



Engineering & Public Services

Departmental Activity Report

May - August 2008

ENGINEERING

Bylaws

Truck Route Bylaw

The Truck Route Bylaw has been reviewed by Municipal Solicitors and Staff. Report going forward to Council for adoption in late October / early November.

Surface Water Runoff Bylaw

To be reviewed and forwarded to Municipal Solicitors.

Rey Road Traffic Regulation Bylaw

Installation of the lockable gate and associated road works are currently in progress. It is anticipated that Rey Road Traffic Regulation Bylaw will be adopted in Oct-Nov period, at which time the gate will be closed for other than emergency vehicle access and for commuter access at times when Monte Vista Way is impassible due to inclement weather.

Projects

Transportation Planning Study Projects

- **Mt. Newton and Central Saanich Road Crosswalk Review** Due to the limited area for pedestrian refuge, other items will be addressed to improve visibility and pedestrian safety at this location, i.e. rumble strips, tree trimming, bus stop warning signs.
- **East Saanich and Prosser Road Crosswalk Review** A pedestrian refuge was constructed at this location.
- **East Saanich Road Bike Lanes and Trail** Three proposals received. Proposal has been accepted by Delcan.

- **“Welcome to the Neighbourhood 40 km Signs”** will be installed by the end of October.
- **Benvenuto/West Saanich Intersection Improvement** Land ownership being resolved.
- **Keating School Crosswalk Improvement** Light posts have been ordered and lights have been sent for upgrading. To be installed end of October.
- **Bus Stop Improvement Program** A new application was sent to BC Transit for additional funding for Keating/West Saanich location to be upgraded end of October (Approved). Six stops currently upgraded.
- **Pavement Management Project** Stantec Consulting Ltd. has delivered the final report of the roadways condition analysis, which identifies which sections of the road network on a priority basis require rehabilitation, the options of rehabilitation methods, and funding scenarios. The report findings will be presented to Council in early 2009 prior to the budgetary planning period.
- **Asset Inventory and Valuation -PSAB** The asset inventory and valuation project has been awarded to Dayton and Knight in partnership with Opus International. Engineering, Finance and Public Works will be working with the consultants as required. It is anticipated that the project will be completed in December 2008.
- **Integrated Stormwater Management (ISMP) Study** The 90% Review was presented to Stakeholder Advisory Committee and an

update was presented to Council. Open House to be held October 16, 2008.

Tetayut Creek Stewardship Engineering and Public Works staff continue to work with Peninsula Streams representatives. Public Works Coordinator is the District's liaison on this project.

General Drainage Projects Clarke Road drain was exposed and relined by own forces. Welch Road drain 90% complete. Mt. St. Michael Road next in line for this Fall.

Maber Flats Storm Water Equalization Willoway culverts installed, trail improvements before end of October.

Building Canada Fund – Grant Application – East Saanich Road Project A Building Canada Fund (Federal, Provincial, Municipal) Grant Application for the East Saanich Road (Prosser to Island View) improvement project has been submitted. Ron Grant of UMA assisted the District in preparing the submission.

SCADA - Upgrades to the Hagan and Brentwood pumps of the waste water collection system have been completed, as well as the implementation of the SCADA system to five of the Water PRV stations. Operations Staff report that the monitoring of those facilities is greatly improved. Additional upgrades will be required in 2008/2009 to maintain compatibility with the CRD system.

Sewer System Modifications

- Root repairs – ongoing
- Levelton Engineering completed the condition evaluation on the section of ageing asbestos cement forcemain from the Brentwood lift station. Approximately 400m of forcemain along Sluggett Rd scheduled for replacement in 2008 has been postponed, to be re-evaluated in 2012 in conjunction with an adjoining forcemain from the Hagan lift station.

- \$187,000 previously allocated to the replacement of the Brentwood forcemain for 2008 has been reduced to \$120,000 for routine maintenance and modifications.

Senanus Water Main Project

Continuance of the project is postponed pending the amendment of the Regional Context Statement in regards to the extension of services outside of the Residential Settlement Area.

Brentwood Bay Water Study

Testing and analysis of the Brentwood Bay area water has been completed. Staff are evaluating the findings and options proposed in the Consultants report.

Dock Maintenance

Maintenance and Inspection of the two dock facilities continues to be conducted by Advanced Contract Services. The re-decking of the Brentwood Bay Float has been completed as well as the Winter storm damage to the concrete float at the Saanichton Facility. Formal structural evaluations of both facilities anticipated in 2008 had been postponed until 2009.

