September 24, 2020 FOI No: 2020-38

VIA E-MAIL – Redacted

Redacted

Dear Redacted

Re: Request for Records
Freedom of Information and Protection of Privacy Act

The City of White Rock has reviewed your request for access to the following information pursuant to the Freedom of Information and Protection of Privacy Act (the "Act"):

1) *all staff reports pertaining to the proposed East Beach Drainage Project to divert storm drainage away from the SFN lands, to build a new outfalls to the west and a new pump station, and to decommission and remove the Finlay outfalls and the current pump station on SFN lands*
2) *any engineering studies that pertain to restoration of the shellfish industry on the SFN foreshore and any internal communication on this matter.*
3) *any minutes of Council to Council meetings with the SFN wherein the topic is discussed and the resultant Council motions*

Access to the records responsive to 1) and 2) is available. Please find them attached. Note that I was unable to locate any engineering studies pertaining to the restoration of the shellfish industry on the SFN foreshore.

Access to the records responsive to item 3) is not available. I was able to locate one such record from a closed Council-to-Council meeting. The substance of deliberations held at a closed meeting of City Council is exempted from the disclosure requirements of the Act pursuant to section 12(3)(b).

Corporate Administration
P: 604.541.2212 | F: 604.541.9348
City of White Rock
15322 Buena Vista Avenue, White Rock BC, Canada V4B 1Y6

Please contact our office if you have any questions or concerns.

Sincerely,

Ken Overton
Manager, Property, Risk Management, and FOI
604-541-2104

If you believe that the City of White Rock has been unreasonable in its handling of your request, you may ask the Information and Privacy Commissioner to review our response. You have 30 days from receipt of this notice to request a review by writing to:

Office of the Information and Privacy Commissioner
3rd Floor, 756 Fort Street
Victoria BC V8W 1H2

Should you decide to request a review, please provide the Commissioner's office with:

1. your name, address and telephone number;
2. a copy of this letter;
3. a copy of your original request sent to the City of White Rock; and
4. the reasons or grounds upon which you are requesting the review.

THE CORPORATION OF THE

CITY OF WHITE ROCK

CORPORATE REPORT

DATE: **January 30, 2017**

TO: **Mayor and Council**

FROM: **Greg St. Louis, Director of Engineering and Municipal Operations**

SUBJECT: **Contract Award for Engineering and Design Services for the Habgood Pump Station**

RECOMMENDATIONS

THAT Council:

1. Receive for information the corporate report dated January 30, 2017, from the Director of Engineering and Municipal Operations, titled "Contract Award for Engineering and Design Services for Habgood Pump Station;" and
2. Approve the award of a contract for Engineering Design and Construction Services in the amount of $287,540.00 (excluding GST) to Opus International Consultants (Canada) Ltd.

INTRODUCTION

The purpose of this report is to obtain Council's approval to award a contract for the design and construction services for the Habgood pump station, outfall and storm sewer and associated works on Marine Drive between Keil Street and Finlay Street.

The existing storm water pump station is located on the south side of Marine Drive, at the intersection of Marine Drive and Habgood Street. The pump station and its two 250mm diameter forcemains discharging south to the Little Campbell River are located on Semiahmoo First Nation's land.

As identified in the 2012 Drainage Master Plan, the pump station requires upgrading due to the size of the pumps and wet well capacity. As the entire pump station requires reconstruction it is recommended to move the pump station onto City property.

PAST PRACTICE / POLICY / LEGISLATION

The award of projects is governed by Council Policy #301. The Policy is being adhered to in the tendering and proposed award of this project.

Policy #301 requires Council approval for contracts with a value exceeding $250,000.

