

RESOLUTION NO. 9798-R17

A RESOLUTION RESPECTING IMPROVEMENTS TO BE MADE BY THE
CITY OF CHAMPAIGN TO THE BONEYARD CREEK

WHEREAS, the City of Champaign has submitted to the Illinois Department of Natural Resources, the Illinois Environmental Protection Agency and to the U.S. Army Corps of Engineers, a permit application for certain improvements to the Boneyard Creek (Phase I); and

WHEREAS, the City of Urbana, being a downstream municipality, has been reviewing the information upon which plans are being developed and has retained the engineering firm of RUST to assist in analyzing Champaign's permit application.

WHEREAS, RUST includes in its analysis mention of the fact that some of the plan and design work is of a preliminary nature.

WHEREAS, the success of the University of Illinois's portion of the project (hereinafter "Phase 1c") is directly linked to the Lamar In Line Storage portion of the project (hereinafter "Phase 1b").

NOW, THEREFORE, BE IT RESOLVED, by the Urbana City Council that after review of the analysis of the Healey Street Detention Basin portion of the Boneyard Improvement Plan (hereinafter "Phase 1a") that the City of Urbana finds this portion of the project to be acceptable and believes that the basin will help to alleviate flooding problems that Champaign, the University, and Urbana experience.

AND BE IT FURTHER RESOLVED, that based on findings by RUST that portions of the Lamar In Line Storage (Phase 1b) and University of Illinois (Phase 1c) designs based on the plan are still preliminary in nature, that the City of Urbana urges the Illinois Department of Natural Resources not to grant the permit for Phase 1b and Phase 1c until the following conditions are met to the satisfaction of the Mayor and City Council of the City of Urbana.

The conditions mentioned above are as follows:

1. The City of Urbana shall remain fully involved in the review process, including review of the engineering plans and final computer modeling prepared for the proposed Phase I improvements and the development of channel improvements in the reach of the Boneyard Creek through the University of Illinois. Future phases of the plan shall also be fully reviewed as they are designed and proposed for implementation; and

2. The City of Urbana shall obtain and review supporting calculations and documentation used for the design of all proposed control structures in all phases. Review shall also be completed for future phases which include proposed modifications to flow restrictors installed as part of the overall improvement plan; and

3. The City of Urbana shall work with the City of Champaign, the University of Illinois, the Illinois State Water Survey and the U.S. Geological Survey to improve the collection of data required to assess the hydrologic and hydraulic performance of Boneyard Creek. The data targeted for collection should include the following:

(a) Improved precipitation data, including time distribution and spatial variation of rainfall for individual events. For example, install additional continuous recording rainfall gages within the watershed and pursue the collection of radar data to augment the gage data.

(b) Improved stage and flow data that can be used with confidence to determine flood flows and stages in both Champaign and Urbana. This task may consist of selecting alternate locations for measuring peak flood stages and improving the means currently used to obtain data at the USGS gage for extreme flood events.

(c) Water levels in the Healey Street detention facility as well as performance of the diversion, by-pass and discharge from the basin. The current monitoring proposed for the Healy Street facility does not include measurement of water surface elevations within the basin or the measurement of diverted flows to the basin. The collection of this additional information would provide the opportunity to perform model calibration at the Healy Street detention facility, which would be extremely beneficial to verify the performance of the Phase I improvements and to clearly demonstrate that future improvements will meet the original objectives through modification of the Healy Street facility.

4. The information specified in Item 3 (see above) shall be used by the City of Urbana, the City of Champaign, and the University of Illinois to assess the performance of the system during storm events. If a storm event results in flooding in the City of Urbana, then the City of Urbana, the City of Champaign, and the University of Illinois will commit to performing an analysis to determine the cause of the flooding and shall take action to eliminate the problem at the expense of University of Illinois or the City of Champaign, if it has resulted from the improvements constructed during the implementation of the Boneyard Creek Improvement Plan.

5. The City of Urbana will work with the City of Champaign and the University of Illinois to adopt an agreement that will address the responsibilities of each with respect to the Boneyard Creek as outlined in Items 3 and 4 above.

6. The City of Champaign should complete additional modeling and analysis as required by Regulatory agencies to verify the performance of the proposed Phase I improvements before implementing future phases of the improvement plan or constructing modifications to Phase I, such as enlarging flow restrictors. Analysis that includes the use of the additional data specified in Item 3 (see above) should be the basis for demonstrating that future phases of improvements meet the plan objectives and will not result in adverse impacts to the City of Urbana.

BE IT FURTHER RESOLVED THAT the City of Urbana respectfully requests that the City of Champaign and the University of Illinois respond in writing to this Resolution indicating that the City of Champaign and the University of Illinois will work cooperatively with Urbana to satisfy the above recommendations.

That certified copies of this Resolution be mailed by the City Clerk to: The City Clerk of the City of Champaign, the Office of the Secretary of the Board of Trustees of the University of Illinois, the Illinois Department of Natural Resources, and the U.S. Army Corps of Engineers.

PASSED by the Urbana City Council this 15th day of December, 1997.



Phyllis D. Clark
Phyllis D. Clark, City Clerk

APPROVED by the Mayor this 15th day of December, 1997.

Tod Satterthwaite
Tod Satterthwaite, Mayor