



Request for City Council Committee Action From the Departments of Public Works and Procurement

Date: August 23, 2011
To: Honorable Sandra Colvin Roy, Chair Transportation & Public Works Committee
Subject: Contract Amendment #1 - 10th Avenue Storm Tunnel Outlet

Recommendation:

Authorized City officers to execute Amendment #1 to Contract #C-28511 (OP #7362) with Engineering & Construction Innovations, Inc. (ECI) for construction change orders #1-5 due to differing site conditions than were originally identified or anticipated. This amendment will increase the contract by \$142,450.33 to an estimated new total contract value of \$1,308,285.33. Funds are available from Fund 07300-9010932-SW011 Storm Drains and Tunnels Rehabilitation Program.

Previous Directives:

On November 19, 2010 City Council authorized the acceptance of the low responsive bid for OP #7362 from ECI for the amount of \$1,165,835 to furnish materials and labor for completing the reconstruction of the 10th Avenue SE Storm Tunnel Outlet

Prepared by: Joe Klejwa, P.E. Engineer, PW Surface Water and Sewers 673-5608

Approved by:

Steven A. Kotke, P.E., City Engineer, Director, Public Works

Presenter: Joe Klejwa, Engineer, PW Surface Water and Sewers 673-5608

Reviews

Permanent Review Committee (PRC):	Approval	NA	Date
Civil Rights Affirmative Action Plan	Approval	NA	Date
Policy Review Group (PRG):	Approval	NA	Date

Financial Impact:

No additional appropriation is necessary.

Community Impact

Neighborhood Notification: Not Applicable

City Goals: A safe place to call home: the city's infrastructure will be well-maintained, people will feel safe in the city.

Comprehensive Plan: Not Applicable

Zoning Code: Not Applicable

Background/Supporting Information:

The City of Minneapolis has deep storm water tunnels that discharge to the Mississippi River. The 10th Avenue Southeast storm water tunnel system is located in southeast Minneapolis under 10th Avenue SE.

This portion of the project was to enlarge the diameter of the tunnel outlet at the river. This portion of the project is complete. The original outlet was a smaller diameter than the tunnel which caused pressurization and damaged sections of the tunnel. The current and all subsequent projects on the tunnel are to repair the damaged sections of the tunnel.

Due to an unusual amount of ice pack on the Mississippi River this winter, and the high water levels this spring, modifications to the design and construction of the coffer dam were implemented, as well as the installation and operation of additional dewatering wells.

Other unanticipated costs were due to changes in the sandstone elevation under the existing storm tunnel that required additional concrete to be placed, as well as large limestone float stones that were required to be removed during excavation for the outlet.

Amendment #1 covers change orders that were necessary to implement the reconstruction of the 10th Avenue SE Storm Tunnel Outlet.

These change orders are summarized below.

Change Order #1: \$48,819.21 for changes in the design and construction of the coffer dam and slopes to protect dam from movement of large ice packs on the Mississippi River.

Change Order #2: \$41,702.74 for additional dewatering wells required to dewater excavation behind coffer dam walls due to high water pressure caused by high river levels and fissures and fractures in the sandstone.

Change Order #3: \$15,629.22 for the excavating, crushing, removal, and disposal of large limestone float rocks.

Change Order #4: \$20,806.46 for additional concrete needed to be placed on sandstone bedrock to provide adequate strength of material to support outlet floor.

Change Order #5: \$15,492.70 for additional concrete places near wing walls of outlet.

The authorization of Amendment #1 to Contract #C-28511 (OP #7362) for construction change orders #1-5 will increase the contract by \$142,450.33 to an estimated new total contract value of \$1,308,285.33. Funds are available from Fund 07300-9010932-SW011 Storm Drains and Tunnels Rehabilitation Program.

This portion of the project is complete and change orders 1-5 are the final change orders for the project.

CC: Bishow Dhungana, Finance
David Schlueter, Purchasing