ANALYSIS

The contract was tendered and seven (7) bids were received and opened on November 24, 2016. The tenderers and bid prices are listed below:

Company	Construction Services
R.F. Binnie & Associates Ltd.	$149,862
Omega & Associates Engineering Ltd.	$163,541
Stantec Consulting Ltd.	$277,910
AECOM Canada Ltd.	$278,633
Opus International Consultants(Canada) Ltd.	$287,540
Kerr Wood Leidal Associated Ltd.	$335,726
ISL Engineering and Land Services Ltd.	$375,657

City staff has evaluated the tenders for accuracy, completeness of tender, design schedule, consultant qualifications and price evaluation. The bids have been evaluated and were scored based on the following criteria:

Criteria Description		Criteria weighting
a)	Price	30%
b)	Experience	30%
c)	Completeness of Work Plan	25%
d)	Innovation	10%
e)	Proposed Fast Track	5%
Total		**100%**

Opus International Consultants (Canada) Ltd. submitted a compliant bid with the highest overall score with a total bid price of $287,540. The total price is based on consultant hourly rates and an estimate of the level of effort required. Some of the lower priced bids did not provide a proposal with sufficient relevant experience or a complete work plan that met the scope of the project.

BUDGET IMPLICATIONS

Engineering Design and Construction Services (Bid) ..... $ 287,540
Project Contingency (15%)..... $ 43,000
Total estimated costs..... $ 330,540

The 2016 budget included $130,000 for design work related to this project and at this time it is expected that $120,000 will be carried over to 2017. In addition, the 2017 Financial Plan includes $3,000,000 for design and construction of this project. It is recommended that costs related to this contract be funded from these approved budgets.

The Director of Financial Services has reviewed this report and concurs that these funding sources are available and appropriate for these purposes.

CONCLUSION

It is recommended that the contract for Engineering and Design Services for Habgood Pump Station be awarded to Opus International Consultants (Canada) Ltd in the amount of $287,540.00 (excluding GST).

Respectfully submitted,

Greg St. Louis, P.Eng.
Director of Engineering and Municipal Operations

Comments from the Chief Administrative Officer

I concur with the recommendations of this corporate report.

Dan Bottrill
Chief Administrative Officer

THE CORPORATION OF THE

CITY OF WHITE ROCK
CORPORATE REPORT

DATE: **July 23, 2018**

TO: **Mayor and Council**

FROM: **Jim Gordon, P.Eng.**
Director of Engineering and Municipal Operations

SUBJECT: **East Beach Waterfront Projects Feasibility Study – Interim Update**

RECOMMENDATION

THAT Council receive for information the corporate report dated July 23, 2018 from the Director of Engineering and Municipal Operations titled, "East Beach Waterfront Projects Feasibility Study – Interim Update."

INTRODUCTION

This report provides an information update regarding the feasibility study for the following East Beach waterfront projects: east beach erosion protection, Finlay storm outfall upgrades, Coldicutt pedestrian overpass, marina expansion, and White Rock Pier restaurant. Although the study is not yet complete, this corporate report is intended to provide an interim summary of the analysis to date.

BACKGROUND

White Rock's waterfront is an economic driver attracting residents and visitors to the area for its stunning views, boutique shops, dining by the sea, as well as festivals and events held throughout the year. A multi-faceted waterfront area will provide more experiences and opportunities for the public to explore and invest in White Rock. The completion of a feasibility study for the proposed East Beach waterfront projects is a 2014-2018 Council priority.

In March 2018, the City retained Westmar Advisors Inc., supported by Hatfield Consultants, to conduct a feasibility study for the following East Beach waterfront projects:

1. **White Rock Pier Restaurant**
   The study examines the environmental impacts of a 300-seat restaurant along the pier and operational requirements such as delivery truck access, accessibility, and fire protection, access and egress. It considers the impacts of Sea Level Rise and provides a recommended location for the restaurant.

2. **East Beach Erosion Protection**
   The study's objective is to provide erosion control options that prevents further loss of public space above the high-water elevation and identify the challenges of increasing public amenity space.

3. **Finlay Storm Discharge Upgrades**
   The study examines the impacts of upgrading the Finlay Street outfall to increase discharge capacity to flow currently directed to the Habgood outfall. As the existing outfall is an obstruction for pedestrians walking along the beachfront, the study provides options for eliminating the obstruction.

4. **Coldicutt Pedestrian Overpass**
   The proposed project includes a pedestrian walkway and overpass over BNSF railway at Coldicutt Ravine. The study focuses on the shoreline impacts.

5. **Marina Expansion**
   The study includes an order of magnitude cost estimate and a market assessment to determine the capacity, size, amenity mix necessary to support a marina at the Pier.

A map identifying the project locations can be found in Exhibit 1 of Appendix A.

