



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

**Date:** January 17, 2006  
**To:** Honorable Sandra Colvin Roy, Chair Transportation & Public Works Committee  
**Referral to:** Honorable Paul Ostrow, Chair Ways & Means/Budget Committee  
**Subject:** **Contract with HDR to build a new chemical storage building**

### Recommendation:

Authorize the proper City officers to execute a contract with HDR Engineering, Inc. for professional engineering consulting services to perform engineering, architectural, design, construction documents and construction administration services for a new Chemical Storage Building for the Fridley Filtration Plant. The consulting fee is not to exceed \$700,000. The funds are available within the existing project budget (Water 7400-950-9515).

### Previous Directives:

- November 4, 2005: City Council authorized distribution of Request for Proposal (RFP) to build a new chemical storage building

**Prepared by:** Daryoosh Tirandazi, P.E. Engineering Services, 661-4912

**Approved by:**

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

**Presenter:** Shahin Rezania, Ph.D., P.E., Interim Director, Water Treatment & Distribution Svcs.

Permanent Review Committee (PRC)	Approval	<u>  X  </u>	Not applicable	<u>      </u>
Policy review Group (PRG)	Approval	<u>      </u>	Not applicable	<u>  X  </u>

### Financial Impact (Check those that apply)

- X   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
- X   Business Plan:   X   Action is within the plan.        Action requires a change to plan.
- Other financial impact (Explain):
- Request provided to department's Finance Dept. contact when provided to the Committee Coordinator

### Community Impact

Neighborhood Notification: Not Applicable  
City Goals: Maintain the physical infrastructure to ensure a healthy, vital and safe city  
Comprehensive Plan: Not Applicable  
Zoning Code: Not Applicable

**Background/Supporting Information**

The Fridley Filtration Plant uses chlorine for disinfection for providing safe drinking water. Currently, the chlorine is delivered and stored in 90- or 55-ton rail cars. Due to concerns with safety and vulnerability of the bulk rail cars chlorine system and the age of the existing chlorine feed system, Public Works investigated alternatives to the existing rail chlorine storage and feed system. An outside consultant was hired by the City to conduct a detailed study of its existing Fridley chlorine system, present options for improving the existing system in the short term, and present options for future replacements of the rail car system.

Consistent with the consultant recommendation, Public Works decided to use a one-ton chlorine cylinder feed system. Based on this decision, a Request for Proposal (RFP) was sent to various engineering consultants soliciting proposals for the engineering, architectural design and construction administration of a new Chlorine Storage and Feed System Facility Building. Four proposals were received: HDR Engineering, Inc. (\$649,280), CH2M Hill (\$788,700), Black & Veatch (\$730,000) and Short Elliot Hendrickson, Inc. (\$489,600).

After careful review of the Proposals, Public Works selected HDR Engineering, Inc. to provide their professional services, due to their project approach, team member qualifications, and level of related experience. This new Chlorine Facility Building would be designed to feed the present Fridley Filtration Plant and the future Fridley Filtration Plant.

**Current Request**

Public Works is requesting authorization to hire HDR Engineering, Inc. for engineering consulting services to perform the engineering, architectural, design, construction documents, construction administration and start-up of the new Chlorine Storage and Feed System Facility for Fridley Filtration Plant.