

Environment Committee

For the Metropolitan Council meeting of October 24, 2018

Subject: Construction Contract Award for the 1-MN-310 4th Street Access Shafts and Tunnel Repair

Proposed Action

That the Metropolitan Council authorizes its Regional Administrator to award and execute a contract for 1-MN-310 4th Street Access Shafts and Tunnel Repair Project 807665, Contract 18P259, to PCI Roads for their low, responsive responsible bid of \$3,929,674.00.

Summary of Committee Discussion/Questions

Staff explained that the grout consists of Portland cement, sand, water, and an air foaming agent in order to keep the material light. Once solidified, the grout will prevent further deterioration of the St. Peter Sandstone.

Staff explained that the tunnel was constructed in 1885 and is 85 feet below 4th Street. The tunnel was built in the St. Peter Sandstone formation using tunneling methods.

Environment Committee

Meeting Date: October 23, 2018

For the Metropolitan Council meeting of October 24, 2018

Subject: Construction Contract Award for the 1-MN-310 4th Street Access Shafts and Tunnel Repair

District(s), Member(s): District 7, Gary Cunningham

Policy/Legal Reference: Council Policy 3-3, Expenditures

Staff Prepared/Presented: Scott Dentz, 651-602-4503; Jeannine Clancy, 651-602-1210)

Division/Department: MCES c/o Leisa Thompson, 651-602-8101

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Background

MCES Interceptor 1-MN-310 is located approximately 85 feet below 4th Street South in downtown Minneapolis. The interceptor was constructed in 1885 within the St Peter Sandstone formation using tunneling methods. MCES has identified large voids above the interceptor between 1st Avenue North and Marquette Avenue. It appears that the void size is increasing as sandstone continues to slough or slab off the crown, and that loose, fallen sandstone is being washed into the interceptor through joints, holes, and fractures as groundwater infiltrates the void. To maintain the integrity and reliability of the system and prevent loss of service and damage to the environment due to pipe failure, the tunnel crown needs to be stabilized, the interceptor repaired, and the void filled.

A formal Invitation for Bids was advertised for the construction contract on August 30, 2018. Three bids were received and opened on September 27, 2018. The bids ranged from \$3,929,674 to \$5,375,975. PCI Roads submitted the lowest responsive, responsible bid in the amount of \$3,929,674.

Rationale

Construction contract awards exceeding \$2,500,000 require Council authorization.

Thrive Lens Analysis

This action advances the Thrive Outcome of Stewardship. Public financial resources will be invested efficiently and effectively to maintain and restore existing capacity to existing wastewater infrastructure which protects the region’s natural resources.

Funding

Funding is provided in the 2018 MCES Authorized Capital Program, Project 807665.

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|----------------------|-------------|
| Currently Authorized | \$4,998,979 |
| Unencumbered Funds | \$4,918,113 |
| Requested Amount | \$3,929,674 |

Known Support / Opposition

The City of Minneapolis is supportive of the project.