The study recommends execution strategies to address governance and regulatory requirements, determine project risks, and proposes mitigation strategies. Specifically, the scope of the feasibility study is to address the following:

- Background, historic context and existing conditions relevant to the project locations;
- Potential environmental and geomorphological impacts of the proposed projects;
- Eroded shoreline locations that require repairs not identified in previous reports;
- Proposed mitigation options including shoreline storm protection, reclamation of loss green space due to erosion, and development of a new beachfront recreation area;
- Regulatory, permit, and tenant requirements including the permit process; and
- Project risks and recommended mitigation measures.

Historical Context

As it is important to recognize and respect the traditional uses of the area, the consulting team was tasked to review the history of the site. A summary of their review is as follows.

Semiahmoo Bay and the lands around and within the City of White Rock have been occupied by Indigenous peoples since time immemorial. The area is part of the traditional territories of Semiahmoo First Nation, Tsawwassen First Nation, and Stó:lō Nation, amongst others.

European settlers began to occupy the area in the mid-19th century. The White Rock Pier was built in 1914 and there have been structures previously erected near the shoreline along the east side of the Pier: a Legion building that burned down in 1932, and the Dolphins Club Restaurant in 1970. The beach has been previously disturbed by the protection of the rail line, boating, and recreation.

Existing Conditions

The consulting team reviewed the existing marine, geotechnical and environmental conditions of the project areas. A summary of the existing conditions are as follows:

<u>Marine</u>

- The highest high water level is 4.5m.
- The predominate wave directions are from the W – SSW.
- Sediment transport along the shoreline is from west to east.
- There are no noticeable changes to the sedimentation patterns over the past 20 years.

Geotechnical

- At Coldicutt, there are areas of exposed glacial till which may be possible to directly seat a foundation for the proposed beach access.
- There is limited geotechnical investigative data available for the project area. Further geotechnical assessments would be required for specific projects.

Environmental

- Hard-armouring used to protect the railway from erosion has created less favorable conditions for forage fish spawning.
- The sandy intertidal flats provide habitat for molluscs, crustaceans and juvenile marine flatfish.
- Dungeness crabs and ghost shrimp can be found in Semiahmoo Bay in high numbers.
- Little Campbell River is one of the few watercourses to contain Salish Sucker, a threatened species under the federal Species at Risk Act.
- The Boundary Bay area has high aquatic biodiversity with 62 native freshwater and marine fish species.
- The mudflats and eelgrass beds provide feeding opportunities for birds (ducks, loons, gulls, Great Blue Heron, and the threatened Marbled Murrelet).
- The subtidal areas are known to provide feeding areas for harbor seals, porpoises, and killer whales.
- Semiahmoo Bay has large, continuous, eelgrass beds which provides critical habitat for many life stages of marine animals including young salmonids and herring.

The feasibility study was based on the following design criteria:

- 0.5m of Sea Level Rise over a design life of 75 years
- Wave runup of up to 1m from tsunamis
- 1 in 2,475 year return period seismic event for building structures such as the restaurant
- 1 in 475 year return period seismic event for marine deck structures not supporting buildings
- Regulatory agencies will likely require recollection of environmental data if the data is over 5 years old.
- The lack of habitat assessments in the intertidal and subtidal zones presents the highest environmental risk.

Governance, Regulation and Permitting

There are several important regulatory and government requirements that must be addressed for the proposed East Beach projects. First, recent changes to the regulation have increased recognition and integration of Indigenous rights and title. In British Columbia, the Province has a duty to consult and accommodate First Nations, where required, on land and resource decisions that could impact their Indigenous Interests. Second, the discovery of a midden during the construction of Memorial Park suggests that foreshore construction for the proposed projects may uncover additional culturally important sites. Continuous engagement and consultation with the First Nations are critical first steps for the permitting requirements.

From an environmental permitting perspective, the proposed projects are governed by the following provincial and federal acts:

- Provincial:
  - Land Act (RSBC 1996, c.245) –Shoreline Lease;
  - Water Sustainability Act (SBC 2014, c.15);
  - Environmental Management Act (SBC 2003, c.53);
  - Wildlife Act (RSBC 1996, c.488) / Boundary Bay Wildlife Management Area; and
  - Environmental Assessment Act (SBC 2002, c.43).
- Federal:
  - Fisheries Act (RSC 1985, c.F-14);
  - Navigation Protection Act (RSC 1985, c.N-22);
  - Canada Marine Act (SC 1998, c.10);
  - Canadian Environmental Assessment Act (SC 2012, c.19);
  - Migratory Birds Convention Act (SC 1994, c.22); and
  - Railway Safety Act (R.S.C. 1985, c.32 (4th Supp.))

