



Corporate NO: R022

Report COUNCIL DATE: February 4, 2002

REGULAR COUNCIL

TO: **Mayor & Council** DATE: **January 29, 2002**

FROM: **General Manager, Engineering** FILE: **2141-001**

SUBJECT: **Status Report on 2001 Roads, Drainage, Water, and Sewer Capital Construction**

RECOMMENDATION

For information.

INTENT

To provide Council with a status report on the 2001 Capital Construction Program for water, sewer, roads and drainage.

BACKGROUND

The 2001 Construction Program is now substantially complete and this report provides a brief overview of what has been constructed and overall assessment of how this construction went.

2001 Capital Program Highlights

Earlier last year we provided Council with a copy of the full 2001 Capital Construction Booklet, which outlined all the capital works for this year. This overall Capital Program for 2001 was funded as follows:

<i>General Revenue</i>	<i>GVTA *</i>	<i>DCC's</i>	<i>ICBC & Other</i>	<i>Total</i>
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Roads	\$4.7 m	\$ 4.0 m	\$ 11.9 m	\$ 0.5 m	\$ 21.1 m
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* Includes Minor Capital and pavement rehabilitation funding.

	<i>Utility Funding</i>	<i>DCC's</i>	<i>Local Improvement Funding</i>	<i>Total</i>
Water *	3.7 m	1.8 m	2.2 m	\$ 7.7 m
Sewer	2.6 m	2.0 m	0.3 m	\$ 4.9 m
Drainage	14.8 m	4.3 m	0	\$ 19.1 m

2001 Total Capital Budget for Road, Water, Sewer & Drainage \$ 52.8 m

* Excluding funding for the Water Metering Program currently awaiting approval under the Federal/Provincial Infrastructure Program.

The Capital Program is focused to meet the corporate strategic priorities set by Council, meet the needs of the growing residential, commercial and industrial development, as well as to meet the existing ongoing needs to provide a continuing high level of basic sewer, water, drainage and roads services for the residents and businesses of Surrey.

The following tables give some of the key highlights of the Capital Program.

Highlights of Roads Program

<i>Location</i>	<i>Description</i>	<i>Cost (\$ millions)</i>
152 Street: Fraser Hwy. – 99 Avenue	Addition of landscaped medians and roadway repaving.	\$1.3
Scott Road: 98 Avenue – 101 Avenue	Phase Two of Scott Road upgrading, including new traffic signal at 99 Avenue, storm sewer installation and improvements to railway crossing.	\$3.8
32 Avenue: 152 Street – 160 Street	Interim arterial widening, including shoulder widening, centre left-turn lane and ultimate sidewalk on north side.	\$2.1
124 Street: 72 Avenue – 76 Avenue	Ultimate collector widening.	\$0.6
Various Locations	Program of arterial road repaving to provide long-term / least cost approach for road system.	\$1.3
Various Locations	Program of minor and collector road repaving to provide long-term / least cost approach for road system, bus stop improvements, upgrading of school drop-off/pick-up bays and sidewalks at various locations.	\$2.4
Various locations	Pathway construction for the Serpentine Greenway system, 4 new traffic signals, 4 new pedestrian signals and sidewalks at various locations.	\$2.2

Highlights of Water Program

<i>Location</i>	<i>Description</i>	<i>Cost (\$ millions)</i>
Various	PRV stations to better regulate and manage pressure zones.	\$1.4
Various	New and replacement water mains to meet needs of growth and existing developments.	\$2.5
Various	Residential meter installations, large meter testing and replacement.	\$0.2

Highlights of Sewer Program

<i>Location</i>	<i>Description</i>	<i>Cost (\$ millions)</i>
Rosemary Heights	Completing pressure sewer on Crescent Road	\$0.5
Greenway Area	New lift station in coordination with Land Developers for new growth.	\$0.7
Various	Relief sewers to bypass existing over-capacity sections.	\$1.0
Various	Local improvement sanitary sewer installations to address failing sewage disposal systems.	\$0.5
Various	Inflow and infiltration reduction through sanitary sewer rehabilitation.	\$0.4

Highlights of Drainage Program (Including Flood Control Program)

<i>Location</i>	<i>Description</i>	<i>Cost (\$ millions)</i>
Surrey Lake 76 Avenue and 152 Street	A 10-acre lake for flood control, environmental enhancement and recreation.	\$1.9
Fry's Lower North Pump Station	2.0 m ³ /s fish-friendly sewer pump at 176 Street and Fraser Highway.	\$1.7
Guildford Detention Pond	Detention facility done in conjunction with Parks to service the Guildford area and provide recreational opportunities.	\$1.4
Bolivar Diversion	To facilitate City Centre development and protect Bolivar Creek (Phase I of III).	\$1.1
Fleetwood and North Cloverdale Dyke Upgrades	To protect the central Serpentine lowlands from upland storm water run-off. The dykes are being improved.	\$1.3
East Newton Pump Station	1.5 m ³ /s pump at 68 Avenue to service residential and industrial land in East Newton South NCP.	\$1.4
Scott Road Diversion	Storm sewer done in conjunction with road works to protect Scott Creek.	\$1.2
Various Projects	Upgrade and improvements to existing storm sewer, culverts, ditches and other drainage facilities.	\$1.0
Peacock Brook Diversion	Storm sewer to reduce erosion from existing and future development.	\$0.8
Archibald Detention Pond	To control storm water runoff leading into Hyland Creek for erosion protection.	\$0.8
Upper Serpentine Dyke Tie-In	To protect Serpentine lowlands from upland storm water runoff. The dykes are being improved.	\$0.6
Dingwall Creek Diversion	Storm sewer to reduce erosion from existing and future development.	\$0.5
Bear Creek Dykes	To protect lowlands from storm water runoff from the Bear Creek catchment.	\$0.4
Surrey's Creeks and Streams	SHaRP program of habitat restoration in Surrey's creeks plus environmental education and mapping work.	\$0.3

Summary Comments

The works outlined in the previous tables have been constructed to meet the needs of a growing City of Surrey and to meet strategic objectives established by Council. These works will help ensure that the residents of Surrey receive a high level of service from the City's utilities, are able to travel on a safe and adequate road system, and that the City's farm land will have a higher level of flood protection.

All the original capital plan has been completed within the overall budget provided by Council. Additional scope was added to a number of contracts to take advantage of having additional work constructed taking advantage of lowest tendered rates while the contractor was mobilized and working in a particular area. All such scope additions were added in accordance with established City operational procedures.

In early spring a number of official ceremonies at some of the facilities will be organized to give the Mayor and Council an opportunity to formally open these to the public.

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