



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

Date: October 25, 2005
To: Honorable Sandra Colvin Roy, Chair Transportation & Public Works Committee
Referral to: Honorable Barbara Johnson, Chair Ways & Means/Budget Committee

Subject: **Contract with Sebesta Blomberg & Associates, Inc. for the Pump Station #4 Control System and PLC Development and Assistance for Electrical Engineering Services.**

Recommendation:

Authorize proper city officers to negotiate and execute a contract with Sebesta Blomberg & Associates, Inc. for the Pump Station #4 Control System and PLC Development and Assistance for Electrical Engineering Services. The amount of said contract may not exceed \$200,000.00 without further Council authorization. The funds are available within the project budget.

Previous Directives:

On August 5, 2005 the City Council authorized the issuance of a Request for Proposals for the Pump Station #4 Control System and PLC Development and Assistance for Electrical Engineering Services.

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Approved by:

Klara A. Fabry, P.E., City Engineer, Director of Public Works

Presenters: Shahin Rezania, P.E., Interim Director, Water Treatment & Distribution Services

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:

Public Works has solicited proposals for the Pump Station #4 Control System and PLC Development and Assistance for Electrical Engineering Services. Four Proposals were received from the following:

- 1) Wenck Associates, Inc. with a fee of \$137,302.00
- 2) Sebesta Blomberg & Associates, Inc. with a fee of \$164,070.00
- 3) HDR Engineering, Inc. with a fee of \$219,502.00
- 4) TKDA/EMA with a fee of \$299,400.00.

The selection committee (i.e. City staff) reviewed the proposals and selected TKDA/EMA and Sebesta Blomberg for an interview on October 18, 2005. The selection committee after careful examination of the two candidates and based on their proposals and interviews has selected Sebesta Blomberg to perform the engineering services.

The City of Minneapolis Capital Improvement Plan includes Rehabilitation of Pump Station #4 project. This Pump Station is the water supply source to the new 70 million-gallon per day (mgd) Columbia Heights Membrane Filtration Plant, constructed at a budget of about \$65 million dollars.

Pump Station #4 started operation in 1904, and though some partial renovations have been accomplished since that time, many parts of the facility are nearing the end of their useful life. Modernization and rehabilitation is needed to provide reliable service in the present and into the future.

Instrumentation and control system design will include updated process flow diagrams and instrumentation diagrams, developed from the existing Public Works electronic files. It will also include updated and new control system elementary diagrams, specifications for the PLC hardware and field instrumentation and PLC software development and services during startup and checkout.

Electrical power system upgrade will include review of variable speed drive and transformer specifications, developed by Public Works. Also it will include developing a sequence of operation for the automatic transfer scheme of the new 4,160 volt switchgear and developing revised protective relay settings for the Power house switchgear, as well as providing services during startup and checkout.

Current Request

Public Works is requesting authorization to contract with Sebesta Blomberg & Associates, Inc. for the Pump Station #4 Control System and PLC Development and Assistance for Electrical Engineering Services.