



Request for City Council Committee Action From the Department of Public Works

Date: May 20, 2003
To: Honorable Sandra Colvin Roy, Chair Transportation & Public Works Committee
Referral to: Honorable Barb Johnson, Chair Ways & Means Committee

**Subject: Cost increases for the Bassett Creek Tunnel/MCES Interceptor Realignment
construction, Lametti & Sons Contractor**

Recommendation:

1. The proper City officers be authorized to execute Change Orders #3, #4 & #5, to contract number 17441 with Lametti & Sons Inc., that totals \$205,666.
2. Increase above said contract by \$70,807.11, to be funded from the existing 2003 Storm Tunnel Rehabilitation appropriation (Fund- Agency-Org 7300 932 9322). (Said amount is the net of the above said change orders, less reductions in actual work from the planned quantities of work.)
3. And authorize and direct appropriate City departments to extend above said contract completion date from April 30, 2003 to July 31, 2003, to allow final payment.

Previous Directives:

- August 9, 2002 the City Council approved change orders 1 & 2 for an increase in the contract sum of \$664,030.
- December 28, 2001 the City Council approved an increase in appropriation by \$1,172,356 to be reimbursed by the Metropolitan Council-Environmental Services (MCES) for its share of the Interceptor portion of the project, under the terms of Agreement #017272, resolution 2001R-564.
- October 12, 2001 the City Council approved the low bid of Lametti & Sons of \$2,385,770 Official Publication #5704 to accomplish the replacement of MCES Interceptor and the old Bassett Creek Tunnel.
- August 10, 2001 the City Council authorized entering into an Agreement with MCES for cost sharing and other responsibilities.
- April 6, 2001 the City Council approved an increase from \$1,000,000 to \$3,100,000 for Storm Tunnel Rehabilitation for the Bassett Creek Tunnel replacement in 2001, resolution 2001R-145
- December 14, 2000 the City Council approved appropriation of \$1,000,000 for Storm Tunnel Rehabilitation, resolution 2000R-536.

Prepared by: Robert J Carlson, PE, Senior Professional Engineer

Approved by: Klara A. Fabry, Director of Public Works

Paul W. Ogren

Presenters: Robert J Carlson, Senior Professional Engineer

Financial Impact (Check those that apply)

No financial impact - or - Action is within current department budget.
(If checked, go directly to Background/Supporting Information)

Action requires an appropriation increase to the Capital Budget

Action requires an appropriation increase to the Operating Budget

Action provides increased revenue for appropriation increase

Action requires use of contingency or reserves

Other financial impact (Explain):

Request provided to the Budget Office when provided to the Committee Coordinator

Background/Supporting Information:

During the planning for the Heritage Park project it was found that the existing Bassett Creek storm tunnel through the project area north of Olson Highway was in poor condition and needed to be replaced. During this same time, it was determined that the existing Metropolitan Council-Environmental Services (MCES) 84" sanitary interceptor sewer was to be relocated parallel to the storm tunnel. It was decided that the City should design and contract for the construction of both items, in order to realize efficiencies and cost savings for both elements as a single project. Minneapolis entered into an agreement with MCES to define roles, responsibilities and cost sharing. Ultimately a contract was awarded to Lametti & Sons to construct both the Bassett Creek storm tunnel and MCES sewer interceptor.

The summary of Change Order 3 is as follows:

	<u>Dollar adjustment</u>
• Change the grouting of the pipe sections and welding of the plastic liner.	\$ -0-

The summary of Change Order 4 is as follows:

	<u>Dollar adjustment</u>
• Removal of old building foundation	+ \$ 1,626
• Temporary bolt down steel plates to manholes, safety issue related to other construction traffic.	+ \$ 908
• Add an additional alignment joint for the storm tunnel.	+\$ 4,387
• Stand by time while the developer dug foundations near the old interceptor prior to flow being switched to new pipe. Done in an effort to avoid delays to the builder and to be able to quickly respond to an emergency with the old interceptor pipe, which was still in service.	+\$ 2,042
• Add a temporary weir in the storm tunnel to prevent the Mississippi River from flowing into the work site and cause further delays.	+\$ 13,976
• Supply clay cover at the disposal area for the project soil having wood splinters covered with creosote.	+\$ 9,600
• Due to wet conditions and the closeness of the trench excavation for the interceptor and box culvert to the surcharge of building site M, caused an unsafe conditions, thus a portions of the surcharge on building site M was temporarily removed.	+\$ 3,129
• Due to unexpected change to poor soil condition, caused soil correction in the trench at the Olson Highway end of construction.	+\$ 1,399
• Change the backfill behind the sheeting to granular to aid in the restoration of Olson Highway.	<u>+\$ 1,050</u>
Total for Change Order #4	+\$38,117

The summary of Change Order 5 is as follows:

	<u>Dollar adjustment</u>
• From station 8+53 to 9+42 the plans called for two feet of soil correction below the storm tunnel to a sand base. During construction when we approached this area what was found was a sand layer twelve feet down. Since the sheeting adjacent to the tunnel was designed and constructed for excavation two feet below the tunnel and since the new interceptor was operational on the other side of the tunnel, pile driving was not an option, thus the foundation for this section of storm tunnel needs to change from soil correction to augured pile system.	+\$160,542
• Add a second additional alignment joint to the storm tunnel.	<u>+\$ 7,007</u>
Total for Change Order #5	+\$167,549
TOTAL OF CHANGE ORDERS #3, #4 & #5	+\$205,666

The total adjustment needed to final the contract is \$70,807.11, this is the result of the additional \$205,666 from above said change orders less \$134,858.89 of work that was in the original plans that will not be done.

Previous funding/funding use history for this contract:

- Dec. 14, 2000 City Council approved appropriation of \$1,000,000 (2000R-536)
- April 6, 2001 City Council approved and increase of \$2,100,000 (2001R-145)
- Oct. 12, 2001 City Council awarded Lametti & Sons this contract for \$2,385,770 to Construct Bassett Creek storm tunnel and MCES sewer interceptor.
- Dec. 28, 2001 City Council increased appropriation by \$1,172,356 to be reimbursed by MCES for sewer interceptor work.
- August 9, 2002 City Council approved Change Orders #1 & #2 for an increase of \$664,030 to the contract without an increase in appropriation.

This contract had no penalty for not completing work by the specified dates. The completion dates were to be included in the contractors construction scheduled to be approved by the City's Project Manager. The original construction scheduled met the required dates and was approved by the Project Manager, subsequently revised due in large part to wet weather conditions

Bcc: Ogren, Eberhart, Carlson

Cc: CM Johnson Lee