 7403 AND CONSOLIDATED FEES BYLAW NO. 8636**

(File Ref. No. 11-7000-01; 12-8060-20-010341/10342) (REDMS No. 6804655)

It was moved and seconded

*That the following amendment bylaws are introduced and given first, second and third readings:*

(1) *Parking (Off Street) Regulation Bylaw No. 7403, Amendment Bylaw No. 10341; and*

(2) *Consolidated Fees Bylaw 8636, Amendment Bylaw No. 10342.*

The question on the motion was not called as discussion with regard to parking on-site, and in reply to queries, staff noted that Curling Club members will have access to parking passes and that the City has consulted with the on-site restaurant on parking access for patrons.

The question on the motion was then called, and it was **CARRIED**.

## ADJOURNMENT

It was moved and seconded

*That the meeting adjourn (4:15 p.m.).*

**CARRIED**

**General Purposes Committee**  
**Wednesday, January 5, 2022**

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Certified a true and correct copy of the Minutes of the meeting of the General Purposes Committee of the Council of the City of Richmond held on Wednesday, January 5, 2022.

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Mayor Malcolm D. Brodie  
Chair

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Evangel Biason  
Legislative Services Associate



# City of Richmond

## Report to Committee

**To:** General Purposes Committee

**Date:** December 13, 2021

**From:** Lloyd Bie, P.Eng.  
Director, Transportation

**File:** 02-0775-50-7237/Vol  
01

**Re:** **Capstan Station Integration Strategy - Recommendation to Award Contract  
for Development of Conceptual Designs**

### Staff Recommendation

1. That Contract 7237P Capstan Station Integration - Development of Conceptual Designs estimated at \$482,340.00 be awarded to Dialog Design;
2. That the City enter into an agreement with Dialog Design based on the terms as outlined in the staff report titled "Capstan Station Integration Strategy - Recommendation to Award Contract for Development of Conceptual Designs" dated December 13, 2021 from the Director, Transportation; and
3. That the Chief Administrative Officer and General Manager, Planning and Development, be authorized to execute the above agreement on behalf of the City.

Lloyd Bie, P.Eng.  
Director, Transportation  
(604-276-4131)

REPORT CONCURRENCE		
<b>ROUTED TO:</b>	<b>CONCURRENCE</b>	<b>CONCURRENCE OF GENERAL MANAGER</b>
Finance	<input checked="" type="checkbox"/>	
Arts, Culture & Heritage	<input checked="" type="checkbox"/>	
Parks Services	<input checked="" type="checkbox"/>	
Purchasing	<input checked="" type="checkbox"/>	
Development Applications	<input checked="" type="checkbox"/>	
Policy Planning	<input checked="" type="checkbox"/>	
<b>SENIOR STAFF REPORT REVIEW</b>	<b>INITIALS:</b> 	<b>APPROVED BY CAO</b> 

## Staff Report

### Origin

The approved 2020 Capital Plan includes the development of conceptual, preliminary and detailed designs for the Capstan Station Integration Strategy based on four general directions: Mobility Belt, Signature Elements, Supportive Infrastructure, and Coordinated Activation Zones. Following completion of a competitive bid process, this report recommends the award of a contract to Dialog Design for the development of the designs.

This report supports Council's Strategic Plan 2018-2022 Strategy #3 One Community Together:

*Vibrant and diverse arts and cultural activities and opportunities for community engagement and connection.*

*3.1 Foster community resiliency, neighbourhood identity, sense of belonging, and intercultural harmony.*

*3.2 Enhance arts and cultural programs and activities.*

This report supports Council's Strategic Plan 2018-2022 Strategy #4 An Active and Thriving Richmond:

*An active and thriving community characterized by diverse social and wellness programs, services and spaces that foster health and well-being for all.*

*4.3 Encourage wellness and connection to nature through a network of open spaces.*

This report supports Council's Strategic Plan 2018-2022 Strategy #6 Strategic and Well-Planned Growth:

*Leadership in effective and sustainable growth that supports Richmond's physical and social needs.*

*6.1 Ensure an effective OCP and ensure development aligns with it.*

*6.3 Build on transportation and active mobility networks.*

## Background

### Capstan Station Integration Strategy

The City Centre Area Plan envisions the Capstan Canada Line Station as an integral part of the Capstan Village Centre: a distinct and identifiable mixed use high-amenity multi-modal mobility hub and the village's principal focus for civic life, commercial activity, and community celebration. The concept of ground level integration of the station with adjacent developments (similar to Marine-Gateway Canada Line Station) was developed in consultation with TransLink in 2017 to enhance transit passenger experience and contribute to a vibrant downtown urban space.

