

AGENDA ADDENDUM

COUNCIL WORKSHOP

Tuesday, July 19, 2016

5:00 p.m.

Committee Room, Municipal Hall

355 West Queens Road,

North Vancouver, BC

Council Members:

Mayor Richard Walton

Councillor Roger Bassam

Councillor Mathew Bond

Councillor Jim Hanson

Councillor Robin Hicks

Councillor Doug MacKay-Dunn

Councillor Lisa Muri



NORTH VANCOUVER
DISTRICT

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Committee Room, Municipal Hall
355 West Queens Road, North Vancouver

AGENDA ADDENDUM

THE FOLLOWING LATE ITEMS ARE ADDED TO THE PUBLISHED AGENDA

3. REPORTS FROM COUNCIL OR STAFF

3.1. Major Projects Update

File No. 16.8310.01/000.000

Recommendation:

THAT the July 15, 2016 report of the Manager – Engineering Projects entitled Major Projects Update be received for information.

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AGENDA INFORMATION	
<input type="checkbox"/> Regular Meeting	Date: _____
<input type="checkbox"/> Other:	Date: _____

	3.1		
Dept. Manager	GM/ Director	CAO	

The District of North Vancouver REPORT TO COUNCIL

July 15, 2016
File: 16.8310.01/000.000

AUTHOR: David Desrochers P. Eng., Manager, Engineering Projects

SUBJECT: Major Projects Update

REASON FOR REPORT:

To provide Mayor and Council with an update on several major infrastructure projects in the District.

SUMMARY:

The projects reported on here include:

Underway:

- Keith Road Bridge
- Mountain Interchange
- Creek Flood/Debris Hazard Controls and Culverts

Upcoming:

- Montroyal Bridge
- Lynn Valley Bike Lanes
- Lynn Valley Road Underpass
- Inter River Refresh Plan
- Phibbs Exchange
- Dollarton Lift Station

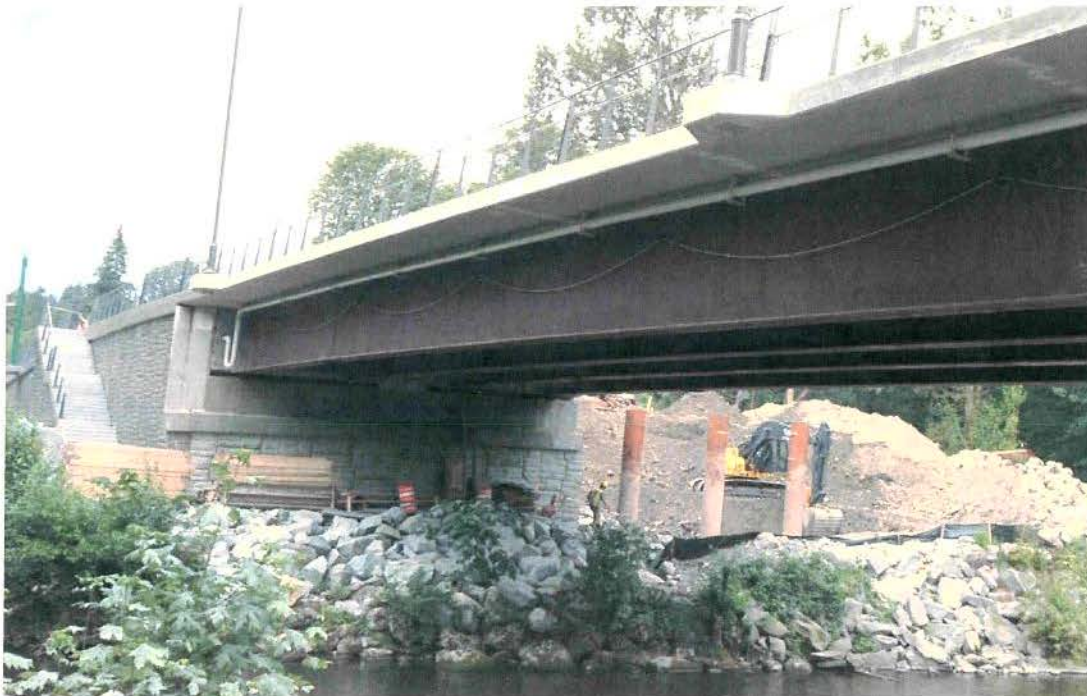
Completed:

- Norgate Field House
- Philip Overpass
- Carisbrooke Rose Garden

Underway:

Keith Road Bridge:

This \$14.5M bridge project replaces a 70-year-old bridge that was at the end of its life and will improve the east west connection across Lynn Creek. With the second half of the bridge currently under construction, it is expected to be fully open to traffic by the end of 2016. Associated with this work are several improvements to the parking lot at Bridgman Park and the trail system linking Bridgman and Seylynn parks.

