

REPORT
1996 JUNE 17

CITY OF BURNABY

TRAFFIC AND TRANSPORTATION COMMITTEE
(TRAFFIC SAFETY DIVISION)

*HIS WORSHIP, THE MAYOR
AND COUNCILLORS*

B. TRAFFIC CONTROL AND THE FRANCES/ UNION BICYCLE ROUTE

RECOMMENDATION:

1. **THAT** Council endorse the traffic control strategy outlined in this report for implementation in conjunction with the Frances/Union Bicycle Route.

REPORT

The Traffic and Transportation Committee (Traffic Safety Division), at its meeting held on 1996 May 07, adopted the attached staff report proposing a stop sign control scheme to be implemented in conjunction with the Frances/Union bicycle route.

MEMBERS:

Mr. N. Smith
Mr. M. Bloomfield
Mrs. M. Canessa
Mr. E. Fourchalk
Ms. L. Kapp
Mrs. D. Mumford
Mr. D. Ramsbotham
Mr. D. Richardson
Mr. A. MacDonald

Respectfully submitted,

Councillor J. Young
Chairman

Councillor D. Evans
Member

<p>: COPY - CITY MANAGER - DIRECTOR ENGINEERING - DIR. PLNG. & BLDG.</p>
--

City of Burnaby

INTER-OFFICE COMMUNICATION

TO: TRAFFIC SAFETY COMMITTEE **DATE:** 1996 04 29

FROM: ASST. DIRECTOR ENGINEERING,
TRAFFIC & ENGINEERING SYSTEMS **FILE:**

SUBJECT: TRAFFIC CONTROL AND THE FRANCES UNION BICYCLE ROUTE

PURPOSE: To outline the traffic control strategy that is to be implemented in conjunction with the Frances Union Bike Route.

RECOMMENDATION:

1. THAT the Committee endorse the traffic control strategy outlined in this report for implementation in conjunction with the Frances Union Bicycle Route.

REPORT

BACKGROUND

The Frances Union Bike Route has been approved by Council and will be implemented with funding support from the provincial government. The route provides an east west linkage across north Burnaby. At its western end it ties into Vancouver's very successful Adanac Bike Route and at its eastern end, it provides access to the Barnet Highway which has been designed to accommodate cycling and SFU which is a major destination for bicycle traffic.

DESIGN APPROACH

The design has been developed by the Bicycle Advisory Committee and was refined at an experts workshop prior to public consultation. Further modification has been made as a result of the public consultation process and the implementation approach will allow for some fine tuning of details. A key design objective is to allow safe relatively unimpeded passage for bicycles while maintaining and enhancing the residential street livability for residents. New Bicycle/Pedestrian activated signals are to be implemented at Willingdon/Frances and Kensington/Union. The existing signals at Boundary/Adanac, and Union/Sperling will be modified to accommodate the Bike Route. To deter automobile through traffic, left turn restrictions are proposed at Gilmore/Frances, Beta/Frances, Kensington/Union and Duthie/Union. These restrictions will be accomplished through use of delta islands and median refuges that allow for passage by bicycles.

STOP SIGN CONTROL

To accommodate the bike route, new stop signs will be installed along the route including some stop sign control reversals. In addition, a complementary alternating stop sign control scheme has been developed for the area bounded by Hastings Street, Parker Street, Boundary Road, and Willingdon Avenue. It is felt that these applications in conjunction with existing stop signs will reduce the potential for non-residential traffic accessing the bicycle route West of Willingdon Avenue and mitigate any impact of diverted traffic. The complete list of stop sign installations is detailed below.

Accident occurrences indicated are for the past three years (1993 - 1995) are also listed.

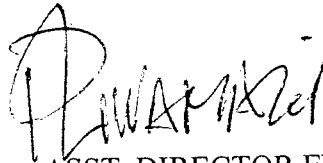
NEW STOP SIGN INSTALLATIONS			
LOCATION:	STOP ON:	#ACCIDS	#RIGHT ANGLE:
Esmond Frances	Frances	12	9
Esmond Georgia	Esmond	3	3
Esmond Venables	Venables	0	0
Ingleton Frances (r)	Ingleton	0	0
Ingleton Georgia (r)	Georgia	5	5
Ingleton Venables	Ingleton	1	1
MacDonald Frances (r)	MacDonald	3	3
MacDonald Georgia	MacDonald	1	1
MacDonald Venables	Venables	2	2
Carleton Frances (r)	Carleton	9	9
Carleton Georgia	Georgia	4	4
Carleton Venables	Venables	1	1
Rosser Venables	Venables	5	5
Brooklyn Union (r)	Brooklyn	0	0
Duncan Union (r)	Duncan	0	0
Cavin Union (r)	Calvin	0	0

STOP SIGN CONVERSIONS				
LOCATION:	EXISTING STOP:	NEW STOP:	#ACCIDS:	#RIGHT ANGLE:
Ingleton Union (r)	Ingleton	4 Way	0	0
Rosser Pender	Rosser	4 Way	15	14
Rosser Frances (r)	Frances	Rosser	2	2
Delta Frances (r)*	Frances	4 Way	1	1
Springer Frances (r)	Frances	4 Way	0	0
Ellesmere Frances (r)	Frances	Ellesmere	0	0

* To be reviewed at a future date for possible conversion to a 2 way stop configuration.

(r) Intersection on bicycle route.

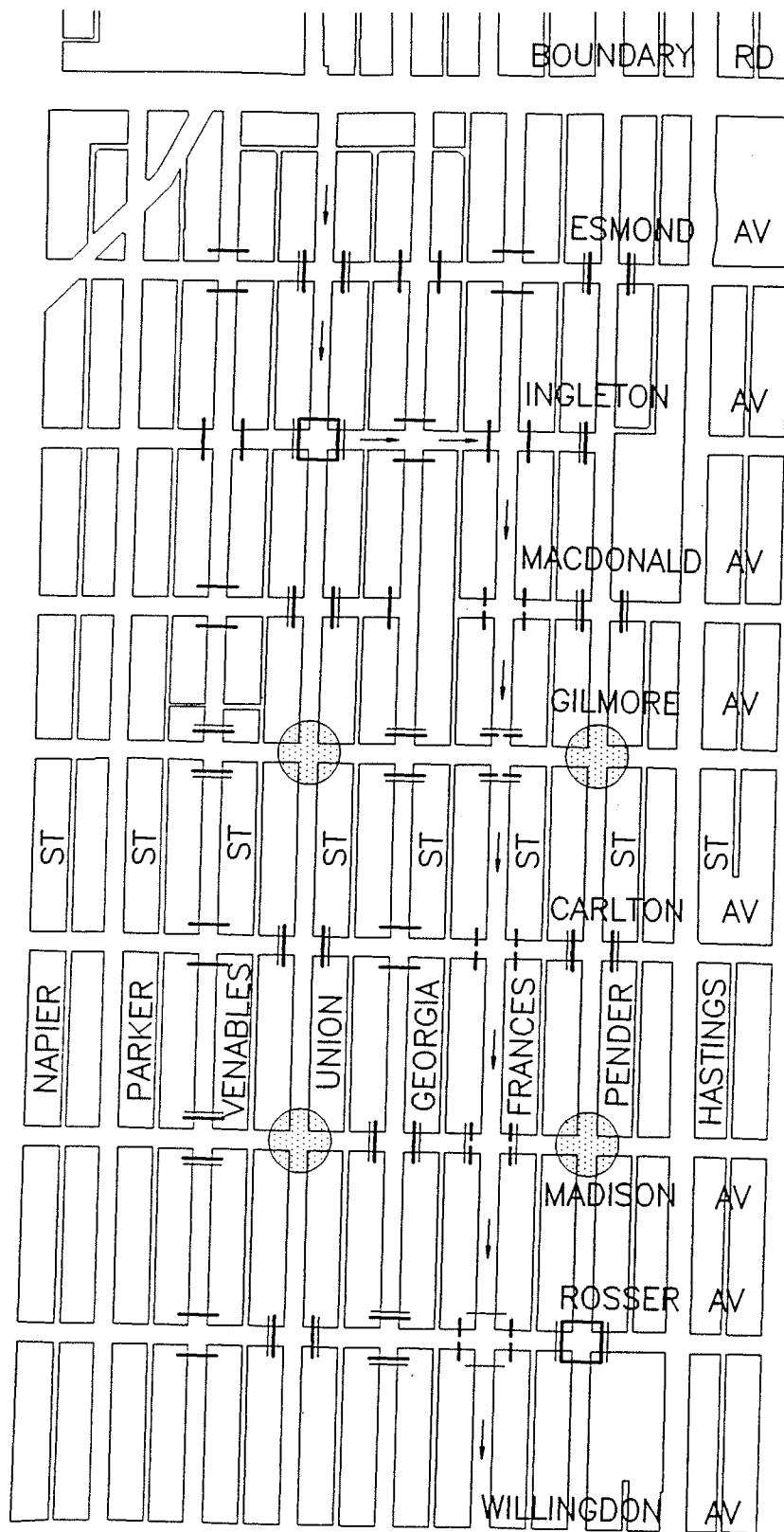
The approval of this stop control strategy is required at this time in order to meet the logistical requirements of the Bike Route's implementation.









ASST. DIRECTOR ENGINEERING,
TRAFFIC & ENG. SYSTEMS

AE:nh
Enclosure

cc: City Manager



LEGEND

-  EXISTING 4-WAY
-  PROPOSED 4-WAY STOP
-  EXISTING STOP
-  PROPOSED STOP
-  PROPOSED STOP (ON ROUTE)
-  ROUTE MARKER

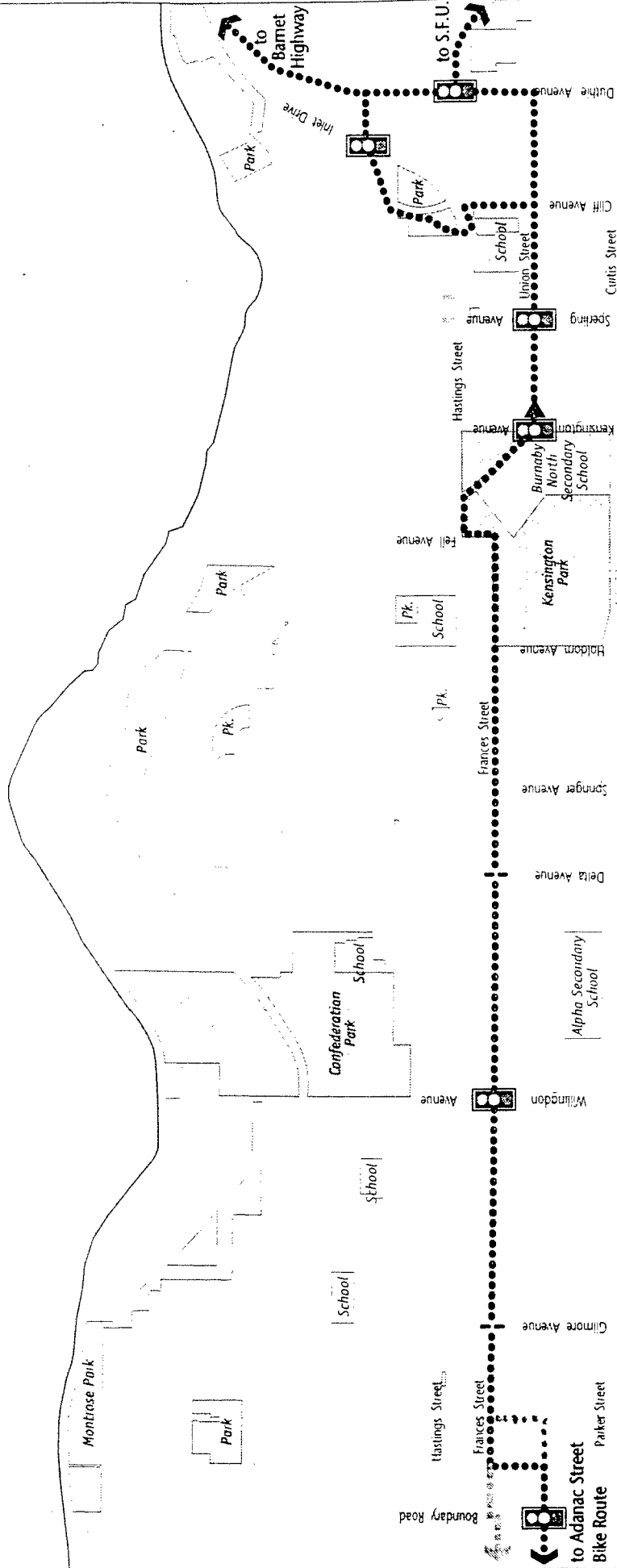
17

NO.	DATE	REVISION



STOP SIGN CONTROL SCHEME FOR FRANCES-UNION BIKE ROUTE

DRAWN BY: J. KO	SCALE: N.T.S.	A 388
APPRV'D BY:	DATE: 96-04-26	



Frances - Union Bike Route

Key

- proposed route
- route option
- traffic signal (existing/proposed)
- == raised median (bike refuge)
- delta island



Planning and Building Department
1996 03 25





City of
Burnaby

4949 Canada Way, Burnaby, B. C. V5G 1M2
Planning and Building Department

Telephone: (604) 294-7400
Fax: (604) 294-7220

1996 MARCH 25

INVITATION TO FRANCES-UNION BIKE ROUTE OPEN HOUSES

The City of Burnaby, with cost-sharing from the Provincial Cycle Network Program, is planning to establish an on-street bike route in north Burnaby this summer. The **FRANCES-UNION BIKE ROUTE** will connect Vancouver's Adanac Bike Route at Boundary Road, to Simon Fraser University and the Barnet Highway (see map on reverse).

The route will primarily follow Frances Street and Union Street and will include improvements to minimize through traffic and to increase the safety and convenience for commuter cyclists.

Two Open Houses will be held to discuss plans for the bike route:

Tuesday, April 2, 1996

6:30-8:30 p.m.

**Confederation Centre
4585 Albert St.**

Wednesday, April 3, 1996

6:30-8:30 p.m.

**Westridge Elementary School
510 Duncan Avenue**

A brief presentation will be held at 7:00 p.m. each evening. City staff and members of Burnaby's Bicycle Advisory Committee will be on hand to answer questions. **Please plan to attend so we may hear your comments.**

Your written comments may be mailed or faxed to the Planning Department at the address listed above.

For further information, please call Tina Atva in the Planning Department at 294-7414.

The City of Burnaby is committed to encouraging cycling as a practical and healthy alternate mode of transportation.

