

**OWOSSO CITY COUNCIL**

**JUNE 5, 2012**

**7:00 P.M.**

**PRESIDING OFFICER:** MAYOR BENJAMIN R. FREDERICK

**PLEDGE OF ALLEGIANCE:** MAYOR BENJAMIN R. FREDERICK

**PRESENT:** Mayor Benjamin R. Frederick, Mayor Pro-Tem Cindy S. Popovitch, Councilpersons Loreen F. Bailey, Thomas B. Cook, Michael J. Erfourth, Christopher T. Eveleth and Burton D. Fox.

**ABSENT:** None.

Motion by Councilperson Fox to set an ending time of 8:30 p.m.

Motion supported by Councilperson Eveleth.

Roll Call Vote.

**AYES:** Councilpersons Erfourth, Bailey, Fox, Cook, Eveleth, Mayor Pro-Tem Popovitch and Mayor Frederick.

**NAYS:** None.

**PAVEMENT SURVEY FINDINGS & DEVELOPMENT OF PAVEMENT MANAGEMENT SYSTEM**

Dr. Abbas Butt, president of Engineering and Research International, Inc., was on hand to present the findings of the recent pavement survey that was conducted in January.

Dr. Butt started off by saying he had spent time collecting data from various sources so he was able to conduct a comprehensive analysis of the system. He examined problem streets in the City and talked with staff regarding past practices and concerns they had regarding the streets. He and his staff surveyed all the streets in the City with laser scanners, collected information on past maintenance projects, examined the City's current maintenance equipment, analyzed all the data and developed a comprehensive pavement database and management system. The system will provide a systematic method for determining which streets to repair or replace each year, thereby maximizing the return on tax payer dollars.

He gave a brief summary of the overall condition of the City's street system noting how he categorized the various streets based on a number of factors including the type of street construction (asphalt, concrete, brick, etc.) and the traffic count. He introduced the idea of the Pavement Condition Index, a means of assigning a number from 0 to 100 to a street to represent its overall condition. Streets with a PCI between 0 - 40 are candidates for reconstruction, those with a PCI of 40 - 70 are candidates for overlay, and those with a PCI from 70 - 100 will need minimal maintenance such as crack sealing or no maintenance at all. He recommended tending to the streets with a PCI from 40 - 70 first as the life of such streets could reasonably be extended by 15 years with a simple overlay, presenting a better return on investment than that offered by reconstructing the worst streets first. He said the average PCI for the City street system is 58. He indicated the largest problem was the condition of the base soil underneath the streets, saying this is typically the number one issue affecting streets in the Midwest. Streets with a weak base will deteriorate much faster and require more expensive maintenance in order to maintain a certain level of quality. He recommended the City consider using the lime residuals from the City's water treatment process to help firm the base soil beneath streets that are being reconstructed.

He went on to say that he had run several budget scenarios to see which offered the best overall result over a 20 year period. By his estimates the City would receive the best return on investment by dedicating \$1.5 million per year to street reconstruction and maintenance (this estimate includes overhead costs to the tune of 25%). He further recommended the City train workers to better recognize potential issues and perform more extensive testing during the reconstruction/maintenance process. Lastly he encouraged the City to look at reevaluating the fee it charges for utility cuts to more fully reflect the reduction in the value of a street due to such cuts.

City Manager Donald D. Crawford indicated that in order to dedicate the funds necessary to improve our street network over the long term the City will most likely have to consider going out for bonds on a periodic basis. He also noted that changes will be made to the specifications sent out with future paving bids to ensure the City ends up with higher quality streets than we have in the past. He said the next step the City should take would be to use the database Dr. Butt has assembled and determine the type of treatment required for each of the streets and begin to formulate a plan for future street programs.

**CITIZEN COMMENTS & QUESTIONS**

Brent Jones, SEDP Project Specialist, relayed the concerns of local business owners, especially those in the southwest industrial park and those along Chestnut Street, regarding the condition of the streets in their area and the negative effect they have on economic retention and development.

**ADJOURNMENT**

Motion by Councilperson Eveleth for adjournment at 8:33 p.m.

Motion supported by Councilperson Cook and concurred in by unanimous vote.

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Benjamin R. Frederick, Mayor

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Amy K. Kirkland, City Clerk