

Community Update

The Port Mann/Highway 1 Improvement Project (PMH1) is part of the B.C. Ministry of Transportation and Infrastructure's Gateway Program, which will improve roads and bridges for people, goods and transit throughout Metro Vancouver.

The PMH1 Project, including construction of the new Port Mann Bridge, is expected to be complete by December 2013. The project will widen 37 kilometers of Highway 1 from Vancouver to Langley, upgrade interchanges, improve transportation choices, and includes congestion-reduction measures such as HOV lanes, transit and commercial vehicle priority access, improvements to the cycling network and electronic tolling on the new Port Mann Bridge.

Since our last *Community Update*, the following significant **milestones** have been achieved:

- Construction was officially launched in Surrey on February 4, 2009, with placement of the first pile for the foundation of the new bridge.
- On February 27, 2009, the Province entered into a contract with the joint venture of Peter Kiewit Sons Co. and Flatiron Constructors Canada Limited to design and build the road and bridge improvements.



Artist's rendering of the new Port Mann Bridge showing transit/HOV lanes and separation of through traffic from local traffic.



Artist's rendering of the new Port Mann Bridge.

- Excavation at the Cape Horn Interchange in Coquitlam has taken place to allow for construction of a retaining wall westbound on Lougheed Highway. This will create a temporary detour route for future highway widening and later will provide improved access between Highway 1 and Lougheed Highway westbound.
- A lane shift has come into effect in both directions between 1st Avenue and Grandview Highway Interchange on Highway 1, providing a work area in the centre median to strengthen and widen existing overpasses.
- The East Guildford Park & Ride lot near the 160th Street Interchange in Surrey has been moved just west of the existing site to allow for fish habitat improvements.

As crews continue to work along one of the busiest corridors in Canada, drivers are requested to obey construction speeds and watch for flag persons. Please use caution, particularly at night, when temporary lane closures will be required. And remember, traffic fines double in construction zones.

A key goal of the PMH1 Project is to maximize predictability during construction and minimize disruption for commuters, goods movers, residents and the public.

Port Mann/Highway 1 Improvement Project

Surrey - Langley Section

Within the Highway 1 right of way, work over the past few months has focused on clearing trees and brush to make way for new traffic lanes. Minor late night temporary highway closures were required to ensure safety, and this work is progressing well.

Hjorth Creek fish habitat enhancement at the 160th Street Interchange has started. The ecological enhancement program includes relocating North Hjorth Creek to an existing streambed, excavation, planting and fish habitat improvements.

Improvements will also create berms in some areas to help reduce noise from highway traffic. Further information on this important part of the PMH1 Project will be posted to the project website soon.



Surrey - Environmental enhancement work at 160th Street.

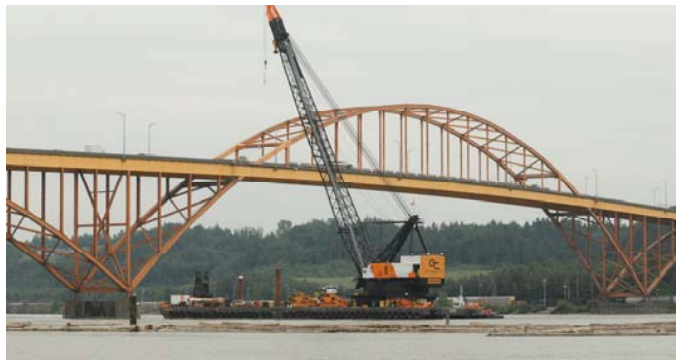
Crews will also continue clearing underneath the south side of the existing bridge.

Later this summer, construction will begin on a new 160th Street bridge across Highway 1 to replace the existing structure. Ground improvement and soil stabilization work will continue throughout the corridor.

Port Mann Bridge

The new Port Mann Bridge will have three components:

- A cable-stayed main bridge across the Fraser River
- South approach (Surrey)
- North approach (Coquitlam).



Fraser River - DB General gantry crane undertaking north tower pile placement.

The deck of the main bridge will hang from cables connected to two main bridge towers or pylons. The south tower will be located on the Surrey shore and the north tower will be located in the Fraser River.

Construction of the foundations for the south tower is ongoing. Intermittent pile driving for the tower and foundations for the south approach is expected to continue until mid-November.

A specialized marine barge/crane is currently on the Fraser River, and has commenced piling the north tower foundations. Wherever possible, quieter vibratory piling techniques will be used to minimize noise disruption.

A temporary trestle is being constructed from the Coquitlam shore and will become the work area for bridge construction. The trestle will be complete by late October.

Construction of a fabrication facility on the Coquitlam shore has begun. Once operational, this facility will produce pre-cast concrete bridge sections that beginning in early 2010, will be transported to the site where they will be installed.

Summer/Fall 2009 Construction What To Expect

Coquitlam - Cape Horn Section

Preparation work in and around the Cape Horn Interchange has been ongoing for several months. Construction has started on the retaining wall westbound on Lougheed Highway in the Interchange, to create a temporary detour route for future highway widening.

Once the Lougheed Highway retaining wall is complete (target October 2009), Lougheed Highway will be shifted to the north using this temporary detour route, which will allow for the construction of future westbound lanes on Highway 1.



Coquitlam - Lougheed Highway cut near the Cape Horn Interchange.

Over the summer months, crews will continue clearing trees and brush, undertaking geotechnical investigations, and relocating utilities and ditches. Fencing will be installed along Highway 1 to reduce driver distraction. Environmental habitat enhancement work will also commence in the Mundy Creek area near Cape Horn Avenue.

Ground improvements north of Mary Hill Bypass over the CP Rail lines will continue in preparation for the future direct connection between Mary Hill Bypass and Highway 1, over United Boulevard. Earthworks will also commence for future truck-only access from Highway 1 to United Boulevard at Fawcett Avenue.

Vancouver - Burnaby Section

Work on structural strengthening and widening in Vancouver will continue for the next 18 months. Lane shifts similar to the recently installed changes in Vancouver will continue east as far as North Road.



Vancouver - Temporary lane width reduction at Boundary Road.

Construction of environmental enhancement sites near Willingdon Avenue and Gaglardi Way is slated to begin in the coming weeks.

At the Sprott Street Interchange, work will soon begin to construct a new crossing and remove the existing one. This work will include nighttime lane closures on Sprott Street and Highway 1, and the relocation of the cyclist/pedestrian crosswalk onto the west side of the bridge. Concrete barriers and visual screenings will be put in place during construction.

Preloading and ground strengthening will also begin throughout the corridor.

Further Information

The Project team thanks you for your patience during these necessary improvements to our transportation network. Some noise and disruption is necessary to complete these works, and we are continually working to minimize the affects.

For up-to-date information on traffic, road conditions and construction, visit the PMH1 Project website at www.pmh1project.com, or the Drive BC website at www.drivebc.com. See below for contact information.

The Gateway Program

The Gateway Program road and bridge improvements are part of a broader provincial transportation vision that includes expansion of bus services, the addition of seven new Rapid-Bus lines, the Canada Line, the Evergreen Line, and improvements to the provincial road network. Together, these projects represent a balanced approach to providing environmentally, socially and economically sustainable improvements.



Gateway Program Projects: (from left) Artist's renderings of the new 10-lane Port Mann Bridge, Pitt River Bridge and South Fraser Perimeter Road.

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Visit Our New Website

The PMH1 Project has launched a new website at www.pmh1project.com. Visit the website to sign up for project updates and to find out the latest project information. The Gateway Program website remains operational at gatewayprogram.bc.ca.



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