



## CITY COUNCIL AGENDA ITEMS

**To:** Mayor Graham and City Council  
**From:** Dennis Sullivan, Director of Engineering & Public Works  
Walter Denton, City Administrator  
**Date:** June 19, 2006  
**Subject:** RESOLUTION - Agreement with Hoelscher Engineering for Professional Services Associated with the Development of Hydrologic and Hydraulic Modeling for FEMA-Related Floodplain Modifications and Revisions

**List of committees that have reviewed:** None have seen this proposal; however, this issue has been discussed at the Public Works Committee as previous FEMA mapping was woefully inadequate for St. Clair County and particularly O'Fallon.

**Background:** The existing FEMA floodplain mapping is based on old USGS quadrangle maps. Many roads and water features are inadequately displayed causing confusion when the rather poor modeling of floodplains for O'Fallon are displayed on that mapping. Cities wanting better mapping and modeling must assist FEMA contractors if they want better quality data and mapping for their city. Hoelscher has experience in working with FEMA contractors and can assist them, review their work and make corrections to their work. Better floodplain mapping will assist O'Fallon residents attempting to reduce their flood insurance premiums that are inaccurately applied due to the poor existing FEMA-mapping.

**Legal Considerations, if any:** None beyond that for obtaining consulting services.

**Budget Impact:** Funding for this design work will come from Proposition S funds set aside for storm water engineering.

**Staff recommendation:** Staff recommends execution of the RESOLUTION agreement with Hoelscher not to exceed the amount of \$19,900.00 for the subject services needed to support the FEMA mapping and modeling effort.