There are prominent and diverse features in the vicinity of Capstan Station and the transit plaza that are dispersed and stand-alone, thereby lacking synergy with each other:

- Multiple mixed used and commercial developments at various stages
- Existing and future parks and trails, which provide opportunities for integration with the pedestrian and cycling network
- Waterfront and dike trail network
- Future community amenities including a new City Centre North Community Centre, Early Childhood Development Hub (completed and leased to operator), and a non-profit privately-owned youth/child arts facility (approved and under construction)
- Village Centre focused around the intersection of No. 3 Road and Capstan Way

The Capstan Station Integration Strategy (the Strategy) will involve a multi-stakeholder process to develop the connectivity, wayfinding, safety, convenience, identifiable landmarks, and programming to integrate the key elements of the area to create a cohesive and vibrant urban community. The engagement process will include the public, community groups, representatives of TransLink, and pending development applications in proximity to Capstan Station to ensure an integrated and coordinated approach.

Through voluntary developer contributions to date, the City has raised approximately \$38 million in the Capstan Station Reserve Fund (the Fund) towards the design and construction of Capstan Station and the Strategy. Of this amount, \$32.2 million has been transferred to TransLink for the design and construction of the station. The design was substantially completed in September 2021 and construction of the new station is underway with completion anticipated in 2023. The Capstan Station funding agreement was designed to deliver the funds to TransLink for station construction at approximately 50% build out with additional funds collected being used to fund other mobility improvements to support the City's transportation and modal split objectives through the Strategy.

The total budget to support the Strategy is estimated at \$24 million at full build-out through additional voluntary contributions to the Fund. The approved 2020 Capital Plan allocates \$500,000 for the development of the conceptual design of the Strategy features, which represents two percent of the estimated value of the project. As funding for the Strategy will accrue over time in addition to the current balance of \$6.1 million, a key component of the Strategy will be to develop an implementation, prioritization and phasing plan for the proposed design as funds become available.

Expenditure of the funds in the approved Capital Plan project for the Strategy with the recommended contract award for its development will allow the City to achieve:

- A cohesive public realm, including the transit plaza, City-owned park and public open space, with Capstan Station and the surrounding private development and public amenities including the City Centre North Community Centre
- Expansion of the use of active transportation city-wide to more destinations, including Talmey Elementary School that is within the neighbourhood's catchment, by facilitating connections to existing walking, cycling and rolling facilities
- Integration and support of city-wide strategies for trail and cycling networks



- A vision and an implementation plan to activate the public realm with community building programs focusing on the Capstan Neighbourhood
- Creation of a key community focal point for Capstan Village and the City Centre area
- A clear and distinct Capstan Village identity
- Wayfinding infrastructure (i.e., digitally-enabled and traditional signage)
- First-to-last kilometre connectivity through innovative and proven methods, including provision of flexible secured public bike storage, weather protected connections between travel modes and a multi-modal mobility hub. Multi-modal mobility hubs are key transportation network nodes designed to seamlessly integrate multiple travel modes, supportive infrastructure, and place making strategies with the aim of creating pedestrian-oriented centres.

## Analysis

### Procurement Process

Pre-qualified bidders were invited to respond to a Request for Proposals (RFP) solicitation that was issued August 11, 2021 and closed on September 14, 2021. Three submissions were received by the closing date from the following proponents:

- Dialog BC Architecture Engineering Interior Design Planning Inc. (Dialog Design)
- Happy City
- PFS Studio

### Evaluation Process

The proposals were evaluated by a staff team from Transportation, Parks, Development Applications, and Arts, Culture & Heritage based on the following evaluation criteria identified in the RFP:

- proponent's team structure
- qualifications and past projects
- detailed methodology and schedule
- scope of services
- financial performance
- value added services
- sustainability and circular economy

Table 1 is a summary of the financial proposals received and the scores awarded by the evaluation team.

Table 1: Summary of RFP Evaluation Results

Score	Dialog Design	Happy City	PFS Studio
Financial Proposal	\$482,340.00	\$473,500.00	\$784,894.00
Total Score	76.0%	63.2%	54.4%

The evaluation process resulted in Dialog Design being identified as the highest scoring proponent. Staff also conducted an interview with key project team members to further clarify

aspects of their proposal and confirm the proposed methodology that will be undertaken to complete the scope of work described in the RFP.

