

HSCA’s Emergency Planning and Response Committee  
**Infrastructure Division**

**Meeting Minutes**

Monday, October 27, 2014 from 7:00 – 9:00 PM  
Tim Tyler Board Room, HSCA

**Attendees:** Mike Bradfield, Peggy McDougall, Brian Bass, Reg Jans, Pat Jans, Krista Kaert, Francois Bouchart, Charlie Lund, Brad Larson, Kerri Treherne

**(1) Status of non-CDI projects** underway that might have an impact on the Sunnyside community. Ideally we can discuss dates when the Sunnyside Flood Task Force (Infrastructure Group) can meet to discuss preliminary results of these studies that affect Sunnyside.

**a. Flood Protection Study: River Flood Protection Conceptual Design**

- First quarter 2015 aim for completion. Reviewing berms and whether they need upgrading. What would it look like if they needed raising. Consultant: Associated Engineering. The sites will be addressed in a prioritized manner within the City of Calgary triple bottom line approach. The solution will likely be a combination of walls and berms.
- Suggest meeting with John Slaney to review the analysis-Charlie

**b. Updated Hydraulic Modeling-Updated Golder Study**

- 1) **Hydrology Study:** 1/100 flow rate is now increased by 10-15 % . Partnered with the Province. Study still in process. The City has requested more detail beyond just the peak flow (e.g. about the curve). **Completion TBA**
- 2) **Hydraulic Study:** HEC RAS model. How does the river perform? River height will be updated by this modelling. Inundation maps will be updated.

**c. Lift Station Resiliency**

**Sanitary pump station:** draft reports done- to be finalized in November 2014. If approved will be designed early 2015 and ideally built by end of 2016.

**Storm pump station:** report pending- is contingent on CDI study, which is in process.

Funding: Sanitary and storm separate funding. Storm may fit both funds in capital budge. Sanitary has a fund specific for Sanitation --to be approved Nov 15/14 City Council.

**d. River Ice Study**

A long-term study. Monitoring for first few years. Some monitoring equipment has been installed. Consultant: external consultant.

**e. Gate B46 repair / improvement**

No updates. Randy Gerling is the key contact and he is away.

**f. Prince’s Island Causeway**

- Internal review of necessity to have the causeway fail. As per Brad 22 cm is the level the river will fall if the causeway fails. It likely will not be removed by may have a release valve. Berms may also be adjusted higher to accommodate for lack of causeway failure.

**g. Ground Water Study** University of Calgary. Cathy Ryan.

- Pat- not able to get Sunnyside as a monitoring site yet.

**(2) Review the Community Meeting of October 23** and agree on next steps

- a) Attendance was lower than expected

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- Next Community meeting Feb or March 2015
- b) Service levels for rainfall during periods of high water**
- c) Costs and impact priority**
- Charlie “1/50 coverage with gates closed is excessive coverage and too expensive”

1/10 coverage is being considered by the City. Reg encouraged aiming higher with a staged approach. We have no water escape route so we should have more protection. We are currently 1 to 2 year level of service when the gates are closed. Realistically a 1/5 level of service with the gates closed is probably reasonable. Need to consider that this is typically a week long event over a month of risk.

1/50 coverage gates open: this is the current CDI commitment . No property damage anticipated at this coverage.

Pump station #1 will be 1/50 with gates open or closed.

Pump station #2 will be 1/50 with gates open. The pipes coming to it are may be 1/10 service if that level of service is chosen.

**(3) Funding / timing:**

- a. Updates to the status of City applications to the provincial Alberta Community Resiliency Program (ACRP) and to the federal Building Canada Fund (BCF) to support projects benefitting Sunnyside.**

Sunnyside’s pump station #1 is number 3 on the ACRP list- we should know end of November if the Province selects this for funding.

Paul has contacted Minister of Environment Kyle Fawcett and has requested a meeting-date pending.

Paul is also arranging a meeting with Michelle Rempel.

The City has applied to Federal Building Canada funds for the entire CDI project. Date of notification TBA. Fund covers 30% so the City still has to make up the 70%; this would come from the CDI budget.

- b. Updates to Water Services plans for “triple bottom line” analysis to support the City of Calgary’s Community Drainage Improvement (CDI) prioritization.**

No updates. Projects are added to the list as they are completed and based in priority based on the TBL assessment.

Brad: proper house counts are needed June and July events 2013. Damages need to be accurately estimated. The City has a formula and Brad thinks that 40,000 might be the average per household. This group felt that was too low and should be adjusted upwards towards 60,000.

- c. Is CDI funding limited by what council will approve? Or is it limited by Water Resources / contractor capacity to deliver. If the former, we should discuss possible advocacy and ways to get more funding for Water Services.**

Council will have a recommendation from Water Resources- to be voted on at Council meeting Nov 2014. Capacity within the departments and the industry is a limiting factor.

**(4) Next meeting of the Sunnyside Flood Task Force (Infrastructure Group).**

Monday, November 24: 7 pm at HSCA Tim Tyler Boardroom

**QUESTIONS:**

- Will land use be based on current or adjusted berms or based on berm failure conditions?