Rezoning and Subdivision Applications

Engineering and Public Works Department continue to review the Subdivision, Rezoning and Development Permit applications referred by the Planning Department.

2008 Capital Budget

The following projects have been submitted for Council's consideration/approval:

- BC Hydro Undergrounding – Brentwood Revite Traffic Corridor
- Implementation of Truck Route Signage - \$15,000
- Traffic Signals Updates \$7,200
- Stormwater, Water Distribution and Sanitary Sewer Collection Infrastructure Renewal Study (PSAB requirement \$30,000)

- East Saanich Road Bicycle Lane – 8425 East Saanich Road to North Saanich Boundary – subject to receiving grant funding
- West Saanich Road/Benvenuto Avenue intersection improvement
- Design, supply and installation of drainage culverts – Willoway
- Malcolm Trail crossings replacement
- Public Works Yard roofing
- Sewer Collection System improvements
- Water supply system – SCADA hardware installation, software upgrades

PUBLIC WORKS

Vehicle Equipment Maintenance

- ❖ Police – regular servicing of the fleet and preventative maintenance.
- ❖ Fire – provincial inspection, preventative maintenance and regular servicing of all fire equipment.
- ❖ Roads/Drains – regular servicing, preventative maintenance and provincial inspections.
- ❖ Parks - regular servicing and preventative maintenance of vehicles.
- ❖ Water/Sewer – regular servicing and preventative maintenance of vehicles.
- ❖ Engineering/Inspections- regular servicing and preventative maintenance.

Water and Sewer Maintenance

- ❖ Maintained the entire water distribution system in the District.
- ❖ Maintained the entire sanitary sewer collection system.
- ❖ Annual water meter replacement / check valve installation program is still underway.

- ❖ All fire hydrants have received their “A” service and growth was cleared from around all fire hydrants.
- ❖ CRD is experiencing difficulty filling Dawson Reservoir during hot weather and a contingency plan has been discussed.
- ❖ Asbestos/cement water mains continue to be a problem as the residential saddles are deteriorating and mains are breaking.
- ❖ The second of tri-annual water meter reading was completed after which, public and private water leaks were repaired, stopped meters were replaced, brushing around meter boxes took place and damaged boxes were replaced.
- ❖ Vandalism continues to be a problem as our kiosks; generators and pump stations are frequently being “tagged”.
- ❖ Over \$27,000 in components has been ordered to replace aging parts in the Brentwood sanitary pump station and a new pump has been ordered for the Mount Newton sanitary pump station.
- ❖ A portion of the sanitary sewer main which is under the tide line in Brentwood Bay (from Norman Lane to Devonshire) has been flushed and video taped.
- ❖ The Sanitary Sewer Root Removal Program is ongoing and the removal of certain problem trees is in the process.
- ❖ The annual video inspection of the sanitary sewer mains is underway.
- ❖ Randy Benn is retiring after 35 years of service and the entire Public Works Section wishes Randy a long and happy retirement.

Roads and Drain Maintenance

- ❖ Inspected all road surfaces to plan the paving for the year.
- ❖ 335 hours paving and patching potholes.

- ❖ Centre line painted was completed by contract and stop bars, cross walks, arrows and curbs were painted by R/D staff.
- ❖ Sidewalk inspection was completed and 340 hours of sidewalk repair was completed.
- ❖ Installed 60 meters of curb and gutter to tie in the bus stop at Mt. Newton and East Saanich.
- ❖ Completed 100 hours of tree work and sight line clearing.
- ❖ The annual traffic island maintenance (80 islands) was completed in 150 hours.
- ❖ 500 hours of roadside ditch cutting was completed.
- ❖ Performed sign repairs to fix vandalized signs and installed new signs for 24 hours.
- ❖ Installed bus stop improvements at: Central Saanich south of Styan, 1144 Verdier, Verdier at Brentview, Mt. Newton east of East Saanich, East Saanich north of Mt. Newton and East Saanich south of Mt. Newton.
- ❖ The chip seal program took 900 hours and 26,280 m² were treated. The following roads were treated: Old West Saanich, Verling, Hilltop, Bryce Lane, Livesay, Campion, Spooner, Dawson, Tanner east of 17, Old East, Dooley from Old East to Lochside and Central Saanich from East Saanich to Ridgedown.
- ❖ 1500 lane meters of crack sealing was completed.
- ❖ Responded to requests for service on a daily basis.
- ❖ 8500 m² of grinding and paving work was completed by contract. Improvements were made on the following roads: Keating, Veyaness, Mt. Newton, Tanner and Wallace.
- ❖ Routine turf management within our community and neighbourhood parks.
- ❖ Monthly playground inspections completed.
- ❖ Trail brushing and cutting of pathways is ongoing.
- ❖ Flail mowing of Passive Park open space and municipal properties.
- ❖ Turf Management – deep tine aerated Centennial and Alexander fields and aerated Pioneer, Rom Knott, Rodolph, Saanichton Green and Verdier Parks.
- ❖ Performed projects in the Invasive Plant Removal Program within Oak Haven, Adam Kerr and Sandhill Parks.
- ❖ Dedication Bench installed at Pioneer Park.
- ❖ Responded to ongoing vandalism within the Parks system.
- ❖ Power washed the three shelters and painted the exterior of the field house at Centennial Park.
- ❖ Painted the dugouts at Rom Knott and parts of the exterior building.
- ❖ Replaced signs in the neighbourhood parks.
- ❖ Horticultural maintenance and summer pruning of shrubs and trees has been completed.
- ❖ Irrigation maintenance and repairs are ongoing.
- ❖ Ongoing watering of over 900 native shrubs and trees at Centennial, Adam Kerr and other neighbourhood parks.
- ❖ Assisted numerous user groups and assisted in Central Saanich Days and Cinema Under the Stars events held in Centennial Park.

Parks Maintenance

- ❖ Performed routine Parks tasks such as litter collection and graffiti removal.

Workplace Safety and Risk Management

In order to comply with Work Safe BC 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.

Maintained storage of safety and first aid supplies and developed safe work procedures for Working Alone or in Isolation and Pre-Excavation Requirements.

- ❖ Ensured the completion of quarterly inspections:
 - i. First Aid Kits
 - ii. Eye wash stations
 - iii. Emergency Lights
- ❖ Provided training/clinics for the following issues: Safe Driving Awareness-Impairment and Fatigue, underground gas utilities, dealing with drug and alcohol abuse and Air Brake Refresher course.
- ❖ Established the location and training for the Yard Automated External Defibrillator (AED).
- ❖ Designated an approved smoking area and reaffirmed the remainder of the Yard is a non-smoking workplace in accordance with WorkSafeBC and VIHA Environmental Tobacco Smoke Regulations.
- ❖ Replaced overalls with WorkSafeBC compliant 4" reflective striping style.
- ❖ As of August 31, 2008 we have worked 181 working days without a significant lost time accident.

Public Services

- ❖ Processed 11 light maintenance requests.
- ❖ Established the Street Smart Training course: obtaining the training manual, distributing training awareness pamphlets and registering for the Fleet Smart 101 training course.

- ❖ Ensured that the road salt inventory would be at maximum capacity.

Vehicles, Equipment and Supplementary

Description	Budget	Actual Cost	Status
Carry forward for vehicle #413	24,487	28,160.00	Rec'd Feb/08
Credit for PTO Metro Motors, #413	0	-1,833.30	Rec'd Jul/08
Replace vehicle #303 with new #313	70,000	30,433.66	ETA Sep 11/08
Service Body for #313 (quote)	0	37,393.58	ETA Nov 30/08
Replace vehicle #205 with new #215	55,000	29,363.66	ETA Sep 11/08
Service Body for #215 (quote)	0	30,188.26	ETA Nov 30/08
New vehicle #216	50,000	34,234.30	ETA Sep 18/08
EZ dump box, #216 (quote)	0	4,108.80	ETA Oct 30/08
Sander for vehicle #216 (quote)	0	6,528.66	ETA Oct 30/08
Snow plow for vehicle #216 (quote)	0	4,221.81	ETA Oct 30/08
Freight for sander and plow (est.)		1,000.00	n/a
Replace vehicle #203 with new #213	35,000	41,998.83	Rec'd Aug/08
Replace vehicle #250 with new #270	25,000	14,760.65	Rec'd Aug/08
New #511, transfer vehicle #501 to Community Services to be used as a minimum maintenance vehicle	25,000	22,072.68	Rec'd Jun/08
TOTAL	\$284,487.00	\$282,631.59	

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October, 2008