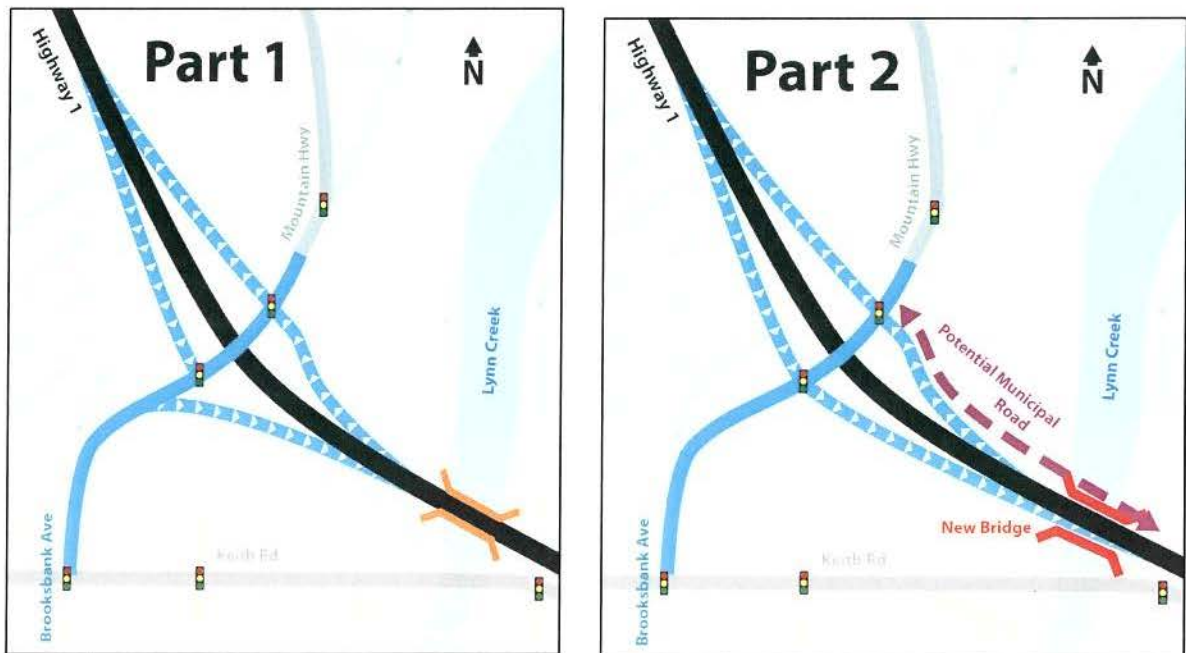


Underway

Mountain Interchange/Lower Lynn:

Pre-construction works are underway. This work includes land clearing and grubbing, Fortis utility relocation, the installation of a temporary culvert for Keith Creek, and related work. The project will be tendered later this year and MOTI's contractor is expected to move on site before the end of 2016. Construction is expected from now until the end of 2018

The 90% design has been reviewed by staff. The project is proceeding with the general design shown in part 1 (below). Depending on the results of the study examining the feasibility of improving the Lynn Creek Bridge, and widening the highway (a collector-distributor system) will be the subject of future discussions with the Provincial and Federal Governments.



Underway

Creek Flood/Debris Hazard Controls and Culverts

With \$2.5M in Build Canada Grant funding, the program to reduce flood and debris hazard risks associated with the creeks and culverts in DNV is well underway. Staff are currently reviewing the results of the District-wide debris hazard assessment to update the asset management plan for drainage infrastructure. All major creeks have been assessed and prioritized based on the potential safety and economic risks. Work has begun to reduce the risks at Kilmer, Thames, and Gallant Creeks.