Although the proposal received from Happy City was the lowest priced submission, the past projects referenced by Dialog Design more closely match the scale and complexity of the Capstan Station Integration Study. The evaluation team also scored the project approach, methodology and overall coordination and management aspects higher for Dialog Design than Happy City.

The proposal from PFS Studio was not selected as the responses to the project methodology and project engagement have less detail than the other submissions, and higher financial cost was judged disproportionate to the deliverables.

#### *Proposed Project Design Approach*

For this project, Dialog Design has proposed a team with diverse skill sets that complement each other. Daily tous les jours, an art and design studio, specializing in urban interactive installations that stimulate human connections in public spaces, is part of the core team. This company will provide a lens towards urban animation and the use of technology in the design of the public realm to create interventions that catalyze activity in the station area and entice ongoing and future animation driven by the community.

Dialog Design's proposed team of professionals will help the community define and envision a place that meets the Strategy's objectives based on four directions: mobility belt, signature elements, supportive infrastructure, and coordinated activation zones. Dialog Design will analyze the site and the site context from the perspective of subject matter experts, including urban design, transportation, streetscape design, ecology, wayfinding, public art and more. The firm also proposes to meaningfully integrate important Indigenous voices and values into the design process. Dialog Design proposes an iterative design and engagement process to capture community ideas and set a path forward for implementation, operations, financial sustainability, and further refinement as needed.

Dialog Design has experience in large scale public realm projects that require programming and has identified the appropriate consideration of programming, marketing and branding will allow Capstan Station to achieve its full potential as a lively and vibrant destination public place. The team's experience developing programming strategies for public spaces, such as Bryant Park in New York City and Churchill Square in Edmonton, provides them the knowledge to realize year-round destinations from design to operation. Any proposed activation strategies are not to rely on City resources (staff, equipment and financial resources) to activate the space.

Specific to the requirements of the Strategy, Dialog Design has expertise in station design and integration, and has undertaken creative research into how the design of the public realm influences the experience of transit. The team also includes engagement specialists, registered landscape architects, planners, and architects to create a memorable and experiential public realm that will set the stage and the bar for community-led initiatives and activation in the future. Additional expertise in their team includes specialized support with last-kilometre solutions in transportation and Richmond-specific expertise in transportation, public art, and costing.

Dialog Designs will also work closely with staff to identify appropriate circular economy strategies, including ways to upcycle existing waste materials, minimize energy and water use, and strategic interventions that could support local small businesses.

### *Recommendation*

Following the proposal evaluation (Table 1), staff recommend that Dialog Design be awarded a contract to develop conceptual designs as part of the Strategy. Dialog Design will:

- Provide a multi-disciplinary urban design team to develop a comprehensive site integration plan for the Canada Line Capstan Station and its immediate surroundings
- Provide a comprehensive stakeholder and public engagement process. Dialog Designs will utilize a variety of traditional and digital engagement tools including stakeholder interviews, small focus-groups, online engagement and programming based outreach. Subject to provincial health guidelines, event opportunities to imagine unique ways to engage with the public in real-life situations will be pursued, including through pop-up engagement events.
- Develop and deliver three conceptual design options with cost estimates and the preferred conceptual design and cost
- Submit reports including a Quality Management plan, critical success factors, thesis, project goals and Community Wellbeing Framework metrics document and Risk Management Plan
- Develop and deliver activation, event programming, costing, phasing, and implementation strategies to activate the Capstan Station area
- Propose a suite of programs and site activation strategies that, together with the physical design features, will contribute towards a successful and vibrant downtown urban space
- Propose activation strategies considering how the space could be activated by community groups
- Create a Transportation Innovation Zone to maximize first-to-last kilometre connectivity

### *Proposed Project Timeline*

To properly plan for an inclusive Capstan Station Integration Strategy, Dialog Designs proposes a comprehensive design process that incorporates the unique features of the Capstan Village neighbourhood and involves stakeholder and public input as critical milestones in the delivery of the project. The proposed design development process includes engagement during three phases of the Strategy over a one year time frame to inform and create:

- (1) An initial understanding of site and context,
- (2) Three conceptual design options, and
- (3) A preferred option.

Table 2 provides a general timeline of the anticipated key milestones and tasks by Dialog Design for the development of the Strategy.

