



Engineering & Public Services

Quarterly Status Report

Fourth Quarter 2006

October - December

ENGINEERING

Bylaws

Soil Removal & Deposit Bylaw

The revised Soil Removal and Soil Deposit Bylaw was amended at second reading to incorporate the various recommended changes to address the concerns of local businesses. After third reading the Bylaw will be forwarded to the Ministry of Community Services for approval, prior to final adoption.

Truck Route Bylaw

A report to Council, along with a draft Request for Proposal (RFP) regarding the redrafting of the Truck Route Bylaw was presented to Council in September. It is anticipated that the RFP will be sent out in the New Year.

Projects

Transportation Planning Study Projects

- **Mt. Newton Cross Road Bike Route (Central Saanich Rd. to East Saanich Rd.)**
The lanes have been stamped for cyclists and will be painted in the Spring.
- **Sidewalk Infill on Keating X Road** Work is being completed by District Public Works crew, ongoing through the Spring.
- **Grilse Lane/Bickford Lane** – Water main installed and paving complete. Railing will be installed in February.
- **Wallace Drive Sidewalk - Thrifty Foods to East Saanich Road** Work is now complete.
- **Terasen Gas Road Cuts – Keating Cross Road** – Works complete.

- **Traffic Control Signal Study** – The consultants report identified repairs and upgrades of varied priority, to be implemented with a phased approach subject to available funding.

Integrated Stormwater Management (ISMP) Study

At the Oct.16, 2006 In Camera Special Council Meeting, Public at Large Members were appointed to the ISMP Stakeholder Advisory Committee. The Inaugural meeting was held November 21, 2006 with a review of the Draft Terms of Reference. Councillor Alastair Bryson was selected as Committee Chair. Next meeting to be held in February.

Sandhill Creek Stewardship Engineering and Public Works staff discussed the scope of the project with Peninsula Streams representatives. Public Works Coordinator is the District's liaison on this project.

Sewer System Modifications - \$120,000

- Root repairs – \$30,000 – ongoing
- Sewer Main replacement – Sea Drive/Delamere – Scheduled for Nov 06 has been deferred pending a review of the entire collection system.

West Saanich Road Traffic Corridor Revitalization

The watermain has been installed, the roundabout and drainage works are underway, and BC Hydro conduits installed. The project is 70% complete. Updates are being placed on the Municipal website.

Saanichton Bay Erosion Protection/Beach Access

Stairs and signage upgrades as recommended by MIA were completed in December.

General Drainage Projects

- James Island to Arthur Drive; and Brentview Drive now complete.
- Mt. St. Michael ditch works have been delayed to the new year.
- Drainage works on Clearview to commence in the new year.

Smoke Testing - \$5,000

Smoke testing in an area of Brentwood Bay was completed in October.

Saanichton PRV Upgrades

Design drawings complete. Implementation was previously deferred due to lack tender submissions. Potential upgrades to the PRV will be reevaluated in conjunction with the proposed Senanus water main extension.

Woodward Drive Watermain Replacement - \$75,000

Construction and commissioning of the main was completed in December of 2006 with the final landscaping and grading along the boulevard to be completed in early 2007.

PUBLIC WORKS

Vehicle Equipment Maintenance

- ❖ Police – regular servicing of the fleet.
- ❖ Fire – provincial inspection and regular servicing of all fire equipment.
- ❖ Roads/Drains – regular servicing and provincial inspections.
- ❖ Parks - regular servicing of vehicles and continued cooperation with parks staff to

optimize well maintained and safe equipment operation.

- ❖ Water/Sewer – regular servicing and provincial inspections.
- ❖ Engineering and Inspections – regular servicing of vehicles.
- ❖ Strict stock control and implementation of new provincial inspection and safety code requirements.
- ❖ Initiated the operation of a new Parks irrigation maintenance truck, a new forklift and a new Police car.
- ❖ Operated the Garage on a 24/7 basis during the snow and ice storms.

Roads and Drain Maintenance

- ❖ Cleaned Hagan Creek at Bryson's Bridge.
- ❖ Constructed 110 meters of concrete sidewalk at Wallace and East Saanich and on Keating Cross Road.
- ❖ Inspected and cleaned 1300 culvert ends.
- ❖ Completed 1200 meters of ditching.
- ❖ Spent 200 staff hours picking up litter.
- ❖ Cleaned and inspected a portion of the District sign inventory.
- ❖ Installed forty meters of storm sewer main to protect the exposed sanitary sewer main.
- ❖ Installed 140 meters of Storm Sewer on Brentview Drive.
- ❖ Responded to a major snow event.
- ❖ Responded to five major wind events in which many trees were fallen and power was disrupted.
- ❖ Heavy rains followed the wind storms and Roads/ Drains responded to many requests for service.