Culvert replacement/rehabilitation is an ongoing program and the 2016 program has 4 major culvert locations. These projects include: 600 W Queens Road (\$160K culvert replacement already completed), 2 culvert relining projects on Mission Creek at Silverdale Place (\$460K), 2 culvert replacements on Panorama Creek at Indian River Drive (\$250K), 2 culvert replacements on Maplewood (\$250K).



Upcoming

Montroyal Bridge:

The replacement of this 60-year-old bridge is eligible for federal grant funding of up to two thirds of the total cost. Grant announcements are expected in early 2017 at which time the project will be ready for construction. The detailed design is expected to be completed by the end of 2016. In the meantime, some tree planting along the southeast quadrant outside the construction zone will take place this summer. A bylaw to ensure the provision of service by third-party utilities while not encumbering the construction of District assets is under consideration.

To mitigate traffic impacts, a temporary two-way bridge will be installed prior to demolition of the existing bridge.

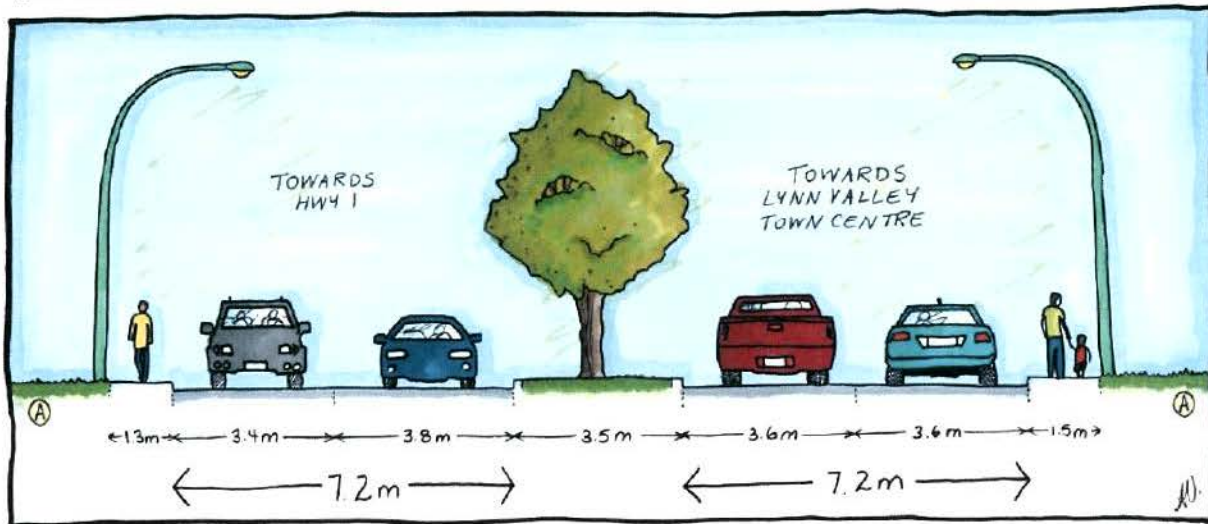


Upcoming

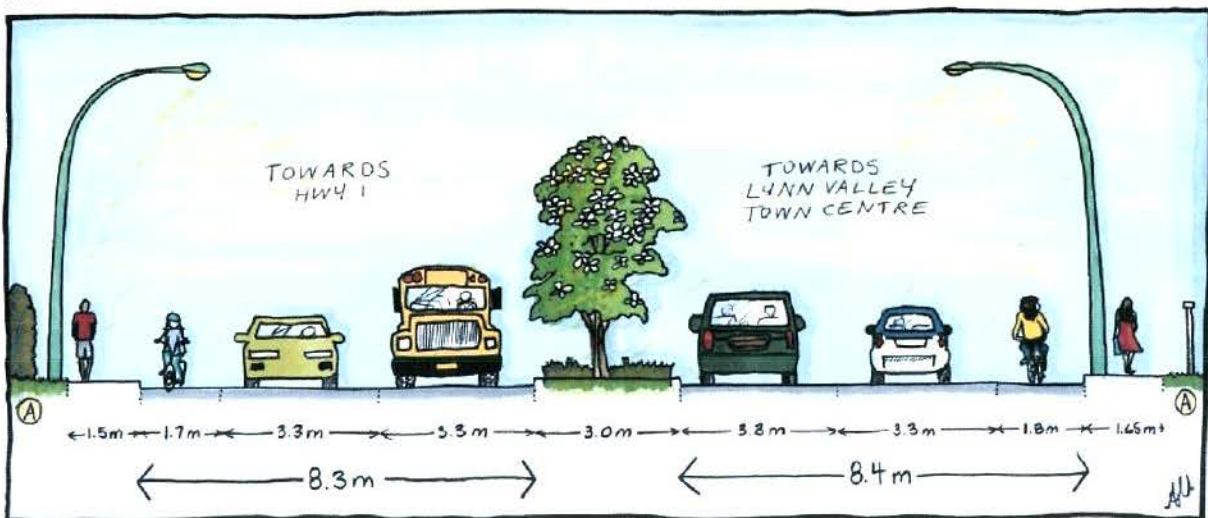
Lynn Valley Road Bike Lanes:

Subject to Council authorizing a budget increase on July 18, 2016, this project will be underway this fall. The Lynn Valley Road bike lanes are supported by \$612,000 in grant funding and will provide a critical link in the north shore's bicycle network. The scope involves widening three blocks of Lynn Valley Road, replacing and upgrading the planted median, and installing new painted bike lanes in both directions between Morgan Road and Mollie Nye Way. Coordination with other projects that will also affect access to and egress from Lynn Valley is a primary focus.

BEFORE:



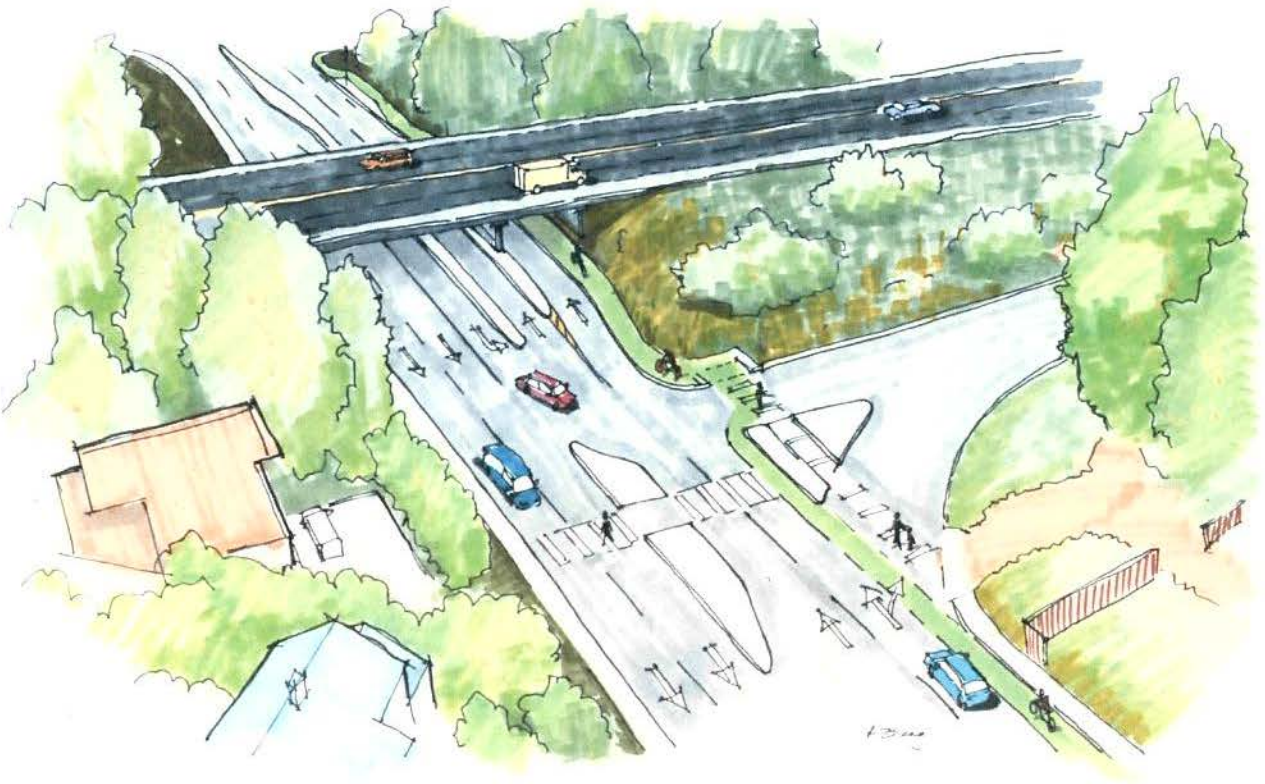
AFTER:



Upcoming

Lynn Valley Road Underpass:

This project is a direct benefit from development in Lynn Valley Town Centre. Bosa has provided a \$1.8M security deposit with the District which guarantees funding to widen the underpass and installing a bike lane. A class C construction cost estimate has this project within budget. Because multiple jurisdictions (DNV, CNV, MOTI) are involved, it is likely that the project will be under construction in 2017. This work will be coordinated with Mountain Interchange works and the installation of Lynn Valley Road bike lanes.

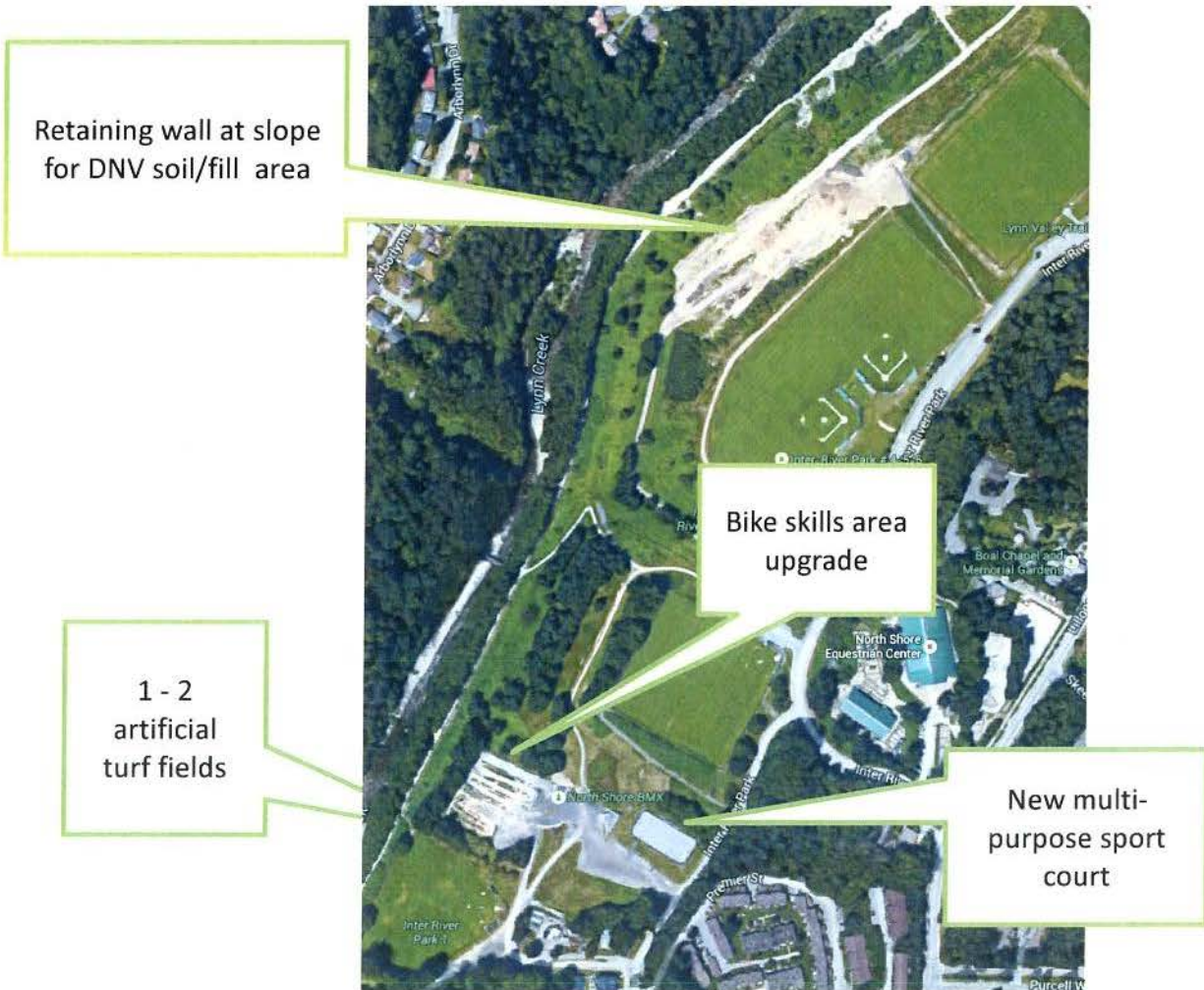


Upcoming

Inter-River Refresh Plan

Inter River Park is a key community park with multiple park amenities that attract users from across the District and North Shore. In 2016 a number of new initiatives are underway:

1. Inter River Park South Field - consultants are completing a feasibility study to convert the existing south grass field into artificial turf fields with lighting, and improved roadways and trails. In the Fall, a draft report will be available to discuss with the public, sports users, and Council.
2. Inter River Lacrosse Box Renovation –subject to funding in 2017, this work will be initiated to provide a flexible sports court to address the many recreation needs.
3. Inter River Bike Park – the BMX park was recently redesigned, renovated and re-opened to excellent reviews. The new pump bike park under design, with construction to begin later in the year.
4. Retaining Wall along North End of Dyke Road – a new retaining wall will be built along the east side of Dyke Road near the north end of the fields to support the District’s operational needs for a soil fill site.



Upcoming

Phibbs Exchange:

Earlier this year a funding announcement was made by senior governments and while the final funding agreements have yet to be finalized, the following is the general formula:

Federal	50%
Provincial	33%
Regional (Translink)	17%

