



DATE: March 18, 2019

TO: Steve Ehlmann, County Executive
Joann Leykam, Director of Administration

CC: John Watson, County Counselor
Donna Vogt, County Council

FROM: Michael Hurlbert, Director of Community Development

RE: Item for March 25, 2019 County Council Meeting

The Community Development Department is submitting the following item for the March 25, 2019 County Council Agenda.

BILL FOR INTRODUCTION:

An Ordinance authorizing the County Executive to execute an agreement between the U.S. Geological Survey (“USGS”) and St. Charles County, Missouri, for development of a flood inundation map for flooding along Dardenne Creek in St. Charles County, Missouri.

This program will allow the County to better prepare for flooding events by effectively monitoring water levels and conditions between existing stream gauges on the Dardenne Creek between Highway K in O’Fallon and Old Town St. Peters. The County attempted to pursue a Silver Jackets grant application with the Corp of Engineers several years ago in an effort to increase flooding analysis, planning and remediation projects, including clearing out sediment buildup at the I-70 bridge that contributed to flooding over the Interstate. That application was unsuccessful; however this program will allow the County to better achieve the analysis portion of that previous attempt.

The program cost is split among the USGS, MoDOT, St. Charles County, and the cities of St. Peters and O’Fallon, as follows:

PROGRAM		COST
	Model development and calibration	\$25,100
	Model simulations	\$13,500
	Map generation	\$19,100
	Report deliverable	\$13,700
Total		\$71,400
USGS Cooperative Match		\$32,105
St. Charles County		\$6,433
St. Peters		\$6,431
O’Fallon		\$6,431
MoDOT		\$20,000