

Barton Pump Station Upgrade

Construction update

September 26, 2012

Jet grouting to begin soon at the Barton Pump Station

What is jet grouting?

Jet grouting is a soil stabilization process that will allow crews to safely work underground on the pump station upgrades. This technique uses pressure, water and a slurry substance known as soil-cement, to create columns that form stabilized walls or panels underground.

To begin the process, jet grouting equipment, which includes a narrow drill rod with small nozzles, is drilled down into the ground. As the equipment is slowly raised out of the ground, the drill rod ejects the soil-cement into the soil from the small nozzles using pressure. The soil that is displaced from the ground is captured in a catch basin and removed from the site.

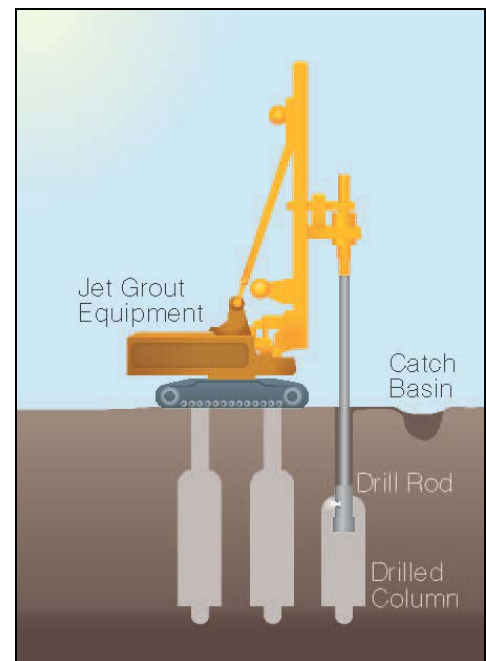
Why use jet grouting?

Jet grouting has advantages over other types of soil stabilization techniques, including:

- Is quieter and less vibratory than other techniques
- Can be done in small, confined spaces, like the pump station project area
- Can be done around existing utilities
- Is capable of treating all types of soils from clays to gravel

What to expect

- Work hours typically 7:00 a.m. – 5:30 p.m. Monday through Friday
- Increased noise and activity at and around the site
- Heavy equipment on site, including jet grouting equipment and water tanks
- Flaggers and ferry staff to move pedestrian, bicycle and auto traffic safely through site
- Uniformed police officer to move impacted traffic in and out of ferry terminal
- **Temporary ferry lane and toll booth closures (see reverse for additional information on keeping traffic moving)**



Example of the jet grouting process to be used at the Barton Pump Station

For more information contact Kristine Cramer:
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Visit: www.kingcounty.gov and search "Barton Street"

24-hour project hotline:
206-296-2999

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Temporary lane closures to begin week of October 1

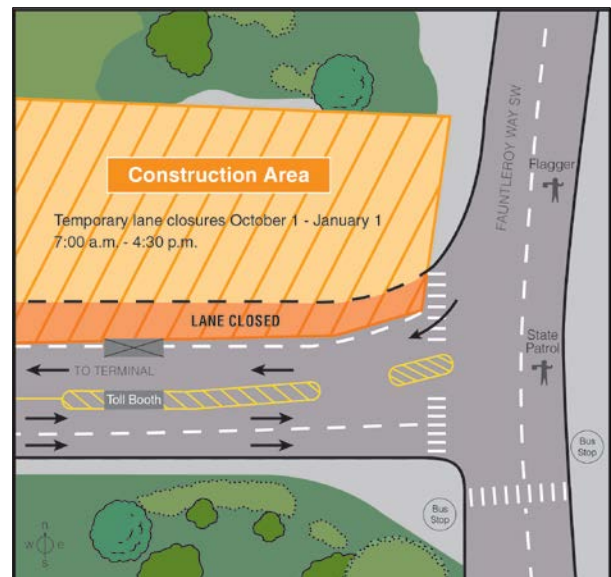
Beginning as early as Monday, October 1, 2012 there will be temporary closures of the north ferry loading lane and toll booth at the Fauntleroy Ferry Terminal. Construction crews will need to close the lane to conduct jet grouting work, a soil stabilization process that will allow crews to work safely underground on the pump station (see reverse for additional information on jet grouting).

Keeping ferry traffic moving

King County has been working closely with Washington State Ferries (WSF) throughout the project to ensure minimal disruption to traffic along Fauntleroy Way S.W. and at the ferry terminal.

During the jet grouting process, there will be temporary closures of the north ferry loading lane and toll booth. While the lane is closed commuters can expect extra flaggers to move pedestrian and bike traffic, and a traffic director to split pre-ticketed traffic at the entrance. When unloading traffic is affected a uniformed police officer will be on site to direct traffic.

Due to the nature of this work, King County may not be able to announce lane closures on a daily basis. The lane will only be closed when work is being performed; however, drivers should be prepared for daily closures.



Due to jet grouting activity, there will be temporary north lane and toll booth closures.

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