

An architectural rendering of the Johnson Street Bridge Replacement Project. The bridge features a modern design with a large, white, curved arch structure supported by a series of white trusses. It spans a body of water with several small boats. In the background, there are modern buildings and a clear blue sky with scattered white clouds.

Johnson Street Bridge Replacement Project

Governance & Priorities Committee Meeting
September 11, 2014

Progress Update

In July 2014 eight recommendations for improvements to deliver the project were made:

- 1) That the City appoints and delegates authority to one individual as Project Director
- 2) Issues arising on the project are to be dealt with in a timely manner through constructive dialogue and teamwork.

Review Recommendations

- 3) The roles and responsibilities of MMM Group and their performance needs to be reviewed
- 4) Revise the risk monitoring process to focus on a smaller number of risks specific to the project
- 5) The City work with MMM Group and PCL on an appropriate owner's quality assurance plan

Review Recommendations

- 6) Formalize a project schedule in an agreement involving PCL, MMM, and the City, and include the schedule in both contracts
- 7) Undertake a thorough and realistic assessment of potential costs and work with partners to develop strategies to contain costs
- 8) Put in place the recommended Project Governance Strategy outlined in the review

Progress Update

- Since then, the project management approach has changed with the appointment of an interim project director
- a quality assurance program has been implemented
- decisions are being expedited to allow work to proceed in a timely manner
- risks are proactively identified and mitigated

Schedule

- The latest schedule update from PCL continues to show the bridge opening to traffic in January 2016
- The City continues to work with PCL and MMM to define the present contract schedule

Financial Update

- PCL has invoiced \$14.2 million representing 24% of the total contract amount. This includes \$1.74 million for pre-payment of structural steel
- MMM has invoiced \$7.4 million of the \$9.4 million budget for design, administration, and project management
- To date, \$922,880 has been allocated from the construction contingency with \$1.9 million remaining.

Steel Fabrication

- Quality inspections are underway in China to ensure bridge is built to high standards of design
- A recent inspection found some aspects were not fabricated in accordance with design
- Upon discovery of the error work was immediately halted
- PCL, MMM, and the City are working together to resolve the issue

Change Order Request

- City staff have retained an independent engineer to evaluate PCL's change order request
- An opinion to Council is expected in the fall
- PCL has advised they expect to submit an updated change order in the near future related to losses from the delay

Change Order Request

- MMM Group is requesting addition funds for cost overruns and additional services for project completion
- Staff are evaluating the request and will advise Council of their interpretation

Construction Update



Construction Update

- Work is progressing with the construction of the bridge foundations
- Forming the bascule pier
- Significant road and intersection work

Bascule Pier



Intermediate Pier



Harbour and Esquimalt Roads





Upcoming Construction Activity

- Bascule pier will be lowered 5 metres into the harbour in mid-September
- Intersection upgrades will continue at Esquimalt and Harbour Road with traffic switching to the new alignment to the existing bridge in October
- BC Hydro will realign hydro duct on the east side of the bridge in November and December

Upcoming Construction Activity



Retaining Wall on West Side

- A retaining wall is required on the west side to maximize usable property at 203 Harbour Road for future expansion of Point Hope Shipyard
- Work for the retaining wall is separate from the bridge construction budget and funded through the Tax Sale Lands Reserve Fund

Retaining Wall on West Side

- Preliminary “Class C” estimate by MMM was \$1.3 million
- PCL’s bid, based on a design build approach was \$390,000 for design and construction and \$255,000 for off-site soil removal
- The budget was initially approved at \$645,000

Retaining Wall on West Side

- Geotechnical work has shown soil to be poor and require additional pile work and soil removal
- With design now complete an additional \$521,091 will be required to complete the wall
- It is recommended that additional funds be allocated from the Tax Sale Lands Reserve Fund

Recommendation

- That Council approve the allocation of an additional budget increase of \$521,091 for the completion of the construction of the 203 Harbour Road retaining wall. Funds for this will be allocated from the Tax Sale Lands Reserve Fund

Thank You