



January 9, 2007

AGENDA ITEM NO.

COUNCIL MEETING 1/09/07

APPROVED BY

DEPARTMENT DIRECTOR

CITY MANAGER

FROM: JON R. RUIZ, Interim Director  
Public Works Department

BY: SCOTT KRAUTER, Design Services Manager  
Public Works Department

SUBJECT: APPROVAL OF PROFESSIONAL SERVICES AGREEMENT WITH TRANSMAP IN THE AMOUNT OF \$999,999 FOR CITYWIDE PAVEMENT ASSESSMENT AND ASSET INVENTORY SERVICES, AND AUTHORIZE PHASE I OF THE AGREEMENT IN THE AMOUNT OF \$730,930

#### KEY RESULT AREA

Financial Management

#### RECOMMENDATIONS

1. Authorize the Public Works Director or his designee to execute the Professional Services Agreement with Transmap in the amount of \$999,999; and
2. Approve a purchase order in the amount of \$730,930 to authorize a notice-to-proceed for Phase I of the professional services agreement.

#### EXECUTIVE SUMMARY

In order to ensure that our roadway maintenance dollars are expended on those locations that provide for the greatest pavement life cycle it is necessary to develop a pavement management assessment and asset management program. Several years ago the Departments of Public Utilities and Works identified the Hansen Software as an industry leader in infrastructure asset management software systems. Both Departments partnered to purchase the basic software. Public Works has recently purchased the pavement management and asset inventory modules and are ready to proceed with the initial data collection and pavement condition assessment.

To accomplish the required data collection, staff issued a request for qualifications for professional services for the collection and reduction of the pavement condition and asset inventory in accordance with City policies. Based on this RFQ staff has selected Transmap as the most qualified firm and have completed negotiations for scope and price. Transmap is a preferred Hansen Software service provider, and has utilized this method for more than 60 public agencies nationwide to collect data and develop fully functional asset and pavement management systems.

The negotiated contract is comprised of two phases:

- o Phase I includes collection of roadway data throughout the City, and the analysis to develop a pavement condition index on all city streets. Fee for services: \$730,930.
- o Phase II includes the remaining analysis of the data collected in Phase I to identify key roadway features and locations such as: traffic signs, pavement markings, signal/street light equipment, fire hydrants, curb ramps, etc. Fee for services: \$269,069.

### **KEY OBJECTIVE BALANCE**

The approval of the agreement balances the Key Objectives of Customer Satisfaction, Financial Management and Employee Satisfaction, with emphasis on Financial Management. Financial Management and Employee Satisfaction objectives are improved by providing more efficient programming of roadway maintenance funds. Customer Satisfaction is enhanced through a structured maintenance program that addresses critical areas first.

### **BACKGROUND**

The Public Works Department recognizes the need to develop a Pavement Management System and an Asset Inventory system. The need for this system is several-fold. The first is to allow staff to effectively program maintenance activities to extend the useful life of the pavement. The second is to comply with the mandated Governmental Accounting Standards Board requirements under their Rule 34 (GASB 34) which requires public agencies to have in place a system for monitoring and inventorying fixed assets. In response to that need, the Public Works Department prepared a request for qualifications for collecting and integrating the data into the existing City systems. Transmap was selected as being the best qualified firm.

Under the recommended two phase agreement Transmap will utilize vans equipped with digital imaging/global positioning satellites to collect data along 2002 miles of existing city streets. Phase I of the agreement consists of two tasks: collection of digital images and GPS location of assets throughout the City; and loading the pavement conditions into the Hansen pavement management module. The deliverable of Phase I will be a functional system with pavement condition index assigned to each street segment throughout the City. This will allow street maintenance activities and associated budgets to be effectively programmed to extend the pave life cycle.

Phase II includes additional reduction of the data identify location and condition of other street furniture assets such as signs, pavement markings, pedestrian crossings, signal equipment, manholes, water valves, storm drain inlets, bus stop benches and canopies, fire hydrants, curb ramps, street lights, etc. These assets will be loaded into the Hansen software which will be used to track and program maintenance activities.

Staff has negotiated a fee of \$999,999 for both phases of the agreement, which represents a 20 percent discount from Transmap initial fee. Currently \$750,000 in appropriations is available to fund Phase I in the amount of \$730,930. Phase II is proposed to be budgeted in FY 08 with an anticipated authorization to proceed to be issued in mid-July after budget deliberations. The

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recommended agreement contains language that the City is not obligated to authorize Phase II unless funds are available.

The City Attorney's office has approved the professional services agreement as to form.

**FISCAL IMPACT**

There is \$750,000 currently appropriated in the FY 07 Budget for Phase I services. Phase II of the agreement (\$269,069) is proposed to be funded in 2008 fiscal year budget as a part of Street Maintenance operations.

JRR/MTK/SWK/eam  
Apprv Prof Svc Agrmt Transmap Pavement Assmnt 1-9-07mtk