While the formula indicates that the costs are covered through senior levels of government, DNV will look to include funding in 2017 to ensure the exchange is integrated and consistent with the Lynn Creek Design Guidelines.



Upcoming

Dollarton Lift Station

The District owns and operates 39 lift stations which are important components of the sanitary sewer system. The Dollarton Lift Station is being upgraded to provide sufficient capacity for the Cates Landing neighbourhood. This project has a budget of \$750,000. While some of the construction works can take place off the road, careful coordination will that ensure there are not significant lane closures on Mount Seymour Parkway at the same as Dollarton.



Underneath the at-grade kiosk, a lift station stretches approximately 5m deep and 6.5 M wide.

Completed

Norgate Field House

This project is nearing completion in mid-July. This 1981 square foot building consists of public washrooms, and flexible space available for change rooms/meeting room for games, tournaments and public events. It also includes a small plaza and concession area for teams to sell food and drinks during games. This building will serve the sports field needs for football, cricket and baseball, as well as the broader community. The cost for the building including new site services and external pathways is \$1,370,000



Completed

Philip Overpass:

Opened on July 6, 2016 The Phillips Overpass was constructed in a partnership with the Federal Government, the Provincial government, DNV, CN, and Kinder Morgan. Happily, this project is expected to be \$2M under the total \$30M budget. The District's contribution to the project was \$300K.



Carisbrooke Rose Garden

The new rose garden at Carisbrooke Park was designed and completed in 2016 as a replacement for the well-loved William Griffin Rec Centre rose garden. This new rose garden provides tiered and raised garden beds with roses and perennials, and stone benches along with a pergola to provide a serene place for contemplation.



Construction Coordination:

