

## **LRB – FISCAL REVIEW SECTION ANALYSIS**

**PUBLIC WORKS COMMITTEE**

**ITEM 28, FILE 051000**

**NOVEMBER 22, 2005**

**ANGELYN WARD**

File #051000 is a substitute resolution authorizing the Commissioner of Public Works to begin implementation of the first phase of an advanced street lighting control and monitoring system.

### **BACKGROUND AND DISCUSSION**

1. This is a substitute resolution authorizing the Commissioner of Public Works to begin the design and construction of an initial portion of the construction of the advanced street lighting and control system.
2. The advanced street lighting control and monitoring system uses the latest advancements in system control to provide improved operation and control of the street lighting system, including turning street lights on and off, monitoring the operation status of the system, monitoring power consumption, and alarming when a circuit fails.
3. Common Council File #041288, February 1, 2005, authorized the department to implement a pilot test system for the advanced street lighting and control located at 9216 W. Bluemond Road, the substation at 84<sup>th</sup> and S. Adler Street, a remote hub located in engine House Number 28 at 424 N. 30<sup>th</sup> Street. The department indicates that the pilot test system has been successful and is currently in operation.
4. This resolution authorizes the implementation of the first phase of the project, which will begin in the far southwest side of the city where the control circuit is not working, and possibly on the far northwest side depending on funding.
5. The estimated cost is \$1.5 million in capital improvements, for the design and construction of phase one of the advanced lighting control and monitoring system. Phase one includes replacing the existing obsolete and malfunctioning street lighting with the new equipment.

### **FISCAL IMPACT**

1. This resolution provides \$1.5 million in funds for the design and construction of phase one of the advanced lighting control and monitoring system, on the southwest side of the city.
2. The department indicates that funding for the design and construction costs is from the 2005 capital improvements account – Street Improvements – Street Lighting projects.

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LRB – Fiscal Review Section  
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