



Council Communication

Office of the City Manager

Date May 21, 2007

Agenda Item No. 34
Roll Call No. 07-
Communication No. 07-296
Submitted by: William G. Stowe, Assistant
City Manager/Public Works/Engineering, and
Jeb E. Brewer, P.E., City Engineer

AGENDA HEADING:

Approving amended and substituted Chapter 28E agreement for a Community Sponsored Automated Flood Warning System.

SYNOPSIS:

This Chapter 28E Flood Warning Agreement amends and replaces the Memorandum of Understanding and Chapter 28E Agreement for the Establishment of an Automated Flood Warning System entered into by Des Moines, West Des Moines, Clive, and the National Weather Service on May 2, 1988, and the Amended and Substituted Memorandum of Understanding and Chapter 28E Agreement for a Community Sponsored Automated Flood Warning System entered into on December 5, 1994, for operation of the Des Moines Metro Automated Flood Warning System.

FISCAL IMPACT:

Amount: Approximately \$250,000 to fund operating, maintenance, and study of Automated Flood Warning System (\$141,000 approximate cost to the City of Des Moines). The funding allocation is based on the benefits to each City from each station; for instance the costs for the stations on Walnut Creek, and the Raccoon River are split 3-ways while Des Moines pays the cost of the stations on Four Mile Creek, and the Des Moines River. The total funding allocation is:

- 56.44% City of Des Moines (approximately \$141,000)
- 23.62% City of West Des Moines
- 19.94% City of Clive
- Funding Source: Storm Water Utility - EN301, PWK 077010, Flood Early Warning System Maintenance, Page 315, 2007-2008 Operating Budget

ADDITIONAL INFORMATION:

The Automated Flood Warning System has been implemented in high-risk flash flood areas, utilizing state-of-the-art techniques which can be incorporated into an operational flood warning program. The System provides river stream heights, automated rain gauges, assists the National Weather Service in making accurate forecasts, and provides pertinent data to Public Works Operations personnel that help them in flood fighting operations. The overall concept calls for federal, state, and municipal cooperation. The National Weather Service and the City of Des Moines, City of West Des Moines, and City of Clive, agree to cooperate in the operation, maintenance, repair and upgrading of the Automated Flood Warning System to allow for advance flood warning for the Metropolitan Area of Des Moines, Iowa. The City Councils of West Des Moines and Clive have approved this 28E agreement.

This 28E Agreement included funding to hire a design consultant to study the existing Flood Warning System and make recommendations for future improvements and expansion. The 28E Agreement will also include Capital Improvements that are recommended in the study, as well as regular maintenance and cost associated with the Flood Warning System

PREVIOUS COUNCIL ACTION(S):

Date: September 13, 1999

Roll Call Number: 99-2749

Action: Approving First Addendum to Amended and Substituted Memorandum of Understanding and Intergovernmental 28E Agreement for Community Sponsored Automated Flood Warning System. (Council Communication No. 99-395). Moved by McPherson to adopt. Motion Carried 7-0

Date: May 28, 1996

Roll Call Number: 96-2001

Action: Intergovernmental 28E Agreement between City of Des Moines, City of West Des Moines and Board of Water Works Trustees for establishment of a flood-warning and river-height gaging station on Raccoon River at 63rd Street, Walnut Creek at 63rd Street (known as 1st Street in West Des Moines) and Raccoon River at City of Van Meter and Fleur Drive. Moved by Vlassis to adopt. Motion Carried 7-0.

Date: December 5, 1994

Roll Call Number: 94-4646

Action: Approving the amended and substituted Memorandum of Understanding and Chapter 28E Agreement for a Community Sponsored Flood Warning System. Council Communication No. 94-477. Moved by Hensley to adopt. Motion carried 7-0

BOARD/COMMISSION ACTION(S): NONE

ANTICIPATED ACTIONS AND FUTURE COMMITMENTS:

Normal Council actions on consultant services for design and construction administration, and construction contracts for future flood warning projects.