

# MEMORANDUM

May 28, 2010

TO: Steering Committee

FROM: Thomas T. Burke, Jr., PhD, PE

SUBJECT: Floodplain/Floodway Proposed Revisions  
(CBBEL Project No. 09-0145)

This memorandum summarizes the initial proposed revisions to the floodplain/floodway portion of the *DuPage County Countywide Stormwater and Flood Plain Ordinance* (Ordinance). These discussion points have been the main topics of discussion at the five Floodplain/Floodway Sub-committee meetings. These proposed revisions consist of the following:

- 1) Hydraulic modeling using FEQ and regulatory models
  - a) Minimize the number of projects that require using two hydraulic models for one application.
  - b) Use FEQ elevations (if the FEQ elevation is higher) for low entry elevation if model is part of a Watershed Plan or Interim Watershed Plan.
- 2) Tolerance in water surface elevation and flow
  - a) Modify the current allowable water surface elevation tolerance of 0.0 ft to match the 0.1 ft allowed by the Illinois Department of Natural Resources – Office of Water Resources (IDNR-OWR)
  - b) Allow tolerance differences of 5% of flow changes
- 3) Appropriate uses of floodway.
  - a) Modify the current list of appropriate uses to match IDNR-OWR.
    - i) Open space and recreational facilities.
  - b) Appropriate uses are not limited in the flood fringe area. It is anticipated that discussion regarding Zone A floodplain being considered floodway will be discussed.

It should be noted that this is not an all-inclusive list, but these topics are the first focus of the floodplain section revisions. Additional suggestions for the floodplain/floodway and streambank stabilization portions of the Ordinance will be brought to the Steering Committee.

TTB/  
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