

E Environment Committee

For the Metropolitan Council meeting of April 23, 2008

ADVISORY INFORMATION

Date Prepared: April 9, 2008

Subject: Increase of Delegated Construction Contract Change Order Authority for Meter 102 Capacity Restoration, MCES Project No. 801105, Contract No. 07P019

Proposed Action:

That the Metropolitan Council increases the delegated construction contract change order authority of its General Manager, Environmental Services, from \$50,000 to \$85,000 for Meter 102 Capacity Restoration, MCES Project No. 801105, Contract No. 07P019.

Summary of Committee Discussion / Questions:

The committee asked about monitoring overflows about how diversions around the flow meter would be measured. Staff indicated that this would occur infrequently and would have to be estimated. A level sensor will be installed to improve the accuracy of this flow estimate.

Motion to accept proposed action was made, seconded, and passed unanimously.

E Environment Committee

Meeting date: April 8, 2008

For the Metropolitan Council Meeting of April 23, 2008

ADVISORY INFORMATION	
Date:	March 31, 2008
Subject:	Increase of Delegated Construction Contract Change Order Authority for Meter 102 Capacity Restoration, MCES Project No. 801105, Contract No. 07P019
District(s), Member(s):	District 8, Lynette Wittsack
Policy/Legal Reference:	Council Policy 3-3, Expenditures
Staff Prepared/Presented:	Bryce Pickart 651-602-1091
Division/Department:	MCES c/o William G. Moore 651-602-1162

Proposed Action

That the Metropolitan Council increases the delegated construction contract change order authority of its General Manager, Environmental Services, from \$50,000 to \$85,000 for Meter 102 Capacity Restoration, MCES Project No. 801105, Contract No. 07P019.

Background

This construction contract implements capacity improvements to Meter 102 on the Minneapolis East Interceptor (1-MN-300) upstream of its junction with the Joint Interceptor at Marshall and East River Road. This interceptor was constructed as a lined sandstone tunnel. In the late 1980's, a new larger tunnel was constructed nearby to increase capacity to handle the northwest suburbs and to handle wet weather flows, in conjunction with sewer separation in Minneapolis. Most of the wastewater flow was diverted to the new interceptor. Subsequently, the old interceptor was retrofitted with smaller meters to more accurately measure wastewater flow. This also restricted capacity.

The current project restores the pipe capacity by constructing a diversion tunnel to handle flows that exceed meter capacity. The diversion tunnel is also being constructed in sandstone. The sandstone encountered has been softer than the contract documents envisioned, which results in "over-mining" due to the nature of the sandstone. As a result, there are higher costs for reinforcement and shotcreting to seal and protect the sandstone. In addition, there is a large void space in the sandstone above the existing tunnel at its junction with the new diversion tunnel. This void space needs to be grouted. Total projected change order amount is \$85,000, compared to the delegated amount of \$50,000.

Rationale

- Delegated change order authority is \$50,000 for contracts with an original amount under \$1,000,000. This contract's original amount is \$540,230.
- Differing site conditions have led to change orders that are projected to exceed the delegated amount by \$35,000.

Funding

BUDGET INFORMATION					
Annual or Capital	Project No.	Estimated Project Cost	Current Auth.	Unencumbered Funds	Requested Amount
Capital	801105	\$660,000	\$700,000	\$90,000	\$35,000

Known Support / Opposition

None.