DISCUSSION

Westmar Advisors reviewed the proposed projects using the criteria discussed above. A summary of the recommended execution strategy, engineering, environmental and permitting risks, and mitigation strategy is discussed below.

White Rock Pier Restaurant

Important considerations when siting the location of the Pier restaurant are access, egress, sea level rise, fire protection, impacts on adjacent structures, and constructability versus ease of permitting and environmental impacts. No optimal location for this structure from an environmental permitting perspective has been identified by the consultants.

It is recommended to locate the restaurant in approximately the same location as the former restaurants along the Pier. This location enables the construction of a route for egress, emergency vehicle access, and delivery truck access that meets current seismic standards.

East Beach Erosion Protection

The proposed project involves shoreline protection and the creation of additional recreational green space through land reclamation; this permanently impacts the environment as the shoreline would be altered and intertidal and supratidal habitat would be negatively impacted by infilling. Therefore, the City will need to fully offset the mid-intertidal habitat covered by the project's footprint.

From a coastal engineering perspective, the proposed project is acceptable. It is recommended that strong emphasis for enhancing habitat be integrated into the design.

Finlay Storm Discharge Upgrades

The upgraded storm outlet will replace the current storm outlet at Habgood. As the Habgood outfall is on Semiahmoo First Nation land, there is an opportunity to engage and partner with the Semiahmoo First Nation for the remediation of the outfall and surrounding area.

The supratidal and high-intertidal zones in Semiahmoo Bay are highly impacted. Construction of a new outfall would provide opportunities to improve habitat. As the existing outfall interrupts longshore current and causes sediment accumulation east of the outfall, modifying the outfall is not expected to impact the beach.

Potential options for removing the beach obstruction include covering the outfall with shoreline protection to allow pedestrians to walk over top or replacing the outfall with a shallow channel that enables pedestrians to walk across it.

Coldicutt Pedestrian Overpass

The project has a moderate risk of environmental impact as there is lack of recent data for the existing environment conditions at the project area. The design for the proposed project must address depth of beach score during design storm event, and access following a storm event. It is recommended that stairs or ramps are incorporated into the foundation.

The existing shoreline protection may be inadequate since BNSF routinely adds new material after storm events. The use of light weight materials is not advised. Improvements to shoreline protection could potentially provide habitat offsetting opportunities for other East Beach projects.

Marina Expansion

The market study for the proposed marina expansion is currently underway. The study will determine the minimum size for the facility to be financially feasible and maximum footprint the site can support.

CONCLUSION

This corporate report provides an information update regarding the feasibility study for the following East Beach waterfront projects: east beach erosion protection, Finlay storm outfall upgrades, Coldicutt pedestrian overpass, marina expansion, and White Rock Pier restaurant. Staff will provide a further update to Council upon the completion of the feasibility study.

Respectfully submitted,

Jim Gordon, P.Eng.
Director of Engineering and Municipal Operations

Comments from the Chief Administrative Officer:

