



**City of Kingston
Information Report to Council
Report Number 21-152**

To: Mayor and Members of Council
From: Peter Huigenbos, Commissioner, Business, Environment & Projects
Resource Staff: Mark Van Buren, Deputy Commissioner, Major Projects
Date of Meeting: June 22, 2021
Subject: Third Crossing – Quarterly Update Q2 2021

Council Strategic Plan Alignment:

Theme: 3. Improve walkability, roads and transportation

Goal: See above

Executive Summary:

The Major Projects Office continues to provide quarterly reports to update Council on the status of the Third Crossing. This quarterly report covers activities during Q2 of 2021.

This report provides an update to Council on major work activities that have been completed since March 2021, including completion of detailed design activities, ongoing work on permits and approvals, and on-site construction activities. This information report also provides details regarding recent communication and engagement work with the public, near neighbours, Indigenous communities and various stakeholder groups. In addition, the report provides a look ahead to upcoming major activities that the project team will be undertaking.

Approximately 60 percent of the construction work has been completed and the overall project continues to target substantial completion at the end of 2022.

Recommendation:

This report is for information only.

June 22, 2021

Page 2 of 9

Authorizing Signatures:

ORIGINAL SIGNED BY COMMISSIONER

**Peter Huigenbos, Commissioner,
Business, Environment &
Projects**

ORIGINAL SIGNED BY CHIEF
ADMINISTRATIVE OFFICER

**Lanie Hurdle, Chief
Administrative Officer**

Consultation with the following Members of the Corporate Management Team:

Paige Agnew, Commissioner, Community Services Not required

Brad Joyce, Commissioner, Corporate Services Not required

Jim Keech, President & CEO, Utilities Kingston Not required

Desirée Kennedy, Chief Financial Officer & City Treasurer

Sheila Kidd, Commissioner, Transportation & Public Works

June 22, 2021

Page 3 of 9

Options/Discussion:**A. Detailed Design**

The Integrated Project Delivery (IPD) team has completed the detailed design work for the Third Crossing project. All of the main design packages for the bridge and roadworks have now been issued for construction. The design team will continue to progress with work on the completion of final design for shoreland landscaping elements. In addition, on-going design adjustments continue to be considered by the IPD team to further optimize construction efficiencies as works proceed.

B. Permits and Approvals

The IPD team continues to provide regular environmental compliance monitoring together with weekly reports submitted to federal agencies including Parks Canada, Fisheries and Oceans Canada, and Transport Canada. These reports provide information on water quality, wildlife and construction noise monitoring as well as detail inspections of the on-site turbidity curtains, turtle fencing and wildlife eco-passages.

Limited damage to the styrofoam floats that support the turbidity curtains surrounding the in-water construction area has occurred over the winter and early spring months. Some of the styrofoam that has been released from sections of the damaged turbidity curtains has collected along shorelines both upstream and downstream of the construction site. In response, the project team has a dedicated crew allocated to working in the water and along the shorelines collecting any styrofoam and debris. In addition, the crew is regularly inspecting the turbidity curtains and undertaking any repairs required.

The IPD team continued to advance various Component Environmental Management Plans (CEMPs) which are detailed work plans that cover appropriate environmental controls for various aspects of the bridge construction. During the last quarter, work has also focused on discussions with Fisheries and Oceans Canada and Parks Canada on the draft plans to provide area(s) for new fish habitat. It is expected that these discussions and finalization of the fish habitat plans will be concluded this summer.

C. Construction Activities

The IPD team continues to maintain the COVID-19 Response & Prevention Plan that has been developed specifically for the Third Crossing project. The recent assistance of KFL&A Public Health to organize vaccinations for the on-site construction staff is very much appreciated by the entire project team. The IPD team also continues to monitor COVID-19 related risks and is regularly liaising with trade partners, subcontractors and suppliers, to identify disruptions and/or delays with supply chains for critical materials and equipment and any related financial or schedule impacts to the project.

On-site construction work continues to steadily progress through the second quarter of 2021. ABF Reinforcing Steel is one of the main project subcontractors who are responsible for completion of the bridge pier caps. At present, 18 of the 21 pier caps have now been completed. Kiewit has also completed work on the west shore abutment and the foundation and first stage concrete pour for the east shore abutment.

June 22, 2021

Page 4 of 9

Concrete girders fabricated by DECAST for the approach spans started in early February. Girder installation which began near the west shore has continued east toward the steel main span throughout the second quarter of 2021. At present, 55 of the total 95 concrete girders have been installed.

Walters Group is one of the trade partners for the IPD team who are responsible for the fabrication and erection of the steel main span portion of the Third Crossing. On site construction of the steel main span also commenced in February. The main span is comprised of 48 separate steel sections. At present, 32 of the 48 steel sections have been installed.

The IPD team continues to update the project website (<https://thirdcrossing.cityofkingston.ca/>) with a number of photographs and drone videos that show the construction progress on-site.