Table 2: Estimated Timeline and Tasks for Development of Strategy

Phase	Estimated Timing	Key Tasks by Dialog Design
Project Initiation	Q1 2022	<ul style="list-style-type: none"> <li>• Background Review + Data Inventory</li> <li>• Site Reconnaissance</li> <li>• Mobility Evaluation</li> <li>• Utilities Technical Evaluation</li> <li>• Opportunities + Constraints Analysis</li> <li>• Precedent Studies: Animation</li> </ul>
Stakeholder Consultation and Workshops	Q1 2022	<ul style="list-style-type: none"> <li>• Develop Tactical/ Community Engagement Plan</li> <li>• Identify Strategic Leadership Stakeholders</li> <li>• Identify Potential In-Situ Engagement Opportunities</li> <li>• Prepare Engagement Materials</li> </ul>
Conceptual Design Options	Q2 2022	<ul style="list-style-type: none"> <li>• Develop Concept Plan Options</li> <li>• Develop Draft Public Realm Plan</li> <li>• Outline Preliminary Implementation + Prioritization Strategy</li> <li>• Prepare Cost Estimate</li> <li>• Cost-Benefit Evaluation</li> <li>• Prepare Presentation Materials</li> </ul>
Report to Council	Q3 2022	• Input to City staff
Public Consultation and Open Houses		• Prepare Presentation Materials
Report to Council (3 options)	Q1 2023	• Input to City staff
Report to Council (preferred option and implementation plan)	Q2 2023	<ul style="list-style-type: none"> <li>• Finalize Preferred Concept</li> <li>• Finalize Implementation Plan</li> <li>• Prioritization Strategy + Action Plan</li> <li>• Prepare Final Conceptual Design Presentation Materials</li> </ul>

The Report to Council anticipated in the second quarter of 2023 will provide additional information on the phasing and implementation plan of the preferred integration strategy including construction costs and funding. A separate Capital Plan submission seeking Council approval for use of the Capstan Station Reserve Fund and the Public Art Reserve Fund for the future implementation of the Integration Strategy will be brought forward as part of the 2024 Capital Program. Currently, TransLink anticipates substantial completion of the Capstan Station in spring 2023, which will allow implementation of the Integration Strategy to commence after the station construction is completed.

### Financial Impact

Dialog Design's financial proposal is \$482,340. The approved 2020 Capital Plan allocates \$500,000 for the Capstan Station Integration Strategy with funding from the Capstan Station Reserve Fund.

### Conclusion

This report presents the summary results for Contract 7237P - Capstan Station Integration - Development of Conceptual Designs. Based on staff's review and evaluation, Dialog Design can

December 13, 2021

- 8 -

best deliver the scope of work described in the RFP. Staff recommend awarding a contract to Dialog Design.

A handwritten signature in black ink, appearing to read "Sonali Hingorani".

Sonali Hingorani, P. Eng.  
Transportation Engineer  
(604-276-4049)

SH:jc



# City of Richmond

## Report to Committee

**To:** General Purposes Committee  
**From:** Peter Russell  
Director, Sustainability and District Energy  
**Date:** December 14, 2021  
**File:** 10-6160-06/2021-Vol 01  
**Re:** 2021 Richmond Bee City Canada Certification Application

### Staff Recommendation

That the application, as described in the report titled '2021 Richmond Bee City Canada Certification Application,' from the Director, Sustainability and District Energy, dated December 14, 2021, be endorsed and submitted to Pollinator Partnership Canada.

Peter Russell  
Director, Sustainability and District Energy  
(604-276-4130)

Att. 1

REPORT CONCURRENCE		
<b>ROUTED TO:</b>  Parks Services	<b>CONCURRENCE</b>  <input checked="" type="checkbox"/>	<b>CONCURRENCE OF GENERAL MANAGER</b>  
<b>SENIOR STAFF REPORT REVIEW</b>	<b>INITIALS:</b> 	<b>APPROVED BY CAO</b> 

## Staff Report

### Origin

Pollinator Partnership Canada is a registered charity that is dedicated to the protection and promotion of pollinators and their ecosystems through conservation, education, and research. Bee City Canada is a voluntary membership program that is delivered by Pollinator Partnership Canada. The Bee City Program seeks membership, through certification, for organizations that are committed to promoting pollinator conservation.

The City has a long history of promoting pollinator conservation in the community. Many historical and existing community initiatives such as the Enhanced Pesticide Management Program, endorsed in 2009, align with the Bee City Canada program. This report outlines the program requirements, and recommends that an application to the program be endorsed and submitted to Pollinator Partnership Canada to achieve formal Bee City status.

