

City of Minneapolis
Request for Committee Action

To: Transportation & Public Works
Date: 3/22/2016
Referral: Ways & Means
From: Public Works Department
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File type: Action
Subcategory: Contracts & Agreements

Subject:

Operations & Maintenance (O&M) Agreement for Transit Signal Priority (TSP) with Metropolitan Council / Metro Transit.

Description:

Authorizing the proper City officials to execute an O&M agreement for TSP with Metropolitan Council / Metro Transit.

Previous Actions:

October 21, 2011: Resolution 2011R-544 adopted to allow City forces to purchase TACTICS signal control software as part of the larger Traffic Signal Control Upgrade project to facilitate the operation of Metropolitan Council requested TSP system and to negotiate agreement with Metropolitan Council for reimbursement of \$130,000 of the TACTICS system cost.

Ward/Address:

All Wards

Background/Analysis:

A traffic signal management software called TACTICS was purchased by the City of Minneapolis in 2011. One of the functions of this system is to allow Transit Signal Priority throughout our traffic signal network. Due to this ability, Metro Transit has agreed to reimburse the City roughly 80% (\$130,000) of the cost to purchase the TACTICS software upgrade. The execution of the O&M agreement will allow the reimbursement to proceed.

The City of Minneapolis Traffic & Parking Services is proposing to execute an Operations & Maintenance (O&M) agreement with the Metropolitan Council/Metro Transit for the Traffic Signal Priority (TSP) system currently installed on the Central Ave corridor. The TSP system allows a GPS transponder unit installed on each bus to communicate with a device installed in the traffic signal cabinet. This system will detect if the bus is running late and will adjust the signal timing allowing for more time so the bus can go through the intersection. The TSP system and hardware have been supplied and are owned by Metro Transit. A TSP system is currently installed on Central Avenue corridor. The O&M agreement outlines the parameters in which the system is allowed to function.

The basic parameters of the proposed O&M agreement are as follows:

- Metropolitan Council owns and operates the Traffic Signal Priority (TSP) system, including all TSP system components and software, even those installed in City facilities such as traffic signal cabinets.

- Metropolitan Council owns all the data from the TSP system. The City will be granted the right to access and use data as specified in the agreement.
- Metropolitan Council is responsible for monitoring proper operation of the system and managing and maintaining cellular communications to and from the signal cabinets.
- The City shall maintain and control the signal timing in the relevant intersections. The City shall inform the Metropolitan Council of any changes in signal timing at these intersections and ensure TSP operational parameters are reloaded once timing changes are complete.
- The City may deactivate the TSP system with proper notice to Metropolitan Council if needed to maintain traffic flow or if system is no longer viable or determined to be misused.
- The City pays for and provides electrical power to TSP components in the traffic signal cabinets. City crews shall verify that cabinet mounted TSP detectors have power and are in active mode during preventive maintenance, and notify Metropolitan Council if deficiencies are noted in these maintenance checks.
- The Metropolitan Council shall provide all repair parts and maintain inventory of same. The City shall provide right of entry access to the relevant signal cabinets to the Metropolitan Council to facilitate repairs with proper notice. If component replacement does not solve operational issues, the City would hire a contractor to troubleshoot and repair with full Metropolitan Council reimbursement.
- The Metropolitan Council may approach the City to expand the TSP system to other corridors with the review and concurrence of the City.

Financial Review:

No additional appropriation required, amount included in current budget.