

ITEM	11
MANAGER'S REPORT NO.	17
COUNCIL MEETING	1980 03 03

RE: 1979 AND 1980 TRAFFIC MANAGEMENT SECTION OF THE CAPITAL BUDGET

The following report from the Municipal Engineer contains information that was requested by Council at a budget meeting on 1980 January 03.

RECOMMENDATION:

1. THAT the report of the Municipal Engineer be received for information purposes.

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TO: MUNICIPAL MANAGER 80 02 27
FROM: MUNICIPAL ENGINEER
SUBJECT: 1979 AND 1980 TRAFFIC MANAGEMENT SECTION OF THE
CAPITAL BUDGET

RECOMMENDATION:

1. THAT this report be received for information purposes.

REPORT

At its Budget Meeting of 80 01 03 the Council asked that the Engineer do the following:

1. Prepare a list of projects for the \$100,000 allocation in the Traffic Management section of the Capital Budget.
 2. Prepare a list of projects for the proposed \$500,000 allocation in the Traffic Management section of the Capital Budget.
 3. Prepare a status report on the Burris/Canada Way intersection changes.
 4. Submit a list showing the commitment of 1979 Traffic Management Capital funds.
- 1&2 Attached to this report is the list for the \$100,000 allocation and the \$500,000 allocation as submitted by the Engineer in his 1980 Annual Capital Budget.

(cont'd)

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3. With regard to the Burriss/Canada Way intersection, the District Ministry of Highways office informs the Engineering Department that this project is to be included in their 1980 Budget submission. If this item receives budget approval, the work will proceed in the Summer of 1980.

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The Engineering Department has reviewed the design and has requested some changes. The original design for improvements to Canada Way at Burriss Street sent to us by the Ministry of Highways showed Canada Way being widened to provide two through lanes in each direction plus a separate left turn lane for east and westbound Canada Way traffic. In addition to the above, an eastbound right turn lane was provided on Canada Way to accommodate right turns onto Burriss Street. This was provided because of a previous Burnaby commitment to accommodate the right turns now prevented into the Sperling/Buckingham route. The total cost of this project was estimated at approximately \$700,000. About one-half of the cost was to have been assessed to Burnaby for the additional cost of land acquisition and construction of bus bays and the right turn lane, which the Ministry of Highways felt were not part of their responsibility but rather were a Municipal type of requirement.

Because of the high costs involved, we reevaluated the need for the right turn lane with its attendant expensive right-of-way requirements. We found that from a cost-benefit approach, the right turn lane could not be justified. This left us with the eastbound Canada Way bus pull off bay as the one remaining Municipal lane acquisition commitment; in a further reevaluation of this item, we were of the opinion that Ministry of Highways design that required land acquisition and curb, sidewalk and utility relocation on the south side of Canada Way could be redesigned to retain the existing curb, i.e. retain the straight alignment of the existing eastbound lanes and swinging the westbound lanes to accommodate the left turn lanes. We also investigated on-site the turning movements within the intersection and determined the westbound left turn storage could be significantly reduced, saving further land acquisition and construction costs.

The end result of these critical project reviews is a total cost of approximately \$300,000. We are pleased to have been able to have effected a saving of approximately \$400,000 on this one project.

4. The list of committed funds from the 1978 and 1979 budget allocation is attached. The status of each project is shown by the remarks shown alongside each item.


MUNICIPAL ENGINEER

EEO/VMT/HB/ch

ANNUAL BUDGET

THE CORPORATION OF THE DISTRICT OF BURNABY

COD

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ANNUAL BUDGET
Detail Page

Account	15	Roads
Sub-Account	08	Traffic Management
Object		

<u>Details</u>	<u>Departmental Budget</u>	<u>Manager's Comments</u>
PROVISIONAL BUDGET AS APPROVED	\$	
ADD:		
Unspecified Traffic Management Projects.		
Left turn channelization, traffic signals, coordinated signalization of major arterials, widening intersection approaches to improve capacities.		
Traffic Signal - Canada Way & Wayburne		
Traffic Signal - Curtis & Kensington		
Traffic Signal - Byrne & Marine		
Loop detectors for traffic count stations.		
Fire signal revisions Canada & Sperling		
Interface reader for Wang computer (traffic tapes)		
Unspecified minor sundry projects	100,000	
Consultant to study traffic management for (Municipal Share 50%):		
REMOVE Hastings - Boundary to Sperling		
Lougheed - Boundary to North Road		
Kingsway - Boundary to 10th Avenue.		
Municipal Share Burriss & Canada Way.		
Widen Royal Oak, Gilpin - South		
Municipal Share Signal Beta & Lougheed		
Municipal Share Signal Progression - Hastings		
Municipal Share Signal Progression - Lougheed		
Municipal Share Signal Progression - Kingsway		
Intersection improvements Holdom/Parker (includes signal and widenings).		
Boundary at Adanac Median revision (Burnaby/Van.)		
Minor unspecified projects	500,000	
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Traffic Management

1978 Works in Progress:

WO 52-040	Fire signal - Brighton Avenue and Lougheed Highway ✓ M.O.H. TO SUPPLY PRE+EMP.	\$	2,455
WO 62-054	Traffic control device - Canada Way and Deer Lake Place WARRANT REVIEW		4,859
WO 18-537	Construct traffic island - North Road at Rochester Street OPPOSITION/COQUITLAM		2,900
WO 19-228 ✓	Traffic signs - 6187 Kingsway COMPLETED		180
WO 22-206	Intersection improvements - Royal Oak Avenue, Kingsway south IN PROGRESS		35,000
WO 62-090	Traffic signal revision - Sardis Street at Willingdon Avenue COMPLETED		4,994
WO 18-248	Install signs and barricade - Laurel Street - S.D. 21/78 COMPLETED		645
	Kingsway signal improvement upgrading and pedestrian signals IN PROGRESS		63,840
	Canada Way, Willingdon Avenue to Gilmore Diversion (widening and left turn storage lanes) IN PROGRESS		174,000
	Kingsway and Edmonds Street - intersection improvements TABLED.		10,000
			<u>298,873</u>

Suggested 1979 Program:

	Improvement to existing left turn channelization - 19th Street diversion and 14th Avenue - municipal share HELD IN ABEYANCE OTHER AUTHORITIES		5,500
	Replace signal controller - Moscrop Street and Willingdon Avenue IN PROGRESS		6,000
	Replace signal controller - Royal Oak Avenue and Rumble Street IN PROGRESS		5,000
	Loop detectors for traffic count stations - various locations IN PROGRESS		2,000
	New traffic signals (3 on Curtis Street/Parker Street) REVIEW-TRANSPORTATION STUDY		60,000
	Traffic signal - North Road and Broadway - municipal share COMPLETED		10,000
	Unspecified minor projects and traffic signals IN PROGRESS		20,000
			<u>108,500</u>
			<u>\$ 407,373</u>

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