

ITEM	14
MANAGER'S REPORT NO.	45
COUNCIL MEETING	June 20/77

Re: KENSINGTON OVERPASS - COUNCIL ENQUIRY  
TURNING FIGURES AND TRAFFIC COUNTS  
DELEGATION - BURNABY CHAMBER OF COMMERCE

Following the appearance of a delegation from the Burnaby Chamber of Commerce at the Council meeting of June 6, 1977, Council raised certain questions concerning turning figures and traffic counts at the Sperling-Broadway, Sperling-Lougheed and Sperling-Winston intersections. In particular, staff was asked if there were more recent figures than the 1974 counts which had been reported to Council.

A very localized count was taken at the Sperling-Winston intersection in June, 1976. However, the thorough study conducted in 1974 has not been repeated.

Following is a report from the Director of Planning which outlines the current information and which presents the turning figures which we have in graphic form. We are presently examining the merits of updating the 1974 figures and the cost of an origin-destination study.

This is for the information of Council.

\* \* \* \* \*

Planning Department  
June 16, 1977  
Our File #08.640 Kensington

TO: MUNICIPAL MANAGER  
FROM: DIRECTOR OF PLANNING  
RE: DELEGATION - BURNABY CHAMBER OF COMMERCE,  
Item 2(c) Council Meeting of June 6, 1977.

Council on June 13, 1977 requested that the Planning Department supply the updated traffic figures quoted by Mr. A. MacDonald, regarding the turning movements in the Sperling/Lougheed area.

The following information has been obtained from Mr. MacDonald's brief dated June 6, 1977, the Council meeting transcript prepared by the Municipal Clerk, dated June 10, 1977, and addressed to the Municipal Manager, and the Planning Department's telephone call to Mr. MacDonald.

"The total traffic on Sperling, South of Winston Street is 18,466 vehicles per day. This was taken in November 1976. The traffic north of Winston before you get to the Lougheed Highway is down to 15,285 per day and that was in June 1976. These figures are close enough together that there is no real difference in them. The Sperling traffic north of Broadway, which is the only figure I have available, is 10,310. . . . . Winston Street east of Sperling has a total of 8,481 vehicles per day."

When asked by staff whether Mr. MacDonald had turning movement figures available, he advised that he had drawn certain conclusions, which were very general in nature, predicated on the two-way traffic count figures which he had available.

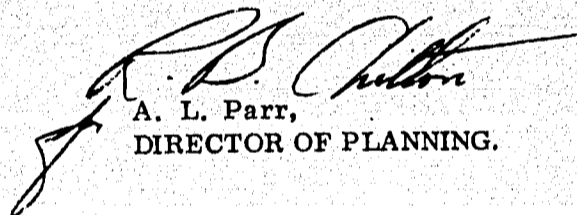
To date, there has been no detailed turning movement survey similar to the license plate study which was performed by the Engineering Department in June 1974 and presented in the Planning Department's report "Kensington and Sperling Alignments - A Comparative Review" on pages 23 to 25 in tables 2, 3 and 4 (attachements #2 and #3).

A very localized manual traffic count taken by the Engineering Department traffic staff at the Winston/Sperling intersection early in June 1976 for the 7 a.m. to 9 a.m., 11 a.m. to 1 p.m., and 4 p.m. to 6 p.m. periods has provided the following summary of turning movements at this intersection (attachment #1).

Compared with the June 1974 figures, the total two-way traffic crossing the Burlington Northern Railway last year in June 1976 had increased by 5.1 %, (i.e. 7,136 compared with 6,791).

The traffic volume which had turned right onto Winston from south of the railway increased by 13.7 % (i.e., 1,301 compared with 1,144), although the percentage increase in those turning was only 1.6 % greater than observed in June 1974 (i.e., 38.0 % compared with 36.4 %).

