

# E Environment Committee

Meeting date: May 13, 2008

For the Metropolitan Council Meeting of May 14, 2008

## ADVISORY INFORMATION

**Date:** May 8, 2008  
**Subject:** Increase of Delegated Construction Contract Change Order Authority for Smithtown Road Interceptor, MCES Project No. 802811, Contract No. 07P090  
**District(s), Member(s):** District 4, Craig Peterson  
**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/Motion

That the Metropolitan Council increases the delegated construction contract change order authority of its General Manager, Environmental Services, from \$259,695 to \$959,695 for Smithtown Road Interceptor, MCES Project No. 802811, Contract No. 07P090.

### Background

The Smithtown Road Interceptor is the first of four construction contracts which will expand interceptor capacity in the Victoria area and will improve system reliability by eliminating two lift stations with a deep gravity sewer system. The Smithtown Road Interceptor construction replaces the channel between Lake Minnetonka and Lake Virginia, so that the MCES sewer passes below the channel, which is the key to changing to a gravity flow system. This contract includes new MCES sewers, and necessarily re-constructs the road and local utilities upon completion of the deep (40 feet) MCES sewer.

The new channel between the lakes and the sewer to the east has been completed. The engineering design, based on soil borings at two control structure locations, envisioned open cut construction with over-excavation below the pipe invert, followed by compacting the pipe bedding. As construction proceeded west from the channel, poor soils were encountered. Additional over-excavation still encountered poor soils. Subsequent geotechnical investigation and engineering evaluation has determined that adequate pipe support can be achieved by installing helical piles approximately 40 feet deep, constructing a concrete support beam on top of the piles, and then installing the sewer. This operation requires more work space, so extensive steel sheeting along the excavation will be necessary.

Estimated additional costs for this work is approximately \$790,000. Available remaining change order authority is \$170,000. Additional requested change order authority is \$700,000.

Substantial completion of construction is projected for August 2008. Final completion is projected for October 2008.

### Rationale

- Delegated change order authority is 5% of the original amount for contracts with an original amount over \$1,000,000. This contract's original amount is \$5,193,903.
- Differing site conditions have led to change orders that are projected to exceed the delegated amount by \$700,000.

## BUDGET INFORMATION

Annual or Capital	Project No.	Estimated Project Cost	Current Auth.	Unencumbered Funds	Requested Amount
Capital	802811	\$6,700,000	\$7,000,000	\$1,250,000	\$700,000

### Known Support/Opposition

None.