



## **AGENDA MEMORANDUM**

Action Item for the City Council Meeting of September 29, 2015

**DATE:** September 15, 2015

**TO:** Ronald L. Olson, City Manager

**THRU:** Gustavo Gonzalez, P. E., Assistant City Manager of Public Works and Utilities  
gustavogo@cctexas.com  
(361) 826-3897

Valerie H. Gray, P. E., Executive Director of Public Works  
valerieg@cctexas.com  
(361) 826-3729

**FROM:** Andres Leal, Jr., P.E., Interim Director of Street Operations  
[andyl@cctexas.com](mailto:andyl@cctexas.com)  
(361) 826-1957

Jerry Shoemaker, P. E., Senior Program Manager, Capital Programs  
[jerrys2@cctexas.com](mailto:jerrys2@cctexas.com)  
(361) 826-3516

<p><b><u>Engineering Professional Services Contract</u></b> <b>Automated Pavement Condition Index Survey</b></p>
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### **CAPTION:**

Motion authorizing the City Manager, or designee, to execute a contract for professional services with Transmap Corporation in the amount of \$372,125.70 for the Automated Pavement Condition Index Survey project.

### **PURPOSE:**

The purpose of this Agenda Item is to obtain authority to execute a contract for professional services for the Automated Pavement Condition Index Survey project Base Bid 1 (Automated Pavement Condition Index survey), Base Bid 2 (Automated inventory of various street network components), Base Bid 3 (integrated system), plus Additive Alternates 1 (library of reports) and 2 (technical support).

### **BACKGROUND AND FINDINGS:**

The Street Operations Department has historically collected pavement condition index (PCI) scores manually. This methodology requires the use of two full time staff to inspect over a period of three years the City's entire 1,234 centerline miles of street system. PCI scores are used to evaluate street pavement condition that drives either maintenance or reconstruction work.

In Fiscal 2015 Street Operations budgeted to implement an automated PCI survey as a more efficient, and timely method of updating PCI scores for the street network. A Request for Proposal (**RFP 2015-06**)

was issued in July 2015. The RFP consisted of three Base Bid Items: Automated PCI Survey (Base Bid 1), Street network operational components inventory (Base Bid 2), and Integrated Software System (Base Bid 3) as well as two Additive Alternates (a library of reports and continued technical support). Two firms responded to the RFP: IMS Infrastructure Management Services and Transmap Corporation. Both contractors were fully qualified and bring good past performance. Transmap was determined to be the best value to the City with the lowest proposed cost.

**Base Bid 1**, the automated PCI survey, will be done using a van equipped with the latest high tech laser line projectors, high speed cameras, and advanced optics to acquire high resolution profiles of the street while driving on the street. Instead of taking three years to complete a survey of the street network, the automated survey will determine PCI scores for all streets within the City in only a few months with the results directly transferred into City databases. Subsequent automated PCI surveys are anticipated to be contracted and performed every two years in order that data is kept up-to-date.

**Base Bid 2** provides an automated inventory of various street network operational components such as signs, markings, signals, curb and gutter, etc. These additional pieces of data will be acquired at the same time that the pavement condition survey is performed and will be incorporated into the City's various software systems (GIS, Cartegraph, etc.) for use by the Street Operations Department.

Finally, Street Operations uses multiple platforms (MicroPAVER, GIS, Maximo, Cartegraph, Microsoft Access) in order to record and manage street infrastructure information. **Base Bid 3** provides for a consolidation of information into the City's MicroPAVER and GIS systems as well as data loads into Cartegraph. Under **Additive Alternates 1 and 2**, the contractor will develop reports for the City's use and will provide technical support following implementation of the consolidation in order that the City may more effectively use its existing systems.

Transmap, which is headquartered in Upper Arlington, Ohio, will partner with Bass & Welsh Engineering of Corpus Christi, for engineering services associated with this project.

### **RECOMMENDATION:**

The major factors contributing to the recommendation of the selection committee are in accordance with the evaluation criteria specified in the RFP and as follows:

1. Price – Respondent's price is within project budget.
2. Experience, Background, Qualifications – Respondent's relevant experience under these projects, specific experience with public entities, resources, professional qualifications, safety records, and field experience with minimum five years relevant experience.
3. Proposal Plan – Respondent's project proposed plan and approach, methodology and software, operational plan, quality assurance, safety plan, and training plan.

Both respondents were fully qualified and had good past performances. Transmap Corporation was determined to be the best value to the City with the lowest proposed price. City staff recommends execution of a contract for professional services with Transmap Corporation for the Automated Pavement Condition Index Survey Project Base Bids 1, 2 and 3, plus Additive Alternates 1 and 2 for a total award amount of \$372,125.70.

### **ALTERNATIVES:**

1. Authorize execution of a contract for professional services for Base Bid Items 1, 2 and 3 and Additive Alternates 1 and 2.
2. Authorize execution of any one or more of Base Bid Items 1, 2 and 3 and no Additive Alternates.
3. Authorize execution of any one or more of Base Bid Items 1, 2 and 3 and one or more of Additive Alternates 1 and 2.
4. Do not authorize execution of a contract for professional services. (Not Recommended)

**OTHER CONSIDERATIONS:**

The total contract cost of Base Bids 1, 2 and 3, and Additive Alternates 1 and 2 is less than the amount budgeted for this project.

**CONFORMITY TO CITY POLICY:**

This contract complies with City policy regarding Professional Service Contracts and financial policies as part of the FY2015 Operating Budget.

**EMERGENCY / NON-EMERGENCY:**

Not applicable

**DEPARTMENTAL CLEARANCES:**

Street Department

**FINANCIAL IMPACT:**

X Operating      ☐ Revenue      ☐ Capital      ☐ Not applicable

<b>Fiscal Year 2014-2015</b>	<b>Project to Date Expenditures</b>	<b>Current Year</b>	<b>Future Years</b>	<b>Total</b>
Budget	\$0.00	\$500,000.00	\$0.00	\$500,000.00
Encumbered / Expended Amount	\$0.00	\$0.00	\$0.00	\$0.00
This item	\$0.00	\$372,125.70	\$0.00	\$0.00
Future Anticipated Expenditures This Project	\$0.00	\$0.00	\$0.00	\$0.00
BALANCE	\$0.00	\$127,874.30	\$0.00	\$0.00

Fund(s): Street Fund

**Comments:****LIST OF SUPPORTING DOCUMENTS:**

Contract  
Presentation