

**COUNCIL ACTION FORM**

**SUBJECT: WATER POLLUTION CONTROL FACILITY RAW WASTEWATER PUMPING STATION PIPE SUPPORTS AND CHECK VALVE REPLACEMENT**

**BACKGROUND:**

The Water Pollution Control (WPC) Facility was constructed in 1989. The existing pipe supports and pump check valves in place at the Raw Wastewater Pumping Station (RWPS) are original to the 1989 construction. **Due to the environment present in the pumping station, the pipe supports have become severely corroded and are in need of replacement.** Failure of the pipe supports could result in a catastrophic failure at the facility and would require the plant to shut down and wastewater flows to be diverted to the South Skunk River untreated.

In addition, the check valves on the RWPS's four process pumps have reached the end of their useful lives and are beginning to fail. These check valves ensure that process flows are conveyed to the next step of the treatment process without short-circuiting through pumps that are not running.

Staff has prepared plans and specifications for the replacement of all ferrous metal, saddle-style, pipe supports. The check valve replacement is listed as an alternate add bid item. The estimated cost for this project is as follows:

Pipe Support Replacement	\$80,000
Contingency, 15%	<u>12,000</u>
Total Pipe Support Cost	\$92,000
Check Valve Replacement	\$71,500
Contingency, 15%	<u>10,700</u>
Total Valve Cost	\$82,200

**The FY 2011/12 WPC Facility CIP included \$92,000 for pipe support replacement. Because the projects are in the same building and could be performed by the same contractor, staff anticipates the costs for both parts of the project could come in lower if the work were combined into a single contract. Staff is proposing to bid the pipe support work as a base bid and include the check valve replacement as a bid alternate that could be either accepted or rejected at the time of contract award. If favorable bids are received, funds could be redirected from other projects. If the bid amounts significantly exceed the budget, valve replacement will be postponed.**

**ALTERNATIVES:**

1. Issue preliminary approval of plans and specifications for the replacement of the WPC Facility Raw Wastewater Pumping Station pipe supports and pump check valves, and issue a Notice to Bidders, setting August 15, 2012 as the bid due date and August 28, 2012 as the date of public hearing.
2. Do not issue preliminary approval of plans and specifications and a Notice to Bidders at this time.

**MANAGER'S RECOMMENDED ACTION:**

The WPC Facility's Raw Wastewater Pumping Station pipe supports and pump check valves are critical for the operation of the WPC Facility. Failing to address these issues now could result in significant failures in the future that could result in environmental harm.

Therefore, it is the recommendation of the City Manager that the City Council adopt Alternative No. 1, thereby issuing preliminary approval of plans and specifications for this project and issuing a Notice to Bidders, setting August 15, 2012 as the bid due date and August 28, 2012 as the date of public hearing.