- ❖ *The corresponding cleanup following the snow, wind and rain storms is ongoing and will run well into 2007.*

Water and Sewer Maintenance

- ❖ *Maintained the entire water distribution system in the District.*
- ❖ *Maintained the entire sanitary sewer collection system.*
- ❖ *Completed the December meter reading with the assistance of Peter Smith. (2500 meters)*
- ❖ *Completed water main tie-ins at West Saanich and also on Benvenuto.*
- ❖ *Replaced the water main on Woodward Drive.*
- ❖ *Installed the Grilse Lane water main relocation.*
- ❖ *Installed six new water services, three new sanitary sewer connections and serviced 460 fire hydrants.*
- ❖ *Continued the dual check/meter replacement program. (350 in 2006)*
- ❖ *Completed annual sanitary sewer root repairs and repairs to reduce infiltration of storm water into the sanitary mains.*
- ❖ *Had the video contractor view fifteen kilometers of sanitary sewer main.*
- ❖ *Flushed five kilometers of sanitary sewer main and repaired twenty three manholes.*
- ❖ *Responded to more than forty water /sewer service calls.*
- ❖ *Attended to all power outages caused by the frequent winter storms.*
- ❖ *Assisted Roads Drains with storm response.*

Parks Maintenance

- ❖ *Performed routine Parks tasks such as litter collection, trail maintenance and painting within the Parks System.*

- ❖ *Routine grass cutting within our Community, Neighbourhood and Nature parks.*
- ❖ *Fall field maintenance was completed.*
- ❖ *Central Saanich Days were a big success (special thanks to the Central Saanich Lions Club)*
- ❖ *Fall field maintenance was completed at Centennial Park.*
- ❖ *Monthly park and playground inspections completed.*
- ❖ *Fifteen dedication benches are being refinished.*
- ❖ *Seabrook Park playground equipment replacement and drainage upgrade is complete.*
- ❖ *Winterized all irrigation systems and equipment for the season.*
- ❖ *Ongoing replacement of standard parks signage.*
- ❖ *Completed the installation of the dual check backflow prevention within the parks irrigation system.*
- ❖ *Tree management is under way as well as assisting other sections of Public Works with tree related issues. These removals and plantings will continue into 2007.*
- ❖ *Snow and ice removal at all Municipal facilities.*

Workplace Safety and Risk Management

In order to comply with Workers' Compensation Board (WCB) Regulations and limit the District's liabilities, the following steps were taken:

Weekly General Safety Meetings and Monthly Safety Committee Meetings were held at the Public Works Yard.

- ❖ Ensured the completion of quarterly inspections:
 - i. First Aid Kits
 - ii. Eye wash stations
 - iii. Emergency Lights
- ❖ Provided training/clinics for the following issues:
 - i. Safe chainsaw use
 - ii. Part three of the hepatitis vaccinations
 - iii. Flu shots
 - iv. Accident investigation
 - v. Bloodborne pathogens / sharps
 - vi. Confined Space Entry
 - vii. Ladder safety
 - viii. Winter safety.
- ❖ As of December 31, 2006, we have worked 159 continuous days without a significant loss time accident.
- ❖ Completed crane, hoist and winch inspections.

Public Services

- ❖ Fuel Tanks:
 - i. Monitored tanks on a weekly basis to ensure that the tanks are not leaking, and
 - ii. Physically inventoried tanks on a monthly basis to ensure that there is not any fuel loss.
- ❖ Processed 154 requests for service.
- ❖ Updated and monitored the Public Works Section of the District website.
- ❖ Completed the annual survey of the District's street and traffic lights.
- ❖ All Yard staff took place in the "Don't Shoot the Messenger" customer service seminar.

Public Works **Environmental Initiatives**

- ❖ Scraping out the grass and debris from sidewalks seems to prevent growth and reduce the need to use herbicides.
- ❖ Wood products are no longer burned at the Works Yard, they are sent for grinding and the byproduct is recycled.
- ❖ All organic waste products are composted and produce topsoil for Public Works projects.
- ❖ All asphalt and concrete construction waste is returned to the production plant for recycling.
- ❖ Continue to implement the Integrated Pest Management program to reduce the use of pesticides in the community.
- ❖ Initiate the use of hybrid technology to reduce emissions and fuel consumption.
- ❖ Ongoing installation of low power LED lights so vehicles don't have to have the motor running on the job. This initiative reduces fuel consumption and reduces harmful emissions.
- ❖ A "NO UNNECESSARY IDLING" policy is in place for all public works vehicles to reduce emissions and reduce harmful emissions.
- ❖ A fuel additive is added to the diesel and gas to reduce emissions and add lubrication to reduce maintenance costs.
- ❖ Received a Federal grant to test Biodeisel in the Central Saanich fleet in an attempt to reduce air pollution and consumption of fossil fuels.

PURCHASING:

Description	Budget	Actual Cost	Status
Seabrook Park Play Equipment, Est.	35,000	35,000.00	Rec'd Aug 31
Roller #309 > #319	35,000	27,322.66	Rec'd Aug 15
Forklift #708 > #718	30,000	27,401.08	Rec'd Oct 25
Cab & Chassis for #207 > #217	42,000	23,432.67	Rec'd Aug 30
Svc. Body (part of #217).	0	17,511.62	Rec'd Oct 25
Cab & Chassis #406 > #416	25,000	26,589.17	Rec'd Aug 30
Service Van #408 > #418	42,000	46,260.05	Rec'd Jan 03/07
Auction Value for Veh. # 408 Est.	0	-2,500.00	ETA Jan 30/07
Trailer, Bobcat #385	4,500	4,386.30	Rec'd June 27
Trailer, Asphalt Roller, #370	4,500	4,365.30	Rec'd Aug 24
	0	0	
TOTAL	\$218,000	\$209,768	TOTAL

Nirmal Bhattacharya, P. Eng.
Municipal Engineer
January 2007