



## Memorandum

To: Finance Committee Members  
From: Patricia Speese, Director of Public Works  
cc: Mayor David Weiss, CAO Jeri Chaikin  
Date: May 9, 2023  
Re: **Request to Enter into an Agreement with Transmap for 2023 Street Condition Assessment**

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In an effort to refine our Street Condition Rating system, Public Work recognized there was room for improvements in how roads were evaluated. Historically, Public Works staff would drive streets annually and revise the condition rating depending on the acceleration of deterioration or if a street was recently resurfaced. The rating was based on a scale of one to five; one designating the street was in very good condition, five meaning the street showed significant signs of failure and should be resurfaced soon. While this approach was practical, the methodology of the evaluation and data collected was rudimentary considering the value of capital funds used for street resurfacing each year.

To gain a better understanding of our street infrastructure, Public Works distributed Request for Proposals to five consultants that have the expertise in conducting street assessments utilizing Pavement Condition Rating (PCR) on March 6, 2023. This system of evaluation is consistent with how ODOT, Cuyahoga County and various municipalities rate their road infrastructure.

There is approximately 220 lane miles in Shaker Heights. As stated in the RFP, the selected consultant will be responsible for evaluating 145 lane miles that primarily consists of local roads. Minor arterial, principal arterial and major collectors are evaluated by the Northeast Ohio Areawide Coordinating Agency (NOACA) and will not be evaluated as part of this project. These roads are:

- Fairhill Road
- Coventry Road
- Fairmount Blvd.
- Shaker Blvd.
- South Woodland Road
- Van Aken Blvd.
- Chagrin Blvd.
- Lee Road
- Warrensville Center Road

- Green Road

The PCR rating is based on a scale of 100 to zero; 100 being very good, zero being very poor. The overall approach to a PCR investigation is to review a variety of distresses within the pavement. The distresses include, but are not limited to, raveling, patching, potholes, settlements and cracking. In addition to performing PCR ratings, the selected consultant will be required to develop a technical memorandum with recommendations for street rehabilitation as it relates to PCR Rating.

On March 23, 2023 Public Works received three (3) proposals. Evaluations were performed by the Director of Public Works, Assistant Director of Public Works and Public Work’s Superintendent. The Quality Based Selection (QBS) process was used to score the technical merits of the proposals. As part of the QBS process, fee is not used as a scoring criterion.

The scoring was based on criteria outlined in the RFP and consisted of:

- Technical Approach (40 Points)
- Project Team Experience (30 Points)
- Firm’s Project Experience (30 Points)

The consultant firms that submitted proposals are as follows:

<b>Consultant</b>	<b>Average Score</b>	<b>Fee</b>
Transmap	95	\$34,033
GPD Group	89	\$63,370
DLZ	87	\$39,682

Transmap submitted an impressive proposal. Unlike the other consultants that provide a variety of civil engineering services, Transmap solely performs street condition assessments. They have performed this service for a multitude of cities and municipalities throughout Ohio. The equipment used for data collection captures 100% of distresses within the pavement via a vehicle tracking system and different technology platforms. This data is then imported into a web based GIS system that depicts the PCR rating on any given road segment within the city.

Public Works staff interviewed the project team on April 19, 2023. Their enthusiasm for the project and the services they provide was authentic. In discussing the project and its goals, it was clear Transmap had assembled a team that was intimate familiar with PCR, understood our pavement asset management goals and had the technology to accomplish the tasks outlined in the RFP.

This request was passed unanimously at the Safety & Public Works Committee meeting held on May 4, 2023. There were several questions about the need to contract this out which is being done because we do not have the staff that it would take to perform this task and it would be subjective. Also asked is if or how we would continue with this rating system going forward. Public Works will edit the database annually based on the improvements made. This methodology will also help with securing funding as this is the standard rating system that is used throughout the industry.

Based on their understanding of the project, proposed project team and technical approach, we request to enter into a contract with the Transmap for services related to Street Condition Rating in

the amount of \$34,033 so the City can proceed with this much needed evaluation. Our intent is to be completed with the project by mid-October so the data can be used to establish 2024 Street Resurfacing program.