This report supports Council's Strategic Plan 2018-2022 Strategy #1 A Safe and Resilient City:

*1.4 Foster a safe, caring and resilient environment.*

This report supports Council's Strategic Plan 2018-2022 Strategy #2 A Sustainable and Environmentally Conscious City:

*2.4 Increase opportunities that encourage daily access to nature and open spaces and that allow the community to make more sustainable choices.*

### Analysis

Pollinators are paramount for a stable and thriving natural environment, which is known to improve the physical and mental health of residents. Pollinators can connect people with nature and encourage healthy, clean food consumption and support local agriculture sectors. There is growing evidence that pollinator species such as bees and butterflies are in decline globally due to the pressures of human development.

#### Bee City Canada Designation

Pollinator Partnership Canada's mission is to inspire organizations, including Local Governments, to take action to protect pollinators. The Bee City Partner program was launched in 2017 and currently recognizes six Bee City members in BC and a total of 57 Bee City members in Canada working to protect pollinators. Through the program, all participants commit to:

1. Creating, maintaining and/or improving pollinator habitat;
2. Educating their community, employees and/or customers about the importance of pollinators; and
3. Celebrating pollinators during National Pollinator Week or at other times.

Council has long recognized the environmental and economic benefits of pollinators through the commitments above and has endorsed a variety of initiatives aimed at protecting Richmond's biodiversity, community wellness, and economic well-being. Staff are seeking endorsement to prepare and submit an application to Pollinator Partnership Canada to become designated as the seventh Bee City in BC. Participation in the Bee City program can further highlight the City's work to promote and develop habitat suitable for our local pollinators.

A detailed list of initiatives that align with the Bee City Partner program and make Richmond an ideal candidate for certification are provided in Attachment 1. A highlight of these pollinator-focused initiatives include:

- **Enhanced Pesticide Management Program** – Council adopted the Enhanced Pesticide Management Program and the *Pesticide Use Control Bylaw No. 8514* in 2009 to reduce the use of traditional pesticides for cosmetic purposes and reduce the potential impacts to various pollinating insects.
- **Ecological Network Management Strategy** – Council adopted the Ecological Network Management Strategy in September 2015 to manage and enhance Richmond's ecological assets including encouraging many opportunities to protect and/or enhance pollinator habitat.
- **Invasive Species Action Plan** – The Invasive Species Action Plan was adopted in 2015, and outlines strategic goals and objectives to prioritize pesticide-free management of invasive species that pose threats to community safety, civil infrastructure, and the local ecosystem.
- **Bees in the Bog** – A school program for children in kindergarten through Grade 3 that explores the behaviour, lifecycle, and some of the products of bees and pollinators in the Richmond Nature Park bog habitat.
- **Bridgeport Industrial Park Pollinator Pasture** – Council endorsed a partnership with Border Free Bees and Emily Carr University of Art and Design in 2015 to convert a 10,500 m<sup>2</sup> area of industrial land, into an artistic display of wildflowers to support local pollinator species.
- **Terra Nova Public Art Pollinator Meadow** – Council endorsed another partnership with Border Free Bees in 2018 to transform 2,200 m<sup>2</sup> of underutilized land space at the Terra Nova Rural Park into habitat for Pollinators.
- **Railway Greenway** – An ecological corridor, providing a link between the Middle and South Arm riparian areas of the Fraser River. The City planted 16,600 native tree and plant species along 5 kilometres of trail to restore natural habitat.
- **Riparian Response Strategy** – Council endorsed the Riparian Response Strategy in 2006 to protect local riparian habitat areas in Richmond. Council endorsed additional changes to the City's Riparian Response strategy in 2018 to promote community stewardship of Riparian Management Areas and to enhance these areas with native riparian species, including a pollinator seed blend.
- **Richmond Nectar Trail** – Council endorsed the development of the Richmond Nectar Trail in 2019. The Nectar Trail serves as a series of 'stepping stones', bridging the Bridgeport Pollinator Pasture and Terra Nova Pollinator Meadow to one another, and allowing pollinator species stopover points throughout the community.



### Next Steps

With Council endorsement, staff will prepare and submit the Bee City Canada application for Pollinator Partnership Canada's consideration, which will include the Bee City Canada application forms, a copy of this report and Council's resolution on this matter. If the application is approved by Pollinator Partnership Canada, Richmond will become a designated Bee City and commit to: celebrating the Bee City Status through public awareness activities such as signage in the community, website and social media highlights, and taking part in International Pollinator Week; continuing to support local pollinators through established and new City programs, and; submitting an annual report of pollinator related activities to Bee City Canada, as well as renewing the City's commitments to the program.

