

## CIP EXPENSE DETAIL

**DATE OF COUNCIL CONSIDERATION:**  
**CONTACT DEPARTMENT(S):**

11/3/11  
WPD

**SUBJECT:**

Authorize negotiation and execution of a 12-month Interlocal Agreement with Texas AgriLife (TAL), of the Texas A&M University System for the time and expertise of TAL engineers and staff to develop additional water quality modeling capabilities in a cooperative project with City of Austin staff, with three 12-month extension options, for a total contract amount not to exceed \$100,000.

**CURRENT YEAR IMPACT:**

<b>Department:</b>	<b>Watershed</b>
Project Name:	Watershed Info Mgmnt & Model
Fund/Department/Unit:	4850 6307 2101
Funding Source:	DUF Funds
Current Appropriation:	436,000.00
Unencumbered Balance:	150,525.31
Amount of This Action:	(100,000.00)
Remaining Balance:	<u>50,525.31</u>

**ANALYSIS / ADDITIONAL INFORMATION:**

The interlocal agreement with TAL builds on past work between the City and TAL (previously known as Texas Agricultural Experiment Station, or TAES) by developing additional water quality modeling tools focusing on Low Impact Development (LID) / Green Infrastructure and by providing enhancements to existing tools. The result provides the capability to simulate urban watershed characteristics and the benefits from implementation of Best Management Practices (BMPs). The implementation of the existing Soil and Water Assessment Tool with the additional capabilities provided by the scope of this agreement provides integration of extensive data in both planning and assessment phases. The model will incorporate the department's geo-spatial information as maintained with the latest GIS technology.

The Master Plan process and individual assessment of watershed impacts from projects such as change in land use are dependent on accurate predictions of water quality changes. The improved tools will provide better comparisons of benefits between different BMPs or combinations of BMPs; provide for evaluation of the impacts of different development scenarios, such as Imagine Austin, on area waterways; and will evaluate the effects of different projects on individual watersheds.