

CITY COUNCIL AGENDA ITEM

CITY OF SHORELINE, WASHINGTON

AGENDA TITLE:	Update on the King County Hidden Lake Pump Station/Boeing Creek Trunk Sewer Project
DEPARTMENT:	Public Works & Parks
PRESENTED BY:	King County Project Staff Dick Deal, Director of Parks, Recreation, and Cultural Services Jesus Sanchez, Operations Manager and Acting Public Works Director Jon Jordan, Capital Projects Manager

BACKGROUND:

At the January 16 City Council meeting King County staff will provide an update briefing on this project. To protect public health and the environment, the King County Wastewater Treatment Division is replacing the aging Hidden Lake Pump Station and 12,000 feet of the nearby Boeing Creek trunk sewer in west Shoreline.

King County is also building an underground wastewater storage pipe in Boeing Creek Park to help limit overflows to nearby Puget Sound. The 500,000-gallon storage pipe will store wastewater temporarily during peak storms (see Attachment A – Hidden Lake Pump Station and Sewer Improvement Project Map).

Construction is expected to run from summer 2006 through spring 2009 (see Attachment B – Hidden Lake Pump Station and Sewer Improvement Project Timeline)

PROBLEM/ISSUE STATEMENT:

Boeing Creek Trunk Sewer Replacement

About 12,000 feet of the Boeing Creek Trunk Sewer is being replaced to protect public health and the environment. Sections of the sewer are more than 40 years old, in poor condition and under capacity. During heavy rain storms, wastewater has overflowed from several manholes onto the ground and into Puget Sound.

The County is coordinating with the City of Shoreline and other utilities to make these improvements and minimize community impacts. The County will replace about 5,000 feet of water mains owned by the Seattle Public Utilities (SPU). At the request of the City of Shoreline, the County will construct a widened asphalt shoulder along the road and repave the entire street at the end of construction.

The contractor will dig a trench to install new pipes that are 8 to 30 inches in diameter. The maximum trench length will be 50 feet. The entire 12,000 feet will not be under construction at one time.

Most work will take place in the street right of way. Traffic control signs and flaggers will direct vehicles safely through the work area. Streets will be restored with a full width asphalt overlay and four-foot widened shoulder after construction ends.

Construction is also occurring within the northeast corner of Richmond Beach Saltwater Park and some work will be done near the entrance of the park. The park will remain open with temporary trail detours.

New Underground Storage Pipe

King County is constructing a new 500,000-gallon underground storage pipe in Boeing Creek Park (see Attachment A) to temporarily store wastewater during large storms and help reduce overflows into Puget Sound. The pipe will also replace an existing 24-inch sewer in Boeing Creek Park owned by the Ronald Wastewater District. The new sewer will be 12 feet in diameter and about 640 feet long. The county will also replace 1,000 feet of smaller pipe in the street near the park.

The City of Shoreline plans to improve its existing storm water facility and make park improvements. At the City's request, the County will grade the existing storm water facility to increase its capacity and then stabilize the area. The City will then complete the storm water project and restore the park after construction ends for both projects. The park will remain open during construction. However, there will be temporary park entrances and trail detours.

Hidden Lake Pump Station Replacement

King County's Hidden Lake Pump Station serves part of Shoreline and collects sewage from the Ronald Wastewater District and Highlands Sewer District. The pump station is nearly 40 years old and is in need of replacement.

King County is replacing the aging pump station to do the following:

- Ensure safe and reliable operations for the future.
- Address critical capacity needs.
- Protect Puget Sound by reducing overflows.
- Meet current design standards, including odor and noise control.

Improvements include:

- Use the existing site.
- Increase the pumping capacity from 4.3 million gallons per day to 6.8 mgd.
- Design building and landscape to fit the community.
- Select equipment to optimize system operation and reduce odors and noise.

Being a good neighbor during construction

King County is working with the community throughout the course of the project to address suggestions and concerns. The community can expect:

- Advance notice of work – mail, e-mail, phone, door hangers
- 24-hour construction hotline
- One-on-one problem solving with directly impacted residents
- Community group briefings
- Close coordination with city

For more information the public can:

- Visit the project website at <http://dnr.metrokc.gov/wtd/projects/hiddenlake.htm>
- Refer to Project Library for project updates, fact sheets, environmental documents and technical reports.
- Call the 24-hour construction hotline at 206-205-5968. A staff person will be paged and will respond promptly.
- Contact Jennifer Kauffman about King County's project at 206-263-6029 or jennifer.kauffman@metrokc.gov. Ask to be added to the project mailing list or e-mail list.

FINANCIAL IMPACT:

These three projects were awarded by King County as one contract to Frank Coluccio Construction Company for \$20.9 million.

Mitigation and Park Improvements

On February 14, 2005 the Council authorized the City Manager to execute an interlocal agreement with King County for construction of these projects and approve the granting of the easements contained therein.

King County has provided the City with \$1.1 million in mitigation for portions of their Hidden Lake Pump Station/Boeing Creek Trunk Sewer Upgrade project located in Boeing Creek Park and Richmond Beach Saltwater Park, \$101,400 for permanent easements in the parks, and will pay an estimated \$31,200 for related temporary construction easements.

At the January 22, 2006 City Council meeting City staff will request authorization from Council to execute a contract supplement for professional services to resume the design process and produce plans, specifications, and contract documents for the Boeing Creek Park Improvements and modifications to the Boeing Creek Park Stormwater Facility. With Council's authorization, the design process can resume this winter, be complete by fall of 2007, and construction could begin spring of 2008.

The City will enhance the park experience and functionality of the stormwater facility with the following improvements:

- Improved parking and ADA access
- Adding a new restroom, benches and landscaping
- Improving trails and stream crossings
- Adding way-finding and interpretive signage
- Increased capacity in the stormwater facility and a cascading water feature
- Planting native vegetation in the pond

The City will also utilize mitigation funds for landscaping improvements to the northeast corner of Richmond Beach Saltwater Park affected by the County project. These improvements, which include the removal of invasive plant species and installation of native shrubs and flowering plants, are part of the master plan for the park. That work is scheduled to begin the fall of 2007.

NEXT STEPS:

Schedule:King County Project Schedule

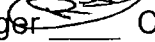
Construction began: summer 2006

Construction complete: spring 2009





Additional information to be presented by King County staff will include work completed to date, project schedule, traffic impacts and diversions for pipe replacement along roadways, public outreach, and park restoration schedule.

RECOMMENDATION

No action is requested. This report is for information only.

Approved By: City Manager  City Attorney ____

Hidden Lake Pump Station and Sewer Improvement Project

-  Richmond Beach Wastewater Service Area
-  Overflow to Puget Sound
-  Existing Sewer Line
-  Boeing Creek Trunk Sewer Line Replacement Area

**Boeing Creek
Trunk Sewer
Replacement
Area**

**Hidden Lake
Pump Station
Overflow**

**New Hidden Lake
Pump Station**

**New
Underground
Storage
Pipe**

**To Edmonds
Treatment Plant**

**Richmond Beach
Pump Station**

**SNOHOMISH COUNTY
KING COUNTY**

**CITY OF
SHORELINE**

**Puget
Sound**

**SEATTLE GOLF
AND
COUNTRY CLUB**

Projected Hidden Lake Sewer Improvement Project Timeline