If endorsed, staff will provide regular updates to Council on this and other wildlife-related programs biannually through the Sustainability Progress Report, Ecological Network Management Strategy and the Invasive Species Action Plan updates.

### **Financial Impact**

None.

### **Conclusion**

Staff are seeking endorsement to prepare and submit an application to Pollinator Partnership Canada for Richmond to become designated as a Bee City. Certification in the program acknowledges Richmond's continued dedication to protect pollinators and pollinator habitat in the community. If endorsed, staff will prepare and submit the application to Pollinator Partnership Canada for their consideration and provide updates, as appropriate, when a decision is determined.



Chad Paulin, M.Sc., P.Ag.  
Manager, Environment  
(604-247-4672)

Att.1 – City of Richmond - Bee City Canada Application 2021



City of Richmond

# Bee City Canada Application

2021







Terra Nova Pollinator Meadow apiary and pollinator education structure

## BECOMING A CANADIAN BEE CITY

The City of Richmond has long recognized the environmental and economic benefits of a healthy ecological network and Council has endorsed a variety of initiatives that protect and promote Richmond's biodiversity including pollinators and pollinator habitat. The City is pleased to submit a formal application, herein, to be officially declared a 'Bee City' by Bee City Canada.

This application was prepared to summarize Richmond's community initiatives to promote and protect pollinators under two focus areas:

1. **The protection, creation, and enhancement of pollinator habitat in Richmond; and**
2. **Providing important information, public awareness, and promoting local learning opportunities regarding pollinators to the Community.**





Minoru Park

# PROTECTION, CREATION, AND ENHANCEMENT OF POLLINATOR HABITAT

## POLICIES

### **Ecological Network Management Strategy**

Council adopted the Ecological Network Management Strategy in 2015 to provide a framework for managing and guiding decisions regarding the city-wide system of natural areas and the ecosystem services they provide. Richmond's Ecological Network encompasses the whole city, but emphasizes the importance of large natural areas such as provincial Wildlife Management Areas, regional parks, and private lands with significant natural areas such as large wetlands or old fields.

### **Enhanced Pesticide Management Program**

The City's Enhanced Pesticide Management Program and the *Pesticide Use Control Bylaw No. 8514* were endorsed by Council in 2009 to reduce the use of traditional pesticides for cosmetic purposes. The program was a leading initiative in BC at that time, and continues to provide broad-based educational programming, support, and training to the community regarding the benefits of pesticide-free gardening techniques.



**72** Pesticide Free Gardening

Workshops were attended by

**1084** Richmond

residents in between 2018 and 2021



### Riparian Response Strategy

Council endorsed the Riparian Response Strategy in 2006 to protect local fish and fish habitat in Richmond. Riparian Management Area setbacks were assigned on minor (5 meter) and major (15 meter) designated watercourses that are wetted the majority of the time, have a source of ground and surface water, and flow into and support fish life in the Fraser River Estuary. Council endorsed additional changes to the City's Riparian Response Strategy in 2018 to promote community stewardship of Riparian Management Areas and to enhance these areas with native riparian species.

## KEY ACHIEVEMENTS

### Bridgeport Industrial Park Pollinator Pasture

Council endorsed a partnership with Border Free Bees and Emily Carr University of Art and Design in 2015 to convert a 10,500 square meter area of industrial land into an artistic display of wildflowers to support local pollinator species. Border Free Bees is a long-term public art initiative with the mission to create aesthetically pleasing and scientifically viable pollinator pastures in under-utilized urban areas. An apiary was also erected to educate community members about the significance of pollinators. The Bridgeport Pollinator Pasture has received the following recognition:

- The Pollinator Advocate Award was presented to Border Free Bees for increasing awareness of the importance of pollinators and pollination following the installation of the Pasture in 2017;
- The City of Richmond and Border Free Bees were jointly awarded the British Columbia Recreation and Parks Association Award for Program Excellence for the Pasture in 2018; and
- The City received a nomination for a UBCM Community Excellence Award in Sustainability in 2018.

### Railway Greenway

The Railway Greenway is an ecological corridor that provides an important link between the Middle arm and South Arm riparian areas of the Fraser River. It facilitates the movement of wildlife, water, and nutrients. Over 16,600 native trees and shrubs were planted along this 5 kilometer trail in 2016 and 2017. The majority of the tree and plant species that were planted produce flowers and berries that support local bird and pollinator species. Wildflower seeds are also added every year along the greenway, providing further support for pollinators.