D. Communications and Public Engagement

Below are some highlights and analytics of the public engagement and communication initiatives from January to April 2021:

- Community e-newsletter - The number of subscribers continues to grow monthly, with a total now of 1,414 subscribers. Five newsletters have been issued so far in 2021, and the e-newsletter open rate continues to be one of the highest for the City at an average of 52.4%. The project drone videos and engagement pages are the most popular opens. All previous e-newsletters can be found on the project website at: <https://thirdcrossing.cityofkingston.ca/engagement/past-engagement>.
- Email Correspondence With Residents - The dedicated email address (thirdcrossing@cityofkingston.ca) continues to be a main connector for residents to the project team. Between January 2021 and the end of April 2021, the project team has received 212 emails from residents.
- Media Articles and Interviews - The project receives a fair amount of media coverage. In 2020, 32 articles were published about the project. So far in 2021, 37 articles have covered the project on subjects from new roadway designs to the launch of the naming campaign. 12 interviews have also been conducted so far in 2021.
- Project Website - Residents are finding and visiting the project website more frequently. So far in 2021, total page views are at 30,279 compared to a total of 42,000 page views in 2020. Top visited pages are the home page, the photo gallery and video page, and the bridge page.
- Social Media - Using the hashtag #ThirdCrossing, analytics are tracked for the project to ensure targeted messaging reaches and is shared by the Kingston community. Since January 2021 until the end of April, social media use continues to grow compared to this time last year. Facebook, Twitter and Instagram engagement (shares, likes and comments) is at 18,640. Other strong social media analytics are 546 shares on Facebook, 610 likes on Twitter and 782 likes on Third Crossing content on Instagram.

June 22, 2021

Page 5 of 9

- Videos - Videos detailing construction progress are released on the City of Kingston's YouTube channel and on the Third Crossing website. This year five videos have been released documenting the building of the project. In total, the videos have had 7,563 views.
- School Virtual Presentations - the project team has been giving virtual presentations to primary and secondary schools in Kingston over the last few months discussing the design, construction and building of the Third Crossing. Eight presentations have now been given to seven different schools, and over 900 students have had an opportunity to ask questions about the Third Crossing as it relates to their studies in structures, geography, environment and design.

Naming Consultation

In July 2020, Kingston City Council committed to naming what is now called 'the Third Crossing' in a way that reflects and celebrates the stories and contributions of Indigenous communities, both past and present.

The naming consultation has completed Step 1 and is currently finalizing Step 2. In February and March, Step 1 informed the public on the naming campaign process and opportunities to share input. Since February, Step 2 has been active, and has involved consultations with Indigenous Nations with historical ties to the area as well as with interested members of the local Indigenous community. During this time, five virtual meetings have been held introducing, discussing and synthesizing all the ideas from the brainstorming sessions. A survey was also launched on the City's Get Involved Kingston website asking all residents for name suggestions which were then shared and included in the virtual meeting discussions for the longlist of names for the bridge. From these meetings, a shortlist of names as well as their meanings and connections to the community have been discussed and consensus was reached on a shortlist of potential names. At the end of June, Step 3 will commence engaging and educating the public on the meaning and origins of the shortlist of potential names as well as asking for input through a poll on the City's Get Involved Kingston website.

In the fall, the project team will reconvene with Indigenous Nations as well as with interested members of the local Indigenous community on feedback received through engagement with the public and a preferred name will be confirmed. In the winter, a report to Kingston City Council with the final recommendation of the name will be shared as well as a public announcement and continued community education around the name's meaning and origin.

Local Project Benefits

The IPD team continues to monitor local benefits from the Third Crossing construction including key performance measures such as hours of local workforce used and total dollar value of locally procured material and sub-contracts. As of April 2021, the IPD team has achieved the following:

- Over \$8.1 million spent on locally sourced material and contracts.
- Over 62,000 hours of labour has been hired from less than 115 kilometres away from Kingston.

June 22, 2021

Page 6 of 9

- Over 31,000 hours of local labour was secured from less than 40 kilometres away from Kingston.
- 71 contracts have been secured with local businesses.
- 28 staff have moved to Kingston to work on the project.
- More than \$4,000 in charitable donations have been given to local causes by the contractors (Kiewit, Hatch and Bauer).
- 68 community service hours have been offered by contractors.

E. Project Upcoming Activities

The third quarter of 2021 will continue to see construction work progress at a steady pace. The completion of all the remaining pier caps is imminent. The completion of this work will support the placement of the remaining concrete girders by mid-summer. The erection of the steel main span section of the bridge is also making steady progress with the remaining steel sections to be installed by mid-summer. Construction work has also commenced on the east shore lands which includes the bridge approach, Gore Road reconstruction, and the intersection improvements at both Highway 15 and Point St. Mark Drive. This work will extend into the spring of 2022.

