

January 3, 2007

To the Public Improvements Committee

Subject: File Number 061098

Dear Committee Members:

The Commissioner of Public Works of the City of Milwaukee recommends that the City Comptroller transfer funds from the Major Street Improvement account to perform pavement condition testing and retain additional consultant services to provide enhancement to the existing Pavement Management Administration System as described in the attached resolution.

The Department of Public Works uses a Pavement Management Administration System (PMS) to generate condition ratings for individual street segments and for the system as a whole. According to the Federal Highway Administration, the purpose of pavement management is to find a "cost-effective combination of treatments to apply at any given time to give the desired level of service. Correspondingly, a PMA is a decision support tool designed to help make cost-effective decisions concerning the maintenance and rehabilitation of pavements and road services." The Department of Public Works uses its PMA as a long-term budget tool.

The City began using a consultant provided PMA in 1988. Because of various inaccuracies within the original system, the Department of Public Works replaced it with a new system provided by a new consultant. The new system was purchased in 1995 and fully implemented in 1997. The condition of the street pavements needs to be re-evaluated periodically in order to obtain accurate results with the PMA. The last survey was done in 2000. In 2006, Stantec Consulting Inc. undertook surface distress and roughness testing of pavements of approximately half of the City maintained streets with an estimated cost of \$80,000. The same consultant will survey the remaining City maintained streets in 2007 at an estimated cost of \$80,000. The total estimated cost for the surveys in 2006 and 2007 will be \$160,000.

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We recommend the adoption of the attached resolution.

Very truly yours,

Jeffrey S. Polenske, P.E.  
City Engineer

Jeffrey J. Mantes  
Commissioner of Public Works

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transfer PMAS  
01/03/07