

CIP BUDGET Expense Detail

DATE OF COUNCIL CONSIDERATION:
CONTACT DEPARTMENT(S):

5/22/14
Austin Transportation

SUBJECT: Authorize award, negotiation and execution of a 36 month requirements service contract with KIMLEY HORN & ASSOCIATES, INC for on-going enhancements and maintenance and support for their proprietary Advanced Transportation Management System (ATMS) in an estimated amount not to exceed \$1,965,000, with two 12-month extension options in an amount not to exceed \$500,000 per extension option, for a total contract amount not to exceed \$2,965,000. Funding in the amount of \$365,000 is available in the Fiscal Year 2013-2014 Capital Budget of the Austin Transportation Department. Funding for the remaining 32 months of the contract period is contingent upon available funds in future budgets.

CURRENT YEAR IMPACT:

| | |
|----------------------|---------------------------------|
| Project Name: | KITS Advanced Bicycle Detection |
| Funding Source: | 2012 G.O. Bonds |
| Fund/Dept/Unit: | 8112 2507 A335 |
| Current Budget | 365,000 |
| Unencumbered Balance | 0 |
| This Action | <u>365,000</u> |
| Estimated Available | <u>0</u> |

ANALYSIS / ADDITIONAL INFORMATION: This contract with Kimley Horn & Associates, Dallas, Texas is for enhancements to the existing Kimley-Horn Integrated Transportation System (KITS). KITS is currently used to monitor and manage numerous Intelligent Transportation System (ITS) devices throughout the City of Austin including traffic control signals, Dynamic Messaging Signs (DMS), Closed Circuit Television (CCTV) cameras, traffic detection systems, GPS-enabled priority signal operation for emergency vehicles and for Bus Rapid Transit (BRT) vehicles, and a web page with up-to-date information in regard to traffic conditions, roadway closures, incidents, and events. This initial contract was competitively bid and a selection was made by a broad range of City staff based on qualifications and price. A new contract is required to complete several additional enhancements needed by the City as well as to provide for ongoing maintenance of the existing system.

An initial project enhancement to be implemented under the new contract will be Advanced Bicycle Detection. The City of Austin has a significant number of active cyclists. During the ATMS project kickoff, issues were identified related to bicyclists not being detected at intersections by traditional methodologies. This project will develop and integrate an innovative approach to advanced bicycle detection using a smart phone application which will enhance mobility and cyclist safety. Examples of future potential enhancements covered by this contract may include items such as Crowdsourcing for Signal Re-timing, Emergency Vehicle Pre-emption, Center-to-Center Communication with TxDOT, Traveler Information System Enhancements and a Road Weather Information System.