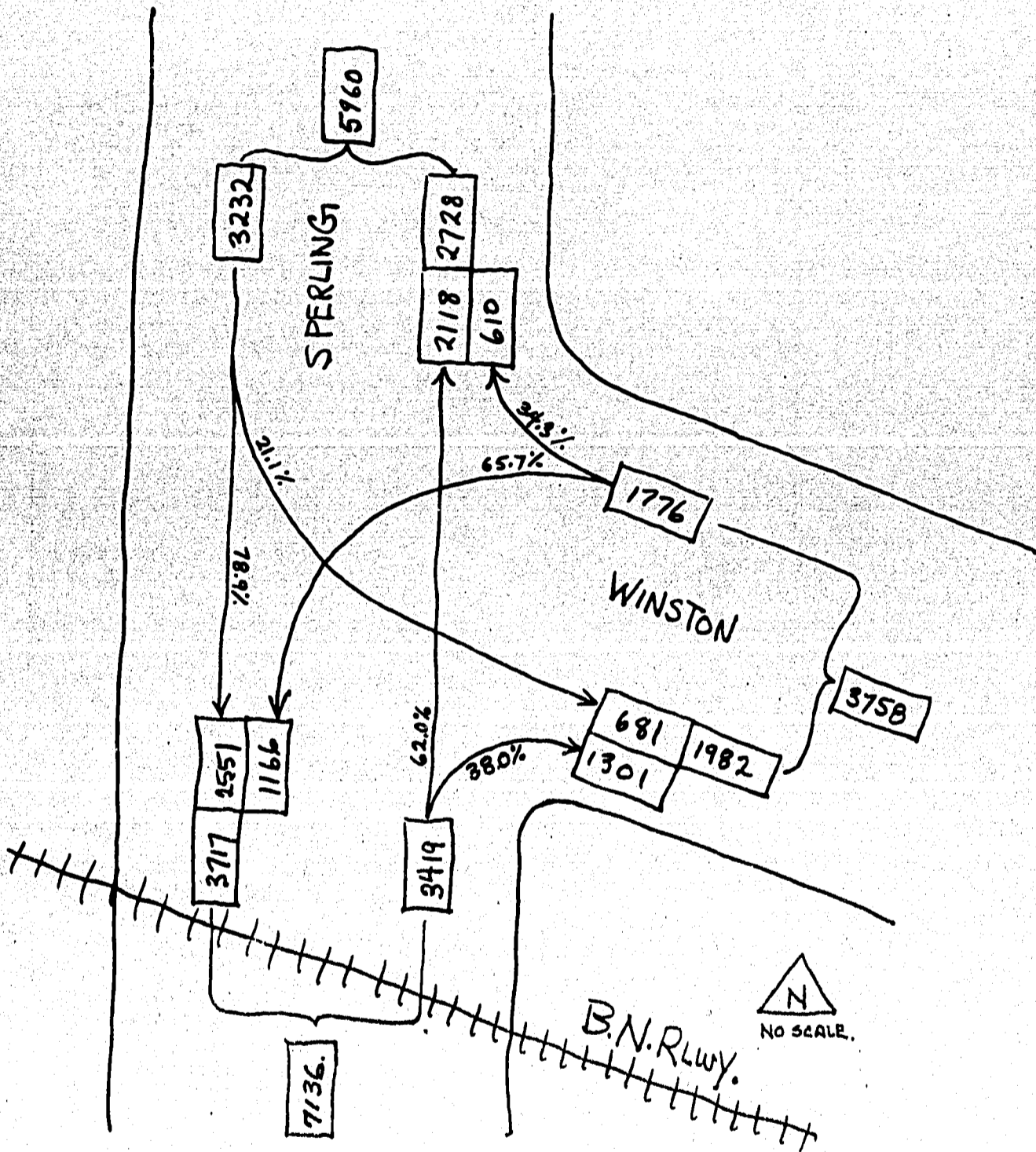
This report is submitted for the information of Council.

  
A. L. Parr,  
DIRECTOR OF PLANNING.

WSS/hf

Attach.

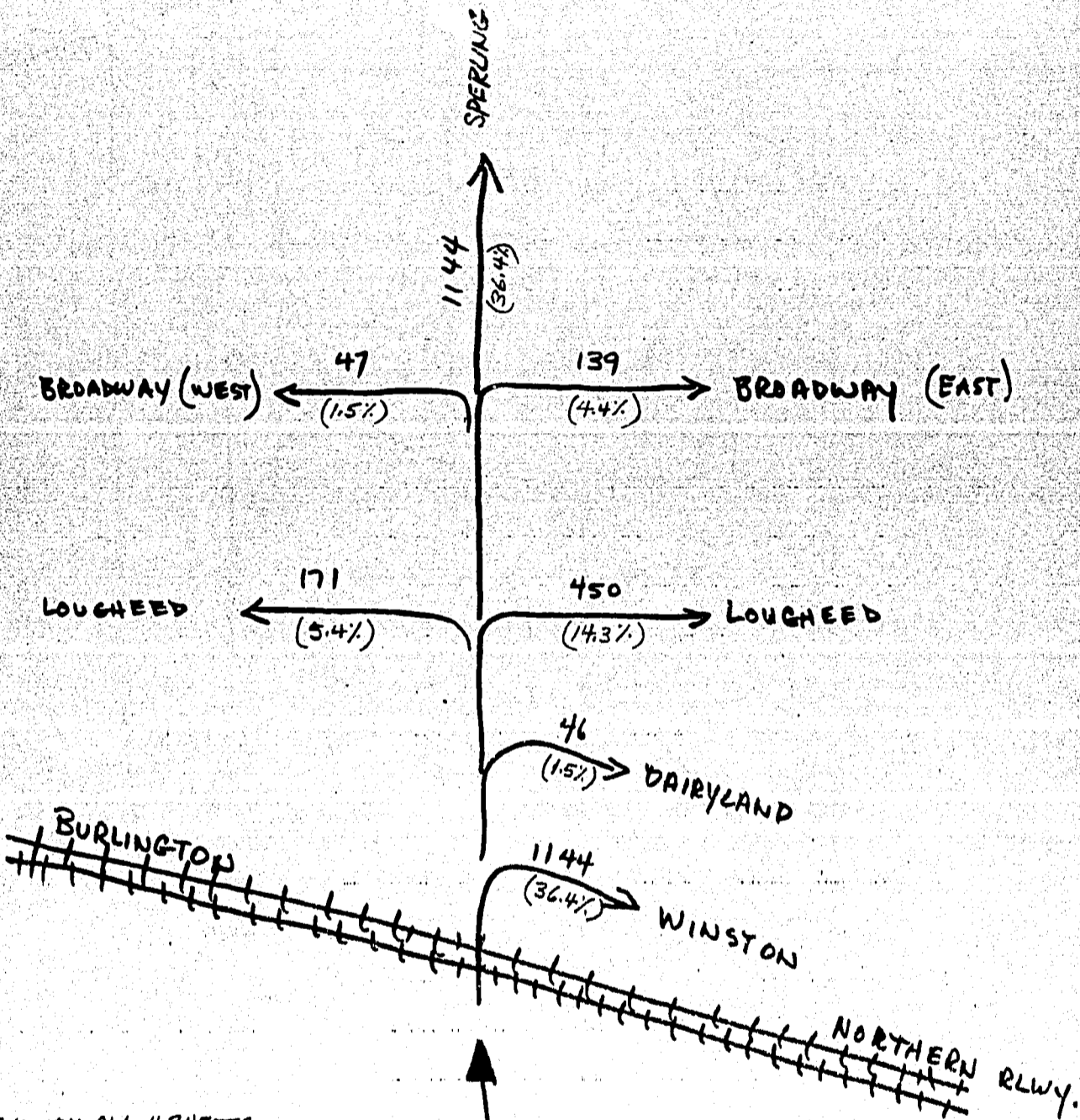
c.c. - Municipal Engineer



**NOTE:** THE TRAFFIC VALUES SHOWN ARE THE SUMMATIONS OF THE 7AM-9AM, 11AM-1PM, 4PM-6PM TRAFFIC COUNT DATA FOR JUNE 3/76.

ATTACHMENT #1.

OF THE TRAFFIC APPROACHING THE B.N. RAILWAY FROM THE SOUTH —  
THE PERCENTAGE DISTRIBUTED TO OTHER STREETS IS AS FOLLOWS:



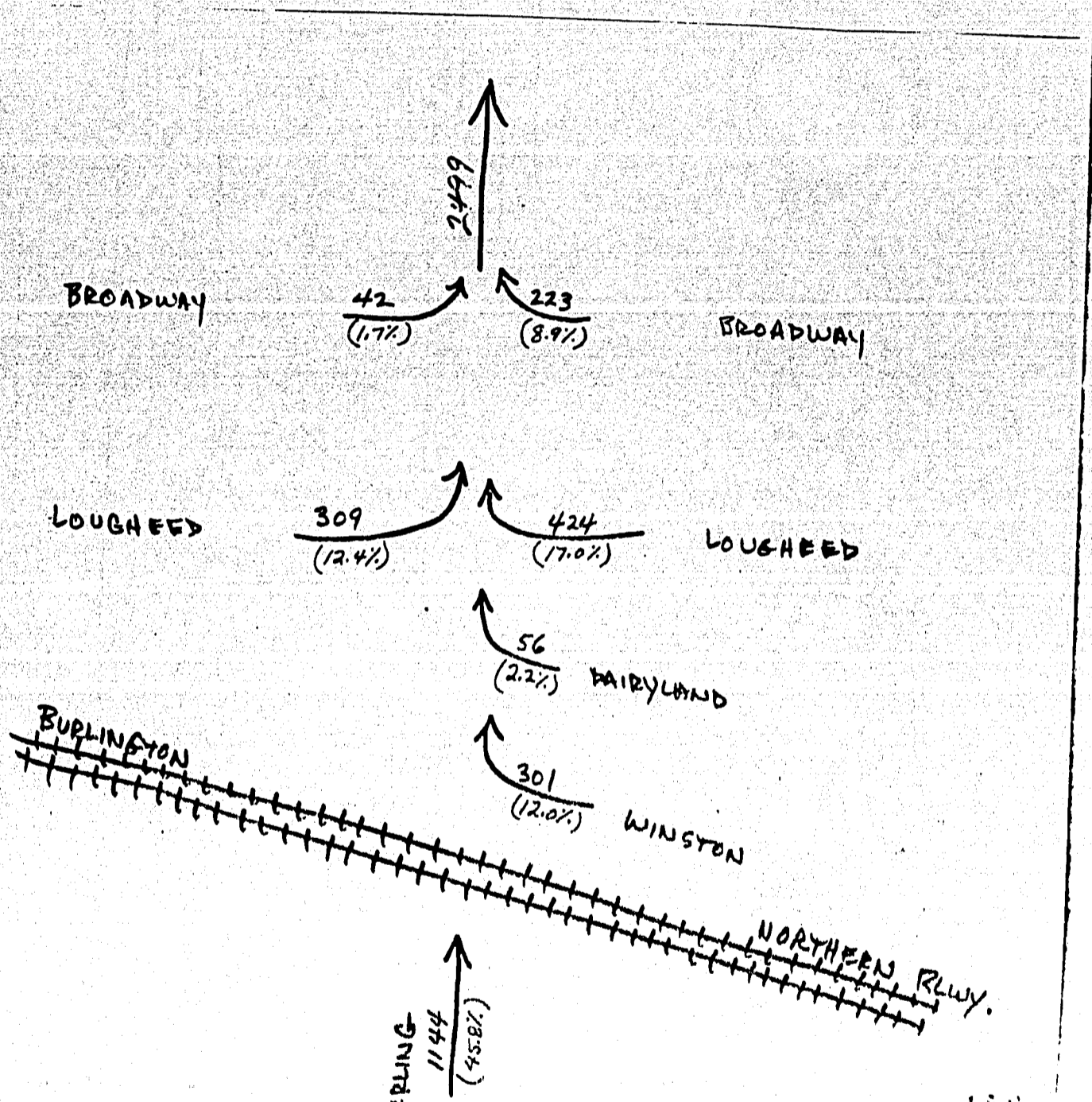
NOTE: ON ALL 4 SHEETS  
THE TRAFFIC VALUES SHOWN  
ARE SUMMATIONS OF THE  
7AM-9AM, 11AM-1PM AND 4PM-6PM  
VALUES GIVEN IN REPORT "KENSINGTON AND SPERUNG ALIGNMENTS"  
FOR JUNE-JULY 1974. ACCUMULATIVE REVIEW



*M.H.*

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OF THE TRAFFIC USING SPERLING NORTH BOUND NORTH OF BROADWAY THE PERCENTAGE COMING FROM OTHER STREETS IS SHOWN TO BE AS FOLLOWS:



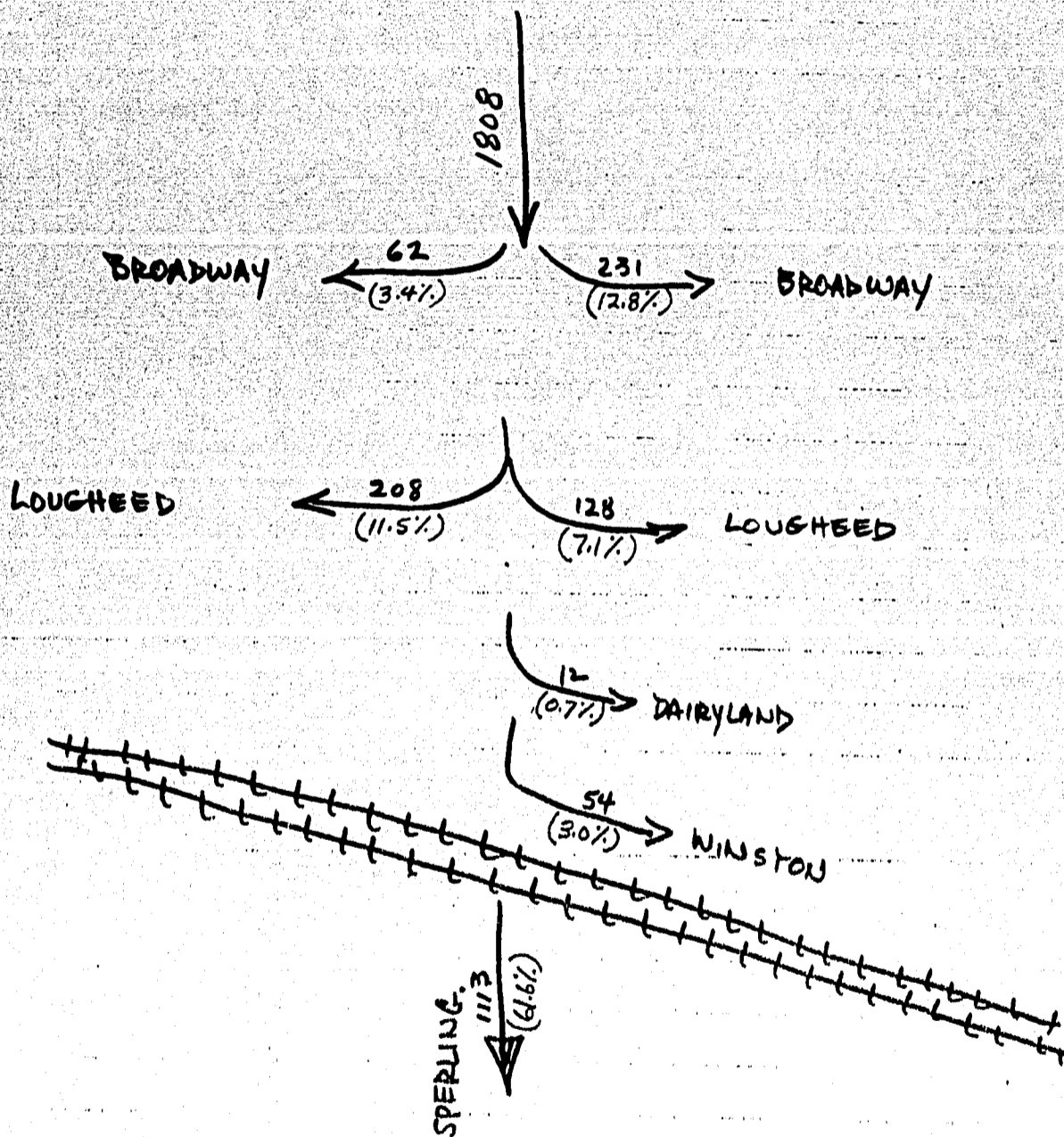
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ATTACHMENT # 2

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