

Minutes : Sunnyside Flood Task Force (Infrastructure Group), Tuesday April 12, 2016 from 7:00 – 9:00 PM in the Slate Room at HSCA.

- (1) Attendance: Charlie Lund; Tim Kitchen; Kerri Treherne; Paul Galachiuk; David Brindle; Brian Castle; Peggi McDougall; Pat Jans; Reg Jans; Michael Bradfield; Deborah Murray; Richard Bolt
- (2) Barrier Study (ie Berm upgrades): Frank Frigo of Water Resources gave a presentation on the Barrier Study.
 - Frank’s presentation contains preliminary information and is not for general circulation.
 - A copy of the presentation can be found on Dropbox at (...)\Dropbox\HSCA Flood Task Force\-- Infrastructure - Technical\Sunnyside Flood Task Force 2016-04-12-withfooter.pdf
 - Design considerations: erosion protection, ground water, storm water.
 - Many existing barriers in Calgary were designed only to protect against ice jams.
 - 2015 study identified 78 km of flood protection in 26 different locations
 - Study uses new, revised hydrology fro 1:100, 1:200 etc
 - Proposed barriers: earthen where feasible (cheaper), or concrete walls where necessary
 - Ground water is most difficult to assess and protect against
 - Ground water barriers need not go to bedrock where pumping is available
 - For Sunnyside a 1:100+0.5m freeboard barrier with seepage relief drain for ground water is estimated at \$29M. Strongly supported by TBL analysis. Even a 1:200 barrier is positive by TBL (1:200 is 2300cms).
 - Frank is a member of the Bow River Working Group which has an upstream focus.
 - Barrier construction funding will exceed the capacity of ACRP to other funding will be required. Notice has been given to the Federal gov’t for the \$500M need for this project.
 - Anticipate study finalization in 2016 and presentations for funding could be made as early as Sept 2016.
- (3) Charlie Lund reported on his attendance at the Flood Mitigation Measures Assessment Community Advisory Group. Information can be found: <http://www.calgary.ca/UEP/Water/Pages/Flood-Info/Stay-informed/Flood-Mitigation-Measures-Assessment.aspx>

Attention was drawn to the May 3 City flood meeting at Foothills Academy. Attendance is encouraged.
- (4) The next meeting will be Thursday April 21 with one a focus on interim mitigation. The following meeting will be Tuesday May 10. Topic tbd, but we will try for:
 - Insurance Risk perspective
 - Transalta Dam Management
- (5) Adjourn