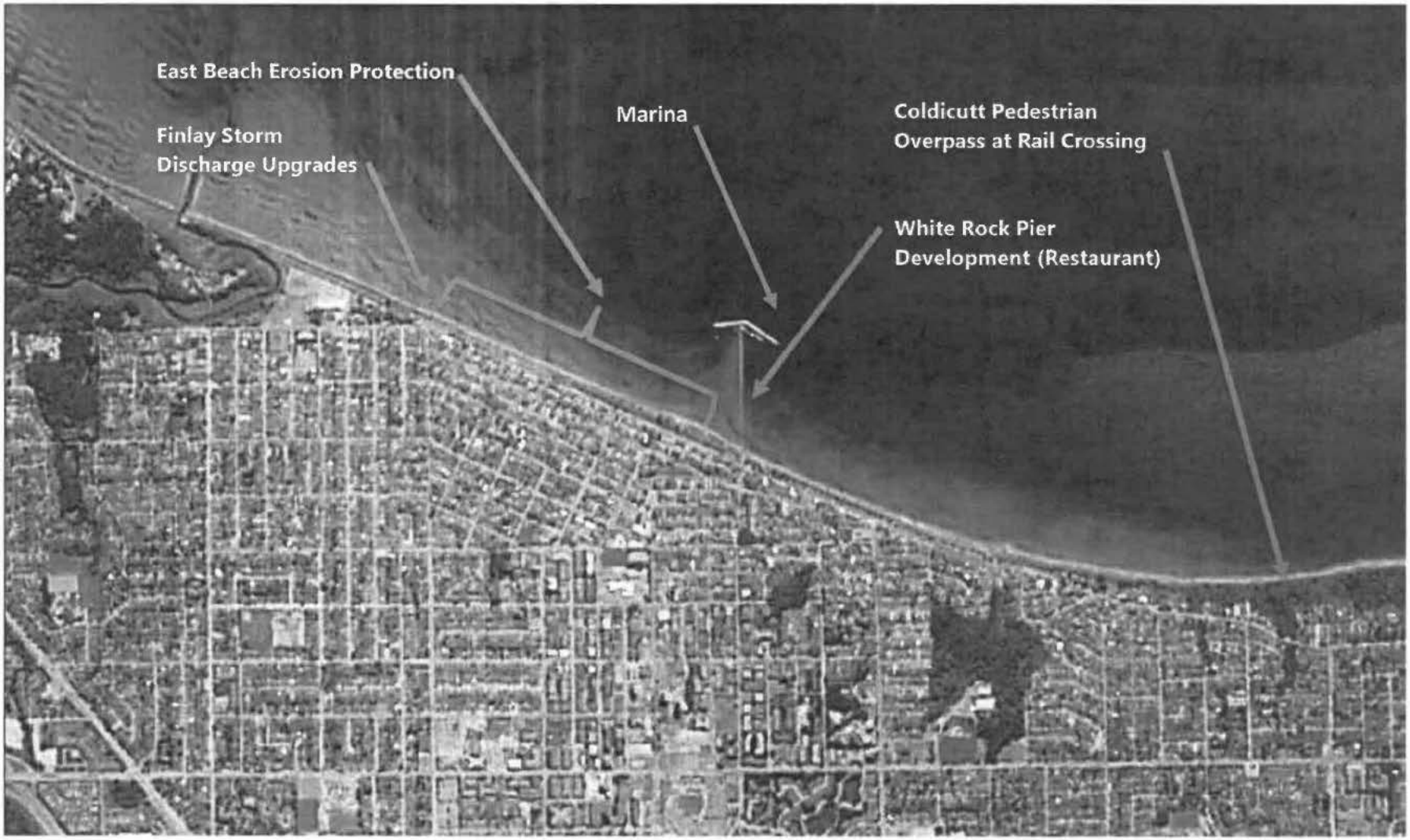
This corporate report is provided for information.

Dan Bottrill
Chief Administrative Office

Appendix A: Map of the Project Locations

APPENDIX A

Map of the Project Locations



THE CORPORATION OF THE

CITY OF WHITE ROCK
CORPORATE REPORT

DATE: **September 17, 2018**

TO: **Mayor and Council**

FROM: **Jim Gordon, P.Eng., Director, Engineering and Municipal Operations**
Sandra Kurylo, Director, Financial Services

SUBJECT: **Investing in Canada Infrastructure Program (ICIP)**
Green Infrastructure – Environmental Quality Program Application

---

RECOMMENDATIONS

THAT Council:

1. Receive for information the corporate report dated September 17, 2018 from the Directors of Engineering and Municipal Operations, and Financial Services titled "Investing in Canada Infrastructure Program (ICIP) Green Infrastructure – Environmental Quality Program Application;"
2. Approve the Investing in Canada Infrastructure Program (ICIP) Green Infrastructure – Environmental Quality Program Application for the Habgood Pump Station Relocation project; and
3. Confirm a financial commitment in the amount of $4.6M in City funding, including amounts spent to date, be disbursed for this project in support of the grant application process.

