

REPORT
1997 December 15

CITY OF BURNABY

TRAFFIC AND TRANSPORTATION COMMITTEE
(TRAFFIC SAFETY DIVISION)

HIS WORSHIP, THE MAYOR
AND COUNCILLORS

A. WALKER AVENUE, BURRIS STREET TO STANLEY STREET - TRAFFIC
MANAGEMENT

RECOMMENDATIONS:

1. *THAT* Council support the Walker Street residents in pursuing completion of Walker Avenue from Stanley Street to Burris Street through the Local Improvement Program which could incorporate traffic calming measures such as the gateway "chokers" discussed in the attached report.
2. *THAT* a copy of this report be sent to the Walker Street resident(s) representing the petitioners.

REPORT

The Traffic and Transportation Committee (Traffic Safety Division), at its meeting held on 1997 November 04, adopted the attached report responding to residents' concerns regarding the volume of traffic and traffic safety on Walker Avenue.

MEMBERS:

Mr. D. Berardine
Mrs. M. Canessa
Mr. K. Friederici
Mr. E. Fourchalk
Ms. L. Kapp
Mrs. R. Oostlander
Mr. D. MacDonald
Mrs. D. Mumford
Mr. D. Richardson
Mr. B. Robinson

Respectfully submitted,

Councillor J. Young
Chairman

Councillor D. Evans
Member

Councillor N. Volkow
Member

: COPY - CITY MANAGER
- DIRECTOR ENGINEERING
- DIR. PLNG. & BLDG.

City of Burnaby

INTER-OFFICE COMMUNICATION

TO: TRAFFIC SAFETY COMMITTEE **DATE:** 1997 10 23
FROM: ASST. DIRECTOR ENGINEERING,
TRAFFIC & ENGINEERING SYSTEMS **FILE:** 55-01-04
SUBJECT: WALKER AVENUE, BURRIS STREET TO STANLEY STREET -
TRAFFIC MANAGEMENT

PURPOSE: To respond to residents' concerns regarding the volume of traffic and traffic safety on Walker Avenue.

RECOMMENDATIONS:

1. THAT residents pursue completion of Walker Avenue from Stanley Street to Burris Street through the Local Improvement Program which could incorporate traffic calming measures such as the gateway "chokers" discussed in this report.
2. THAT a copy of this report be sent to the Walker Street resident(s) representing the petitioners.

REPORT

Walker Avenue from Burris Street to Imperial Street is classified as a Local Collector in the Burnaby Transportation Plan. Standard configuration of this road in the plan is two travel lanes and two parking lanes. The intersection of Walker Avenue and Burris Street is signalized with a four lane cross-section on Burris Street that allows turning traffic to separate out for Walker Avenue southbound.

Traffic counts for Walker Avenue and associated streets in the area are summarized in the table below. The recent count on Walker Avenue included a classification of speed which showed that 85% of vehicles travelled at speeds up to 59.7 km/h. This, perhaps unfortunately, is not atypical of the speed profile on similar Burnaby streets.

*Walker Avenue, Burris to Stanley -
Traffic Volume Management
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Location	Date	Volume
Walker - Burris - Stanley	97/09/16	6,553
	96/03 27	6,734
	91/11/11	5,392
	90/01/18	5,528
	87/11/03	5,147
	86/11/06	4,769
	85/05/02	3,733
Gilley - Imperial - Bryant	84/12/14	2,697
	81/09/24	2,117
	96/06/27	6,701
Sperling - Burris - Stanley	87/11/17	4,395
	83/01/20	1,498
	96/10/08	3,868
	88/07/28	3,641
Walker - Elwell - McBride	86/07/08	4,192
	85/07/18	4,580
Imperial - Griffiths - Halligan	84/07/27	6,515
	96/09/27	3,779
Salisbury - Imperial - Elwell	86/06/17	3,754
	96/02/29	9,281
Oakland - Gilley - Brantford	97/09/17	4,509
	91/06/19	16,763
	87/07/30	8,810
	86/07/22	9,032
Burris - Buckingham - Breamar - Walker - Leibly	85/04/23	4,505
	92/03/31	12,950
	87/02/02	10,189
	84/08/31	8,620

These counts show steady increases in traffic on all roads in the area except Sperling Avenue which shows a decrease in volume. This is likely due to the lack of destinations served by Sperling and the attractiveness of Walker as a efficient link to the growing Edmonds Town Centre area.

Collision data along the Walker corridor are summarized in the table below.

Location	96	95	94	93
Burris/Oakland (S)	8	4	4	5
Stanley	0	3	0	0
Morley	0	0	0	1
Imperial	1	3	3	1
Total	9	10	7	7

The number of accidents are relatively low for comparable streets. We note Walker Avenue is used as a bus route from Imperial to Stanley. Sperleng Avenue is also used as a bus route.

CONCLUSION

Walker Avenue is classified as a Local Collector road. It has shown growth in traffic volumes commensurate with other roads in the area, but current volumes are higher than typically found on local collectors. This is in part due to the lack of more attractive alternative routes.

We believe that traffic conditions on Walker Avenue are exacerbated by the fact that it is an unfinished street. Accordingly, we would recommend completion of the street to urban standard with curbs, gutters, sidewalks, lighting, etc. Additional traffic calming measures such as gateway chokers and a midway chicane as shown on the attached sketch could be incorporated into the design for the LIP.

We note that "retrofitting" traffic calming measures such as those proposed would be relatively expensive and the cost would be wholly borne by residents through a separate LIP. Proceeding with these traffic calming measures concurrently with upgrading the whole street would not significantly add to the LIP cost that would be normally borne by the residents. Traffic calming measures such as speed "thumps" are not recommended since Walker Avenue is an important emergency response route.

Staff will also be reviewing the existing lane configuration at the Burris/Sperleng/Walker/Oakland signal with a view to de-emphasizing the relative attractiveness of Walker Avenue.

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MDS:jb

cc: City Manager


ASST. DIRECTOR ENGINEERING,
TRAFFIC & ENG. SYSTEMS

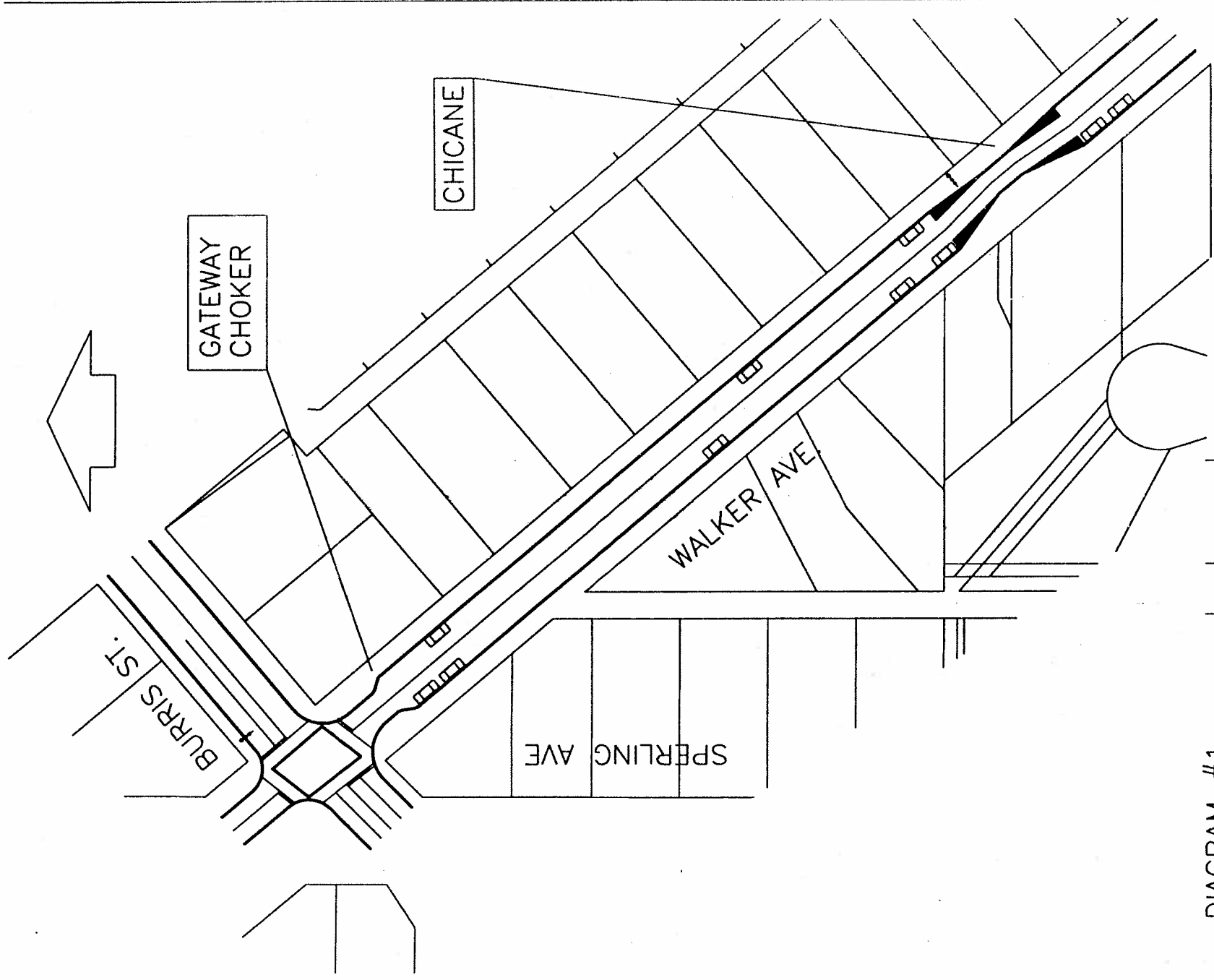


DIAGRAM #1

NO.	DATE	REVISION

WALKER AVENUE
 BURRIS ST - STANLEY ST
 PROPOSED TREATMENT LIP 27



DRAWN BY: G.FUNK SCALE: N.T.S.
 APPR'D BY: CDL DATE: 97-10-27

A 448

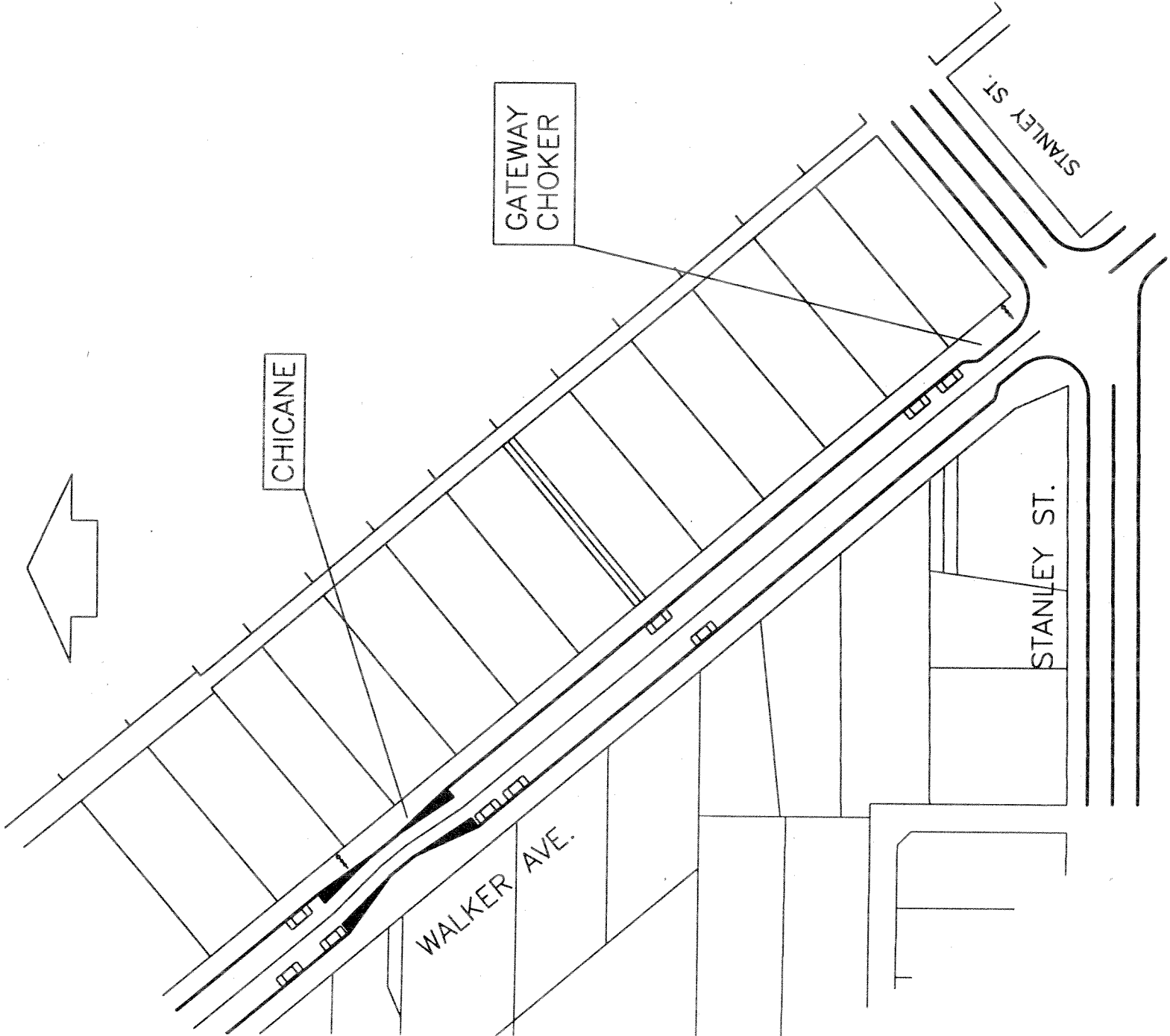


DIAGRAM #2

NO.	DATE	REVISION

WALKER AVENUE BURRIS ST - STANLEY ST PROPOSED TREATMENT LIP	
DRAWN BY: G.FUNK APPR'D BY: CDL	SCALE: N.T.S. DATE: 97-10-27
A 448A	

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City of Burnaby
ENGINEERING DEPARTMENT