

MINUTES

BOARD OR COMMISSION: Capital Improvements DATE: September 10, 2013
MEETING: Regular X Special _____ CALLED TO ORDER: 7:33 PM
QUORUM: Yes X No _____ ADJOURNED: 10:12 PM

MEMBER ATTENDANCE:

PRESENT: Chairman Colliander, Commissioners Brugh, Burton, Lane, Lindquist, O'Carroll, Pryde, Ryne and Thelen

OTHERS: Trustee Liaison Clark, Director Hansen and Professional Engineer Bob Minix

ABSENT: None

AUDIENCE: None

CALL TO ORDER:

The September 10, 2013 meeting of the Capital Improvements Commission was called to order at 7:33 PM by Chairman Colliander. A quorum was present.

AUDIENCE PARTICIPATION:

None.

APPROVAL OF MINUTES:

Commissioner Lindquist moved to approve the August 13, 2013 regular meeting minutes. The motion was seconded by Commissioner Burton and carried unanimously.

TRUSTEE REPORT:

Trustee Clark reported on matters discussed recently by the Village Board. The decision to remove the Parkside apartments from the Roosevelt TIF was supported by the apartment residents, but opposed by others concerned that it will make that section of the TIF more difficult to develop. The materials to be used to construct the commuter lot on Duane were discussed by the Board. Decorative paver inserts will be used on the sidewalk as a test to see if they will be desirable in other Village locations. Commissioners noted that the lot will create an additional 47 parking spots for commuters, and also overflow for events at St. Petronille.

NEW BUSINESS:

LAKE ELLYN STUDIES AND CURRENT INITIATIVES

P.E. Minix started his presentation by noting that stormwater continues to be an issue for the Board of Trustees and this Commission. The Lake Ellyn Hydrologic and Hydraulic Study report completed in April 2012 will be supplemented to include more recent information and rain events. The study objective is to assess the impact of improvements and other changes within the Lake Ellyn tributary drainage system, to assess lake performance during storm events, and to recommend improvements to reduce and better handle lake overflows during extreme events. There are 600 acres that drain into the facility, including the Central Business District.

Lake Ellyn was created in the 1880s by constructing an earthen dam at the north end. There are two inlets on the southeast and southwest ends, and because it is a low spot, water drains from nearby streets into the Lake. The dam is inspected on a regular basis and after every overflow event. Efforts are taken as required to mitigate any erosion from overflows. In 1991, the dam was raised one foot, deliberately allowing impounded water to cover the athletic field. At that time, discharge was limited to 28 cubic feet per second. One recommendation has been to increase that discharge rate to 37 cubic feet per second.

Lake Ellyn discharges flow to Perry's Pond and eventually to the East Branch of the DuPage River. The maximum normal discharge from Lake Ellyn is mandated by County ordinance. If there are overflows, the Village is obligated to get the water into Perry's Pond without causing damage. The challenge is to determine the most cost effective way to relieve the capacity.

Commissioners discussed the impact of various changes in the Village. With storm sewer upgrades made since the adoption of the 1979 Stormwater Master Plan, stormwater is more readily conveyed into Lake Ellyn. Increases in impervious area in the Lake Ellyn drainage area have increased the volume of storm runoff into the storm sewer system. The Village has not investigated the use of bioswales up to this point as a means of reducing runoff.

The Village Board has approved a more comprehensive study on the impact of additional outflow into Perry's Pond and the DuPage River. The key is the maximum allowable discharge from Lake Ellyn. The restrictor plate has already been removed at the outlet control structure, which controls how much water leaves Lake Ellyn. Overtopping of the Lake Ellyn dam cannot be prevented in every circumstance.

P.E. Minix reviewed what happens to water overflowing from Lake Ellyn towards Perry's Pond. The low point of the natural flow across Riford Road is not where the constructed channel lies, causing some unintended consequences. Commissioners discussed suggestions on how to capture more water in the channel rather than relying on conveyance around homes, focusing on two homes with chronic flooding issues, and without using the Park District's Perry Preserve.

The consultant has recommended increasing the discharge from Lake Ellyn to the maximum allowed by the County; however, modeling must be done to show that such an increase will not cause problems downstream. Other suggestions are to widen the weir at the outlet control structure, regrade side yards at Riford Road homes and install a 42 inch culvert under Riford to connect Perry's Preserve with the Pond. The existing channel and the Pond can handle more water, but other sources of water need to be taken into consideration. Only so much water can flow into the Pond at once. The current estimated cost to implement currently recommended improvements is approximately \$300,000.

The Village is committed to making flood control improvements on the Lake. Currently, work is being done on the modeling and plans for revising the outlet structure. Staff is also reviewing the reports from 1991 and 2012 to determine what has changed since they were produced. There should be a decision by the end of October on whether or not the Lake Ellyn discharge can be increased to 61 cubic feet per second. If so, the existing outlet pipe can be opened by November, at which point a new structure can be designed and be put in place next summer. In addition, staff is in discussion with certain homeowners on Riford concerning possible solutions to ease flooding while increasing flow capacity to the Pond.

P.E. Minix noted that significant improvements were made to the Lake area in 1991, including increasing the capacity of the Lake by 16 acre/feet, and that those improvements have worked as designed. However, there have been three overtopping events since 2008 (with such events originally anticipated to be very rare), and now the issue is outflow engineering since the likelihood of future flood events is very high.

PRIVATE PROPERTY DRAINAGE ASSISTANCE POSSIBILITIES

Director Hansen discussed two other challenges with storm water. The first is that some backyards become inundated to the point that water drains into basements, sheds, etc. and sits for several days creating mosquito and other hazards. Currently there is no Village assistance program. In some instances, a cost sharing plan to facilitate draining into the street could be developed. The second challenge is sump pump discharge into streets and sidewalks in winter. The sump pumps need to be connected to the storm water system. Each situation is different, and the Village is looking into ways to address these issues using a limited pool of money.

OTHER BUSINESS:

Staff has asked if the Commissioners would be open to beginning meetings at 7:00 PM starting in January 2014. Chairman Colliander polled the Commissioners. Two said that the modified starting time would probably make them late to the meetings. The consensus was that starting the meetings at 7:00 PM to be in accord with other evening Village meetings would be workable.

Chairman Colliander asked if Commissioners would be open to receiving their packet materials via email in .pdf format rather than mail or hand delivery. There will be a few hard copies at the meetings for reference. The consensus was to try it and see if there are any problems.

P.E. Minix said that the Village Board would be considering the Commission's recommendation on Lenox and Linden at its next meeting. Although P.E. Minix will be in attendance, he expressed the importance of having Commissioners there to answer questions, particularly as the Board liaison during those deliberations is no longer on the Village Board. Clarification was provided on the CIC intentions regarding the length of curb "bumpouts" along the east side of Lenox between Linden and Essex.

PROJECT REPORT:

P.E. Minix reported that that Oak Street water main lining is complete. Although the Oak Street project is behind schedule, the 2013 Street Improvements Project is ahead of schedule. There is a nice plan for the Brandon sidewalks, and the sidewalk on Oak has been installed in the in conformance with the plans reviewed by the CIC.

ADJOURNMENT:

Commissioner Lane moved to adjourn the meeting. Commissioner Pryde seconded the motion, and it was carried unanimously. The September 10, 2013 meeting was adjourned at 10:12 PM.

Submitted by Karen Blake, Recording Secretary
Reviewed by R. Minix, Village of Glen Ellyn Public Works