INTRODUCTION

On May 31, 2018 the Canadian and British Columbian governments committed up to $243M towards an initial intake of the ICIP Green Infrastructure – Environmental Quality Program to support cost-sharing of infrastructure projects in communities across the province.

Eligible projects are projects that support public infrastructure and must meet at least one of the following outcomes:

- Increased capacity to treat and/or manage wastewater and stormwater;
- Increased access to potable water; or
- Increased capacity to reduce and/or remediate soil and/or air pollutants.

Funding of up to 73.33% of eligible project costs (40% Government of Canada, 33.33% Province of British Columbia) is available under this program. This program only allows municipalities to submit one application. The application deadline for this program was August 29, 2018.

City staff reviewed Council's 2014 to 2018 Corporate Priorities and the 2018 to 2022 Financial Plan, and determined that the Habgood Pump Station Relocation project is a high priority and meets the program eligibility requirements. The purpose of this corporate report is to obtain Council's support for the submission of the application by the City and confirm financial commitment in the amount of $4.6M in City funding to be disbursed, including amounts spent to date, for this project.

PAST PRACTICE / POLICY / LEGISLATION

The Habgood Pump Station relocation was identified in the 2014 to 2018 Council Corporate Priorities, in the 2012 Drainage Master Plan as well as the 2018 to 2022 Financial Plan as a priority. The project increases the capacity of the storm sewer and the pump station to meet future demands as identified in the City of White Rock's Official Community Plan.

DISCUSSION

The objective of this program is to create long-term economic growth, build inclusive, sustainable communities and support a low carbon, green economy. The ICIP Green Infrastructure – Environmental Quality Sub-Stream is focused on infrastructure that will support quality and management improvements for drinking water, wastewater and stormwater, as well as reductions to soil and air pollutants through solid waste diversion and remediation.

The Habgood Pump Station Relocation project will increase the pump station's capacity to enhance the management of storm water. The existing storm water pump station is located on the south side of Marine Drive, at the intersection of Marine Drive and Habgood Street, on Semiahmoo First Nation's land. The pump station's two 250mm diameter forcemains discharge south to the Little Campbell River. As identified in the 2012 Drainage Master Plan, the pump station requires upgrading as the size of the pumps and wet well capacity will not meet future flow requirements.

The 2018 to 2022 Financial Plan reflects a substantial grant as a funding source for this project, as adequate funds are not available in the City's Drainage Fund. The Financial Plan was based on the assumption that a grant would be applied for and approved, and without it, the project could not proceed. Therefore, applying for a grant for this purpose is in keeping with the approved 2018 to 2022 Financial Plan.

Given the above rationale, strong assessment by staff in meeting program eligibility and summer deadline of August 28, staff submitted the application. This was done with the understanding that a council resolution supporting the project in general and the City's committed funding was also required under the grant program process, to be submitted within 30 days following the application deadline.

BUDGET IMPLICATIONS

City staff and the consulting team have updated the cost estimate for this project. The updated cost estimate, including amounts spent to date, is $10.9M. Of this amount, almost $10.5M is comprised of "eligible costs" under the grant program, which could qualify for a grant of up to $7.66M.

The City has $4.6M of internal funding allocated towards this project in 2017 and 2018. Therefore, a minimum grant of $6.3M (58%) is needed for this project to proceed. If more grant funding is approved (ie. up to 73.33%), excess internal funding will be re-allocated towards other storm sewer system upgrades. If adequate funding is not available, this project cannot proceed.

CONCLUSION

If adequate funding for this project, based on the assumption of grant funding, is not available, this project cannot proceed. Given staff's strong assessment of eligibility and the City's desire to maximize grant opportunities, it is recommended that Council approve the ICIP Green Infrastructure – Environmental Quality Program application for the Habgood Pump Station Relocation project and adopt the recommendations noted in this corporate report.

Respectfully submitted,

Jim Gordon, P.Eng.
Director, Engineering and Municipal Operations

Sandra Kurylo
Director, Financial Services

Comments from the Chief Administrative Officer:

I concur with the recommendations of this corporate report.

