

AGENDA



Thursday, February 25, 2010

**Watershed Protection Department
RECOMMENDATION FOR COUNCIL ACTION****Item No. 54**

Subject: Authorize negotiation and execution of an Interlocal Cooperation Agreement with the Texas Water Development Board (TWDB) for a volumetric survey of Lady Bird Lake, in an amount not to exceed \$4,995.25.

Fiscal Note: A fiscal note is not required.

For More Information: Ed Peacock, 974-2224; Mary Gilroy, 974-2717

Prior Council Action: August 7, 2008 - Original contract for bathymetry approved.

In August 2008, Council approved an Interlocal Agreement with the Texas Water Development Board (TWDB) for a volumetric survey of Lady Bird Lake in the amount of \$19,981. The survey, described below, has been completed, and 75% of the original Agreement amount paid to TWD. The agreement expired before TWDB completed analysis of the survey data. This action will authorize a new Interlocal Agreement with TWDB to complete the analysis and reporting, including a 60 day review and comment period.

TWDB has performed a volumetric survey of Lake Lady Bird, collecting bathymetric data, or depth measurements to develop an updated elevation-area-capacity table and associated maps, including a contour map and shaded relief plot of the lake bottom. The last bathymetric survey of this water body was conducted by TWDB in 1999, and several significant floods have occurred in the intervening period. An updated survey will provide information relating to accumulation and loss of sediment in creek deltas and along the lakeshore, as well as change in lake volume. These data are also used in locating and mapping submerged nuisance vegetation, such as Hydrilla, for floodplain mapping at creek mouths, and as a frame of reference in developing detailed designs for projects involving shoreline or underwater construction.

No new funding is required for this contract, as the original funding for the complete study is still available. This Agreement applies to the portion of the original contract that has not already been paid to TWDB in the amount of \$4,995.25.