### Sharing Farm Apiary

Located within Terra Nova Park, The Sharing Farm is an energetic advocate for both honey bee and native pollinator populations in Richmond. The Sharing Farm opened an apiary in 2013, with grant funding from Vancity Community Projects and TD Friends of the Environment. The apiary is a site for education and public tours, as well as a summer Bee Camp for kids. The on-site hives annually produce honey, and salves, wax cloths, and lip balms are made from the beeswax. In partnership with TD Friends of the Environment, extensive and rotating forage crops have been planted, to enhance the health and nutrition of native pollinators as well as honey bees. The Sharing Farm has also conducted a baseline population study of native pollinators within Terra Nova Park.



Bumblebee basket nest woven by a volunteer at the Bridgeport Pollinator Picnic, 2018



**450** species of bees have been identified in BC

### **Terra Nova Pollinator Corridor**

The Terra Nova Pollinator Corridor is comprised of native flowering trees and shrubs and is expanded every year by 150+ volunteers as part of TD Tree Days. The corridor is almost half way complete and, upon completion, will extend approximately 525 meters in length along the entire east edge of Terra Nova Rural Park. The tree and plant species have been carefully selected to suit existing site conditions and to support and attract pollinators to the adjacent Sharing Farm agricultural fields. The corridor will provide an important wildlife connection between the Terra Nova Natural Area and the Middle Arm riparian area of the Fraser River.

### **Terra Nova Public Art Pollinator Meadow**

Council endorsed another ongoing partnership with Border Free Bees in 2018 to transform 2,200 square meters of underutilized land space at the Terra Nova Rural Park into habitat for pollinators. City staff prepare the site for planting, and Border Free Bees and local Master Gardeners re-seed the site with a mix of wildflowers for pollinators yearly. The project has created new opportunities for the public and students to learn about pollinators at the Terra Nova Nature School and at local events such as the Works on Wheels Tours.

### **Richmond Nectar Trail**

The City piloted the Richmond Nectar Trail Project in 2020. In response to the positive response from the community, the program continued into 2021. Partnering once more with Border Free Bees, this project aims to promote community awareness and increase and connect habitats with a series of 'stepping stone' garden plots for insects to rest and forage while en route between isolated habitat hubs. Properties volunteering to participate along the trail including businesses, institutions and residential homes will plant and maintain a (minimum) one-square metre garden with drought-tolerant species that bloom from spring to fall and avoid the use of pesticides.

Bumble bee collecting pollen, [bugwood.org](http://bugwood.org)







## PROVIDING INFORMATION, PUBLIC AWARENESS, AND PROMOTING LEARNING OPPORTUNITIES TO THE COMMUNITY

### KEY ACHIEVEMENTS

#### **Bees in the Bog**

Bees in the Bog is a school program for children in kindergarten through grade 3 that explores the behaviour, lifecycle, and some of the products of bees and pollinators in the Richmond Nature Park bog habitat. In the program, students get the opportunity to observe the inside of an active bee hive.

#### **Richmond Earth Day Youth (REaDY) Summit**

The REaDY Summit is an annual youth-led, youth-oriented event that promotes sustainability and action through inspirational speakers, interactive workshops, exhibits, and mentorship opportunities. The youth involved are also connected with many community activities throughout the year including pollinator-friendly gardening, waste diversion, and other environmental stewardship programs.

### **Richmond Butterflyway Project**

A citizen-led movement coordinated by the David Suzuki Foundation, the Butterflyway Project is growing highways of habitat for bees and butterflies across Canada with pollinator plantings in parks, community gardens, and homeowner's yards. Groups of "Butterflyway Rangers" are required to plant and maintain at least a dozen pollinator patches in their neighbourhood, increasing pollinator forage and habitat in the urban landscape.

### **Sustainability Workshops**

The City hosts a series of workshops throughout the year to look at ways to reduce pesticide use and create a more sustainable community. Workshops cover topics such as small scale vegetable gardening, mason bee keeping, planting gardens for pollinators, and decreasing reliance on pesticides through proper lawn care and organic planting practices. They are part of the City's enhanced pesticides management program, sustainability, waste reduction, and water conservation initiatives.

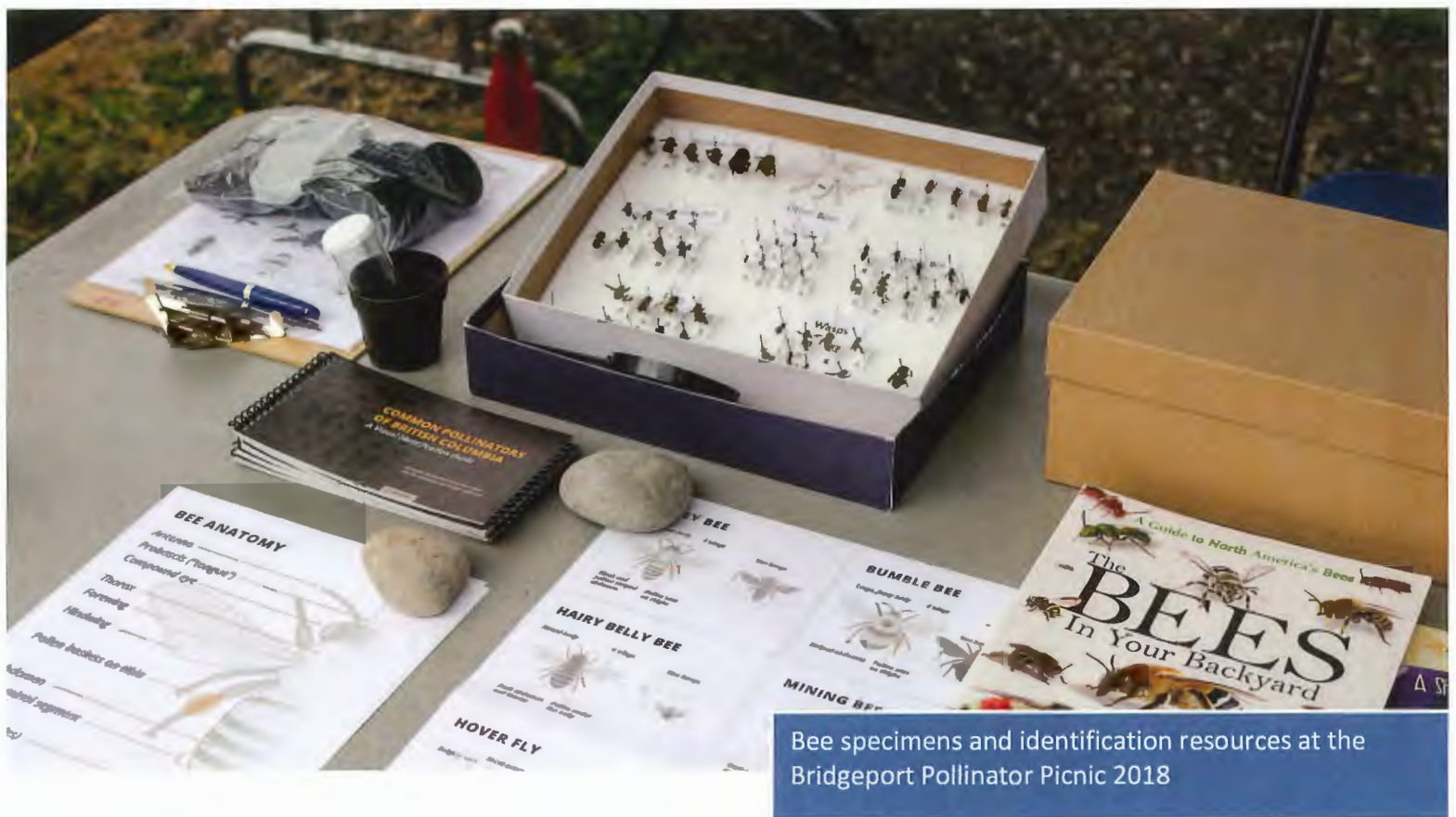
## **FUTURE ACTIONS**

In coming years, the City expects to take part in many events with a focus on pollinators, including but not limited to, Earth Day, Invasive Species Action Month, the Richmond Garlic Festival, and the Richmond Public Works Open House.



Mason bee house made by volunteers at the Bridgeport Pollinator Picnic, 2018





Bee specimens and identification resources at the Bridgeport Pollinator Picnic 2018

## CONCLUSION

The City is proud to submit this application to Bee City Canada to become a 'Canadian Bee City'. If you require any additional information regarding this application, please contact Graham Watson at 604 276 4216 or [gwatson2@richmond.ca](mailto:gwatson2@richmond.ca).