Dan Bottrill
Chief Administrative Officer

ON TABLE
REGULAR - March 9, 2020
New Item: 6.2.9

THE CORPORATION OF THE

CITY OF WHITE ROCK
CORPORATE REPORT

DATE: **March 9, 2020**

TO: **Mayor and Council**

FROM: **Jim Gordon, P.Eng.**
Director, Engineering and Municipal Operations

SUBJECT: **Investing in Canada Infrastructure Program (ICIP)**
Green Infrastructure – Environmental Quality Sub-Stream Application

---

RECOMMENDATIONS

THAT Council

1. Receive for information the corporate report dated March 9, 2020 from the Director of Engineering and Municipal Operations, titled "Investing in Canada Infrastructure Program (ICIP) – Green Infrastructure – Environmental Quality Sub-Stream Application";
2. Approve the Investing in Canada Infrastructure Program (ICIP) – Green Infrastructure – Environmental Quality Sub-Stream grant application for the Columbia Avenue Storm Diversion Project; and
3. Support the project and commit to the City's share ($1,333,500) of the project.

INTRODUCTION

On September 25, 2019 the Canadian and British Columbian governments committed up to $150 million towards the second intake of the Investing in Canada Infrastructure Program – BC - Green Infrastructure – Environmental Quality Sub-Stream to support cost sharing of infrastructure projects in communities across the province.

Eligible projects are projects that support public infrastructure and must meet at least one of the following outcomes:

- Increased capacity to treat and/or manage wastewater and stormwater
- Increased access to potable water
- increased capacity to reduce and/or remediate soil and/or air pollutants

Funding is available up to 73.33% of eligible project costs (40% Government of Canada, 33.33% Province of British Columbia). This program only allows municipalities to submit one application. The application deadline for this program was February 26, 2020. The deadline to submit a Council resolution is March 26, 2020.

City staff reviewed and found that the Columbia Avenue Storm Diversion project meets the program eligibility requirements. The purpose of this corporate report is to obtain Council's concurrence on the application submitted by the City.

PAST PRACTICE / POLICY / LEGISLATION

White Rock Council recognized the "Climate Emergency" and committed on January 13, 2020 to Climate change mitigation and adaptation strategies.

DISCUSSION

The Green Infrastructure – Environmental Quality Sub-Stream is focused on infrastructure that will support quality and management improvements for drinking water, wastewater and stormwater, as well as reductions to soil and air pollutants through solid waste diversion and remediation.

There are issues with White Rock's storm water discharges including erosion, flooding and poor stormwater quality contributing to environmental conditions in Semiahmoo Bay negatively affecting the Regional ecosystem and preventing the harvesting of shellfish. These conditions are exacerbated by the increased frequency and intensity of storms resulting from Climate Change.

It is intended to divert stormwater from erosion prone locations and fish spawning areas and to develop an upgraded conveyance system incorporating treatment facilities to reduce oil, grit and other deleterious materials in the stormwater before discharge to the Bay. This diversion will also enable the removal of stormwater and encroachments from Semiahmoo First Nation (SFN) lands. Regional benefits include mitigation of flood waters and erosion in fish spawning areas, improvements to Semiamhoo Bay water quality and the removal/restoration of encroachments on SFN lands.

This application is for Phase 1 ($5M) design and construction of a new stormwater outfall west of Finlay Street, habitat enhancement infrastructure and restoration, diversion piping and stormwater treatment. Phase 2 includes installation of new storm mains on Stayte Road and Columbia Avenue to divert flow from the City of Surrey and Semiahmoo First Nation Lands to the new outfall west of Finlay.

BUDGET IMPLICATIONS

The total project cost (for the above noted Phase 1) is $5,025,000, of which $5M represents grant program eligible costs. Grant funding is available for up to 73.33% of eligible project costs (40% Government of Canada, 33.33% Province of British Columbia), leaving $1,333,500 in eligible costs to be funded by the City. The 2020 to 2024 Financial Plan reflects the previous plan to replace the Habgood Pump Station. Now that this drainage project scope has been modified, an amendment to the 2020 to 2024 Financial Plan is required. Sufficient funding for the City's portion ($1,333,500 or 26.67%) is available through a re-allocation of project funding, and the 2020 to 2024 Financial Plan will be amended accordingly in April 2020.

Phase 2 of this project is estimated to cost in the range of $13M. Based on the 2020 to 2024 Financial Plan, enough City funding is available to contribute $3.46M (26.67%) towards Phase 2. However another grant in the amount of $9.5M (73.33%) is required before Phase 2 can proceed.

CLIMATE CHANGE CONSIDERATIONS

This project will divert stormwater from low lying and erosion prone areas that will become more vulnerable to environmental damage due to increasingly intense storms related to climate change and due to increased sea levels.

CONCLUSION

The Green Infrastructure – Environmental Quality Sub-Stream is focused on infrastructure that will support quality and management improvements for drinking water, wastewater and stormwater, as well as reductions to soil and air pollutants through solid waste diversion and remediation. The Columbia Avenue Storm Diversion project meets the program eligibility requirements. It is recommended that Council approve the Investing in Canada Infrastructure Program – BC - Green Infrastructure – Environmental Quality Sub-Stream grant application for the Columbia Avenue Storm Diversion Project and support the commitment of the City's share of the project.

Respectfully submitted,

Jim Gordon, P.Eng.
Director, Engineering and Municipal Operations

Comments from the Chief Administrative Officer:

I concur with the recommendations of this corporate report.

Dan Bottrill
Chief Administrative Officer

Marla Boos

From: hchappell <hchappell@semiahmoofirstnation.org>
Sent: February 12, 2019 6:33 PM
To: Jim Gordon
Cc: Holmes, Blair (EC); Dustin Abt; Rosaline Choy; Joanne Charles
Subject: Re: Shellfish - Remediation at foreshore of City of Whiterock

My apologies I saw this email before but it was lost in pile. Yes please we would like to meet to discuss more. Potential dates??
Thank you

Sent from my iPhone

On Jan 29, 2019, at 4:12 PM, Jim Gordon <JGordon@whiterockcity.ca> wrote:

> Hello Blair:
>
> We would like to meet with you and see what we can do at White Rock to address issues affecting the harvesting of shellfish from Semiahmoo Bay.
>
> This is a very important issue to our First Nations neighbours, Semiahmoo First Nation, so we are motivated to work with you on testing and on developing any remediation measures.
>
> Dustin will be returning from holidays next week – does a time later in the week work for you?
>
> Thanks for contacting us.
>
> Jim
>
> **Jim Gordon P.Eng.**
> **Director of Engineering and Municipal Operations,**
> **City of White Rock**
> 877 Keil Street, White Rock, BC V4B 4V6
> Tel: 604.541.2181 | www.whiterockcity.ca
>
> <image003.jpg>
>
>

From: Holmes, Blair (EC) <blair.holmes@canada.ca>
Sent: Tuesday, January 29, 2019 1:57 PM
To: Dustin Abt <DAbt@whiterockcity.ca>
Cc: Jim Gordon <JGordon@whiterockcity.ca>
Subject: Remediation at foreshore of City of Whiterock

Hello Dustin and Jim,

I received your contact names from Carrie Hightower at MetroVan.
My name is Blair Holmes and I work with Environment & Climate Change Canada, Shellfish Water Classification Program. Along with the Canadian Food Inspection Agency (CFIA) and the Department of Fisheries and Oceans (DFO), the three federal departments deliver the national Canadian Shellfish Sanitation Program (CSSP). Under the CSSP, ECCC measures fecal contamination, documents fecal coliform pollution sources, models WWTP effluents and makes shellfish harvesting classification recommendations to DFO.

Dustin, I was hoping I could have a brief conversation with one of you regarding remediation activities in the City of Whiterock with respect to foreshore fecal contamination. Could you please forward you phone number?

Would be okay for a call this week: I'm available the rest of today, all day Wednesday, Thursday afternoon, all day Friday.

Thanks for your time,

Blair Holmes

Area Coordinator, Shellfish Water Classification Program – Pacific Region
Environment and Climate Change Canada / Government of Canada
2645 Dollarton Highway, North Vancouver, British Columbia V7H 1B1
blair.holmes@canada.ca / Tel: 604-903-4427 / Fax: 604-903-4423

Coordinateur de secteur, Programme de Classification des Eaux Coquillières – Région du pacifique
Environnement et Changement climatique Canada / Gouvernement du Canada
2645 autoroute Dollarton, Vancouver-Nord, Colombie-Britannique V7H 1B1
blair.holmes@canada.ca / Tél: 604-903-4427 / Téléc: 604-903-4423