The bridge deck construction has recently commenced at the west shore. This phase of the bridge construction will extend through to early 2022 and involves a considerable amount of work to plan and undertake a significant number of concrete pours to complete the entire bridge deck from the west side abutment to the east side abutment. It is anticipated that this phase of the construction work will require extended working hours. The project team will continue to work with near neighbouring residents on both the west and east shores to provide information regarding the planned work hours as construction work progresses. Nighttime construction noise mitigation measures have been developed and will be utilized including contact information for the construction site supervisor to assist with any complaint handling and resolution.

Existing Policy/By-Law:

None

Notice Provisions:

None

Accessibility Considerations:

The design for the Third Crossing bridge and associated road works includes the provision of accessible sidewalks/pathway, street benches, para-ramps, pedestrian countdown devices and audible pedestrian traffic devices in conformance with the requirements of the provincial Accessibility for Ontarians with Disabilities Act (AODA). The project team will continue to consult with the Municipal Accessibility Advisory Committee and provide updates as required or upon request.

June 22, 2021

Page 7 of 9

Financial Considerations:

Table 1 provides a financial status update of the Third Crossing capital project as of April 30, 2021. The report reflects the approved budget of \$180 million together with total project to date actual expenditure information. The table provides a breakdown of budget and actuals to date, percentage complete and resulting variances as at the end of April 2021. With respect to the overall results, the table summarizes actuals and budget by phases and major work activities to date.

The financial information provided in this report is derived from the financial accounting records of the Corporation as of April 30, 2021. Expenditures (actuals and budget) are tracked using the City of Kingston's corporate financial management system - Microsoft Dynamics. The project team also has access to advanced technology project management software systems and tools as utilized by the contractor, which provides more detailed tracking and cost analysis functions.

To ensure that spending remains within approved budget parameters, staff regularly monitor and review budget variance information through internal cost monitoring and use of cost tracking tools. This allows for variances to be reviewed on a timely and frequent basis to apply any necessary corrective actions.

Overall, the Third Crossing capital project is at 60 percent spent as of April 30, 2021. Actuals to date are \$109 million as compared to the approved budget of \$180 million. Expenditures are tracking as expected based on the construction schedule. The IPD team continues to review and update construction cost and schedule forecasts and assess all opportunities for potential savings to offset against any potential budget impacts that may arise. Increases in design engineering fees over the original budget continue to be supported by the IPD team as an agreed upon investment in additional effort to review and optimize design elements that would translate into additional construction cost savings.

Relatively minor incremental costs due to COVID-19 continue to be incurred by the project. These additional costs include protection measures for workers, worksite cleaning and disinfection, added measures to ensure physical/social distancing with the associated reduction in work productivity. The project team is continuing to forecast and work to mitigate these costs with ongoing assessment of risk factors due to COVID-19.

June 22, 2021

Page 8 of 9

Table 1: Third Crossing Works in Process - April 30, 2021

Financial Performance	Actuals to Date (\$)	Approved Budget (\$)	Variance (\$)	% Spent
Expenditures:				
Validation phase fees	\$4,190,313	\$4,172,160	\$(18,153)	100%
Design engineering fees	\$11,334,236	\$10,852,852	\$(481,384)	104%
Planning & Project management	\$1,885,792	\$3,312,578	\$1,426,786	57%
Construction costs	\$91,366,602	\$161,662,410	\$70,295,808	57%
Total Expenditures	\$108,776,943	\$180,000,000	\$71,223,057	60%

Note: Validation phase fees include pre-design work, pre-planning, project management and early work activities. Validation phase fees are final and complete.

Note: Design engineering costs to date include all design packages, design optimizations and on-site inspection.

Note: Planning & project management costs to date include salaries allocated to capital, communication costs, consulting/owner advisor fees and planning/preparation fees.

Note: Construction costs to date include site mobilization, site preparation, utility relocations, permanent noise fencing, environmental protection measures, bridge abutments, temporary construction access, bridge foundations and piers construction, concrete approach spans, and steel main span fabrication and installation.

The capital project funding for the bridge is based on an equal contribution from the federal, provincial and municipal governments. The Government of Canada, the Province of Ontario and the City of Kingston are each contributing \$60 million. Semi-annual reports are submitted to both the Federal and Provincial governments, as per the reporting obligations specified in the grant funding agreements. Grant claims continue to be processed and submitted by the Third Crossing project staff on a regular basis as the project work continues, and claim payments are being received from both levels of government. To date, \$49.8 million of payments has been received.

Contacts:

Mark Van Buren, Deputy Commissioner, Major Projects 613-546-4291 extension 3218

June 22, 2021

Page 9 of 9

Other City of Kingston Staff Consulted:

Dan Franco, Projects Engineer, Major Projects Office

Scarlet Eyles, Manager of Financial Planning, Financial Services

Nicole MacKinnon, Financial Analyst, Financial Services

Marie Bartlett, Communications Officer, Communications & Customer Experience

Ian Semple, Director, Transportation Services

Jennifer Campbell, Director, Heritage Services

Exhibits Attached:

None