



AGENDA MEMORANDUM

Future Item for the City Council Meeting of September 11, 2018
Action Item for the City Council Meeting of September 18, 2018

DATE: August 13, 2018

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<p style="text-align: center;"><u>Professional Services Contract</u> Automated Pavement Condition Index Survey (Street Operations)</p>

CAPTION:

Motion authorizing a contract for professional services with Transmap Corporation, headquartered in Upper Arlington, Ohio in the amount of \$220,983.19 for the Base Bid and Additive Alternate No. 2 for the Automated Pavement Condition Index Survey project.

PURPOSE:

This project will perform an Automated Pavement Condition Index Survey for the City's street network and update of the City Street database.

BACKGROUND AND FINDINGS:

The Pavement Condition Index (PCI) is used to characterize the general street conditions and is the primary indicator for street maintenance, repairs, rehabilitation and reconstruction. The City converted from manual inspections and assessments to Automated Pavement Condition assessment in 2015. Prior to the automated process City Street Department performed a manual inspection and scoring process. PCI ratings must be updated every three (3) years to ensure conditions and planned maintenance actions are up-to-date and cost effective.

The following table summarizes the street maintenance plans with respective PCI ranges:

PCI Range (0-100)	Street Maintenance Programs
71 - 100	Preventative Maintenance – Seal Coats & Pothole repairs
56 - 70	Preventative Maintenance – Overlays & Minor Street Improvements
35 - 55	Rehabilitation
0 - 34	Reconstruction

The automated pavement assessment is performed by vehicles equipped with laser imagery, multiple cameras, and computerized systems to digitally capture the pavement distresses (cracks, fatigue, rutting, etc.). This data collected includes location and pavement material with the distress (type, severity, extent and depths) analyzed, and compiled into a database with resulting PCI for all City streets with multiple passes on arterials and collectors.

The project was advertised through a competitive Request for Proposals (RFP) to select the proposal that represents the “best value” with respect to price, qualifications, past performance and other relevant criteria listed in the RFP. The evaluation criteria is summarized below:

- Price – Respondent’s price is within project budget.
- 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.
- Proposal Plan – Respondent’s plan and approach, methodology and software, operational plan, quality assurance, safety plan, and training plan.

The RFP consisted of a Base Bid with two Additive Alternates as described below:

- Base Bid – The automated PCI survey by 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. Compilation and analysis of the data into a single database with the updated PCI. Submission of final reports and hard drive with the required database.
- Additive Alternates 1 – Perform an automated inventory of signs and markings to be incorporated into the database. **(Not awarded)**
- Additive Alternates 2 – Provide technical support as required for various services associated with the PCI survey and assessments.

Transmap’s proposal was determined as the best value with the lowest proposed cost. Therefore, City staff recommends execution of a contract with Transmap Corporation for the Base Bid and Additive Alternate No. 2 for a total award amount of \$220,983.19.

The City received two (2) fully qualified proposals on June 20, 2018 that are summarized below:

RESPONDENT	BASE BID	ADD ALT NO. 2	TOTAL BID
Transmap Corporation, Upper Arlington, Ohio	\$201,183.19	\$19,800.00	\$220,983.19
Data Transfer Solutions, LLC, Orlando, FL	\$284,900.00	\$40,000.00	\$324,900.00
<i>Engineer’s Opinion of Probable Cost</i>	<i>\$300,000.00</i>		<i>\$300,000.00</i>

ALTERNATIVES:

1. Authorize execution of the professional service agreement. (Recommended)
2. Do not authorize execution of the professional service agreement. (Not Recommended)

OTHER CONSIDERATIONS:

N/A

CONFORMITY TO CITY POLICY:

Complies with statutory requirements for professional services contracts.

EMERGENCY / NON-EMERGENCY:

Non-Emergency

DEPARTMENTAL CLEARANCES:

Street Department

FINANCIAL IMPACT:

X Operating ☐ Revenue ☐ Capital ☐ Not applicable

Fiscal Year 2017-2018	Project to Date Expenditures (CIP only)	Current Year	Future Years	TOTALS
Budget		220,983.19		220,983.19
Encumbered / Expended Amount				
This item		220,983.19		220,983.19
Future Anticipated Expenditures This Project				
BALANCE		0.00		0.00

Fund(s): Street Department Operating Fund

RECOMMENDATION:

City staff recommends approval of the professional service contract.

LIST OF SUPPORTING DOCUMENTS:

Location Map
Presentation
Contract