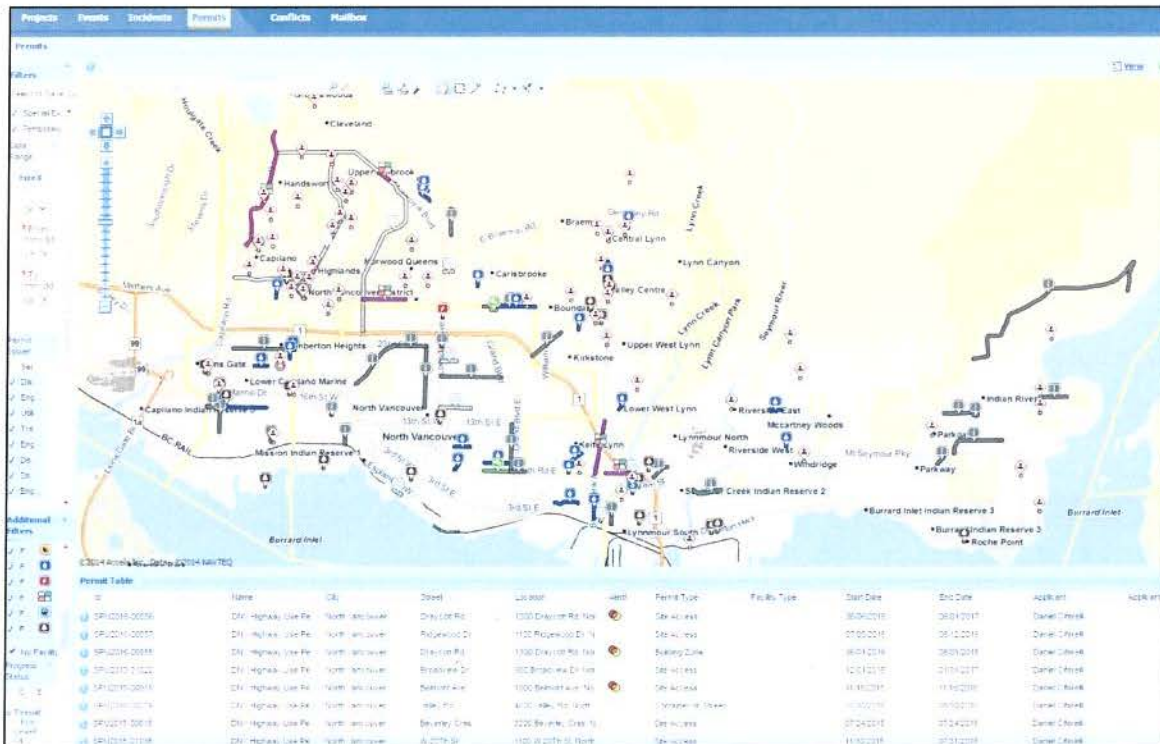
These projects along with infrastructure maintenance, third-party utility maintenance and upgrades, and major and minor development sites require proactive coordination and permitting. As development projects are charged by the square metre for street space, their footprint decreases and revenues off-set the cost of the program. North Shore wide coordination is improving with more jurisdictions playing a role and more third-party utilities seeking permits.

The implementation of software to provide coordination has proven to be a valuable tool for staff who are planning work and issuing permits to external parties.

With the addition of one more staff in May 2016, issuance and enforcement of permits for the single-family redevelopment sector is a priority.

Year	HUPs Issued	HUP Fees
2011	472	\$43,738.00
2012	584	\$43,721.00
2013	607	\$46,208.00
2014	796	\$75,828.00
2015	1083	\$165,361.00
2016	750*	\$86,000**

*July 2016, ** June 2016



Screen shot of coordination software tool.

Conclusion:

The District is investing wisely in infrastructure projects that directly benefit residents. And while there are some inconveniences associated with the construction, careful coordination of projects is resulting in fewer negative impacts to the public.

Respectfully submitted,



David Desrochers, P. Eng.,
 Manager, Engineering Projects

REVIEWED WITH:		
<input type="checkbox"/> Sustainable Community Dev. _____	<input type="checkbox"/> Clerk's Office _____	External Agencies:
<input type="checkbox"/> Development Services _____	<input type="checkbox"/> Communications _____	<input type="checkbox"/> Library Board _____
<input type="checkbox"/> Utilities _____	<input type="checkbox"/> Finance _____	<input type="checkbox"/> NS Health _____
<input type="checkbox"/> Engineering Operations _____	<input type="checkbox"/> Fire Services _____	<input type="checkbox"/> RCMP _____
<input type="checkbox"/> Parks _____	<input type="checkbox"/> ITS _____	<input type="checkbox"/> NVRC _____
<input type="checkbox"/> Environment _____	<input type="checkbox"/> Solicitor _____	<input type="checkbox"/> Museum & Arch. _____
<input type="checkbox"/> Facilities _____	<input type="checkbox"/> GIS _____	<input type="checkbox"/> Other: _____
<input type="checkbox"/> Human Resources _____	<input type="checkbox"/> Real Estate _____	

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