



Agenda Item:

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## COUNCIL COMMUNICATION City Manager's Office

### GENERAL INFORMATION

Agenda Date: 04/19/04  
04-192

Communication No.:

Agenda Item Type: Resolution  
No.:

Roll Call

Submitted by: Jeb E. Brewer, P.E., City Engineer

### SUBJECT—

Approving and authorizing the execution of Iowa Department of Transportation Agreement for E.14<sup>th</sup>/S.E. 14<sup>th</sup> Traffic Signal Visibility Improvements.

### SYNOPSIS—

The Iowa Department of Transportation (IaDOT) has proposed an agreement between the City of Des Moines and the IaDOT for E.14<sup>th</sup>/S.E. 14<sup>th</sup> Traffic Signal Visibility Improvements.

### FISCAL IMPACT—

The total estimated project cost is \$70,000, however equipment costs are eligible for reimbursement by IaDOT Traffic Safety Funds up to a maximum of \$70,000. The City of Des Moines will provide for the installation of the new signal equipment with City forces.

Funding for this project is available in the 2003-04 Capital Improvements Program Budget, Index Code 389148, Account 544150, Fund CP038, Organization ENG990000, Project TFC091 – City-Wide Signals, Channelization, and School Crossing Protection Program.

### RECOMMENDATION—

Approval.

**BACKGROUND—**

The proposed improvements consist of replacing the existing signal heads along E. 14<sup>th</sup> and S.E. 14<sup>th</sup> Street at fourteen locations with new Light Emitting Diode (LED) signal heads and backplates for greater visibility. Side-mounted signals would also be installed. The improved visibility is expected to reduce rear-end and right-angle collisions. In addition, the new LED signals provide substantial energy savings, replacing a 135-watt signal bulb with an 18-watt LED.

By Roll Call No. 03-1855 passed August 11, 2003, City Council authorized the submittal of an application to IaDOT for Traffic Safety Funding. Subsequently, IaDOT approved \$70,000 for the project. The installation of the new traffic signal hardware on the existing signal poles will be completed by Traffic and Transportation field crews. The new signal equipment will be installed at the following cross streets: Aurora, Madison, Euclid, Hull, Grandview, Washington, Cleveland, Hartford, Bell, Park, Watrous, McKinley, Southdale and Cummins Avenues.