



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

Date: March 28th, 2002
To: Transportation and Public Works Committee
Referral to: Ways and Means Committee

Subject: Change Orders for Water Works Project - Track Slab Improvements at the Fridley Filtration Plant

Recommendation: Authorize the proper city officials to execute payment for **Amendment 1** to the original contract (**Contract Number 017331**) amount of \$172,950 awarded to Nadeau Utility, Inc. The value of the amendment is **not to exceed \$30,000**. Change Orders are described below. Funds are available under Fund/Agency/Org/Project (7400/690/6997/690MC128).

- 1) **\$1000 per cubic yard** of concrete that is required in excess of the amount that was specified in the bid documents for reconstruction of the former rail track entrance to the Fridley Filtration Plant.

Previous Directives: None

Submitted: Adam Kramer, P.E., Director of Water Works, Tel. 2418

Approved: David J. Sonnenberg, P. E., City Engineer, Director of Public Works
By: Adam Kramer _____

Presenters in Committee: David J. Sonnenberg, City Engineer, Director of Public Works

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:

The contract is for improvements to the train track entrance to the Fridley Filtration Plant of the Minneapolis Water Works. The train track entrance was originally used for the delivery of coal, which was originally the fuel used for heating the plant. The coal was dropped from the bottom of the railcars through openings in the concrete slab into the coal storage area below. The condition of the door and the concrete slab have deteriorated over the nearly eighty years of the buildings existence, and previous attempts to "patch up" the problems had been unsuccessful. The plant is no longer heated using coal, as the boilers were converted to natural gas.

The improvements include the removal of the steel door and replacement of that door with a brick wall and two smaller doors. The removal and replacement of substandard surface concrete of the track slab leading up to the entrance was to be accomplished as part of the concrete reconstruction. The new slab was designed for truck deliveries. Nadeau Utility, Inc. was awarded the lump sum contract to perform the work as specified by HDR Engineering, Inc. The contract award was approved by Council action on September 14th, 2001.

Work on this contract began in October 2001 with the removal of deteriorated concrete on the surface of the concrete deck. During the demolition work performed by the contractor, it was discovered that a significantly large amount of the existing concrete beyond the surface of the slab was substandard. As a result, the contractor was required to remove and replace more concrete than called for in the bid documents (Estimated to be 28 cubic yards in excess the approximately 73 cubic yards originally required by the contract.). The execution of this work required extra labor and materials to the extent that extra compensation was reasonably required. As the contract was bid in a lump sum, there were no unit prices for the concrete work to be done in the contract. For this reason, the Contractor, the Engineer (HDR Engineering, Inc.), and the City's Engineering Services Staff came to a mutually agreed-to amount of \$1000 per cubic yard, which factors in the extra material and labor costs. The replacement work that is described in the change order is scheduled to be performed in April 2002, when temperatures are conducive to outdoor concrete work.

It is requested that authorization be granted to the proper city officials to execute a change order for such work based on the terms described above.

Site map -- Attached

TRUCK SCALE
43RD AVENUE NORTH

EAST RIVER ROAD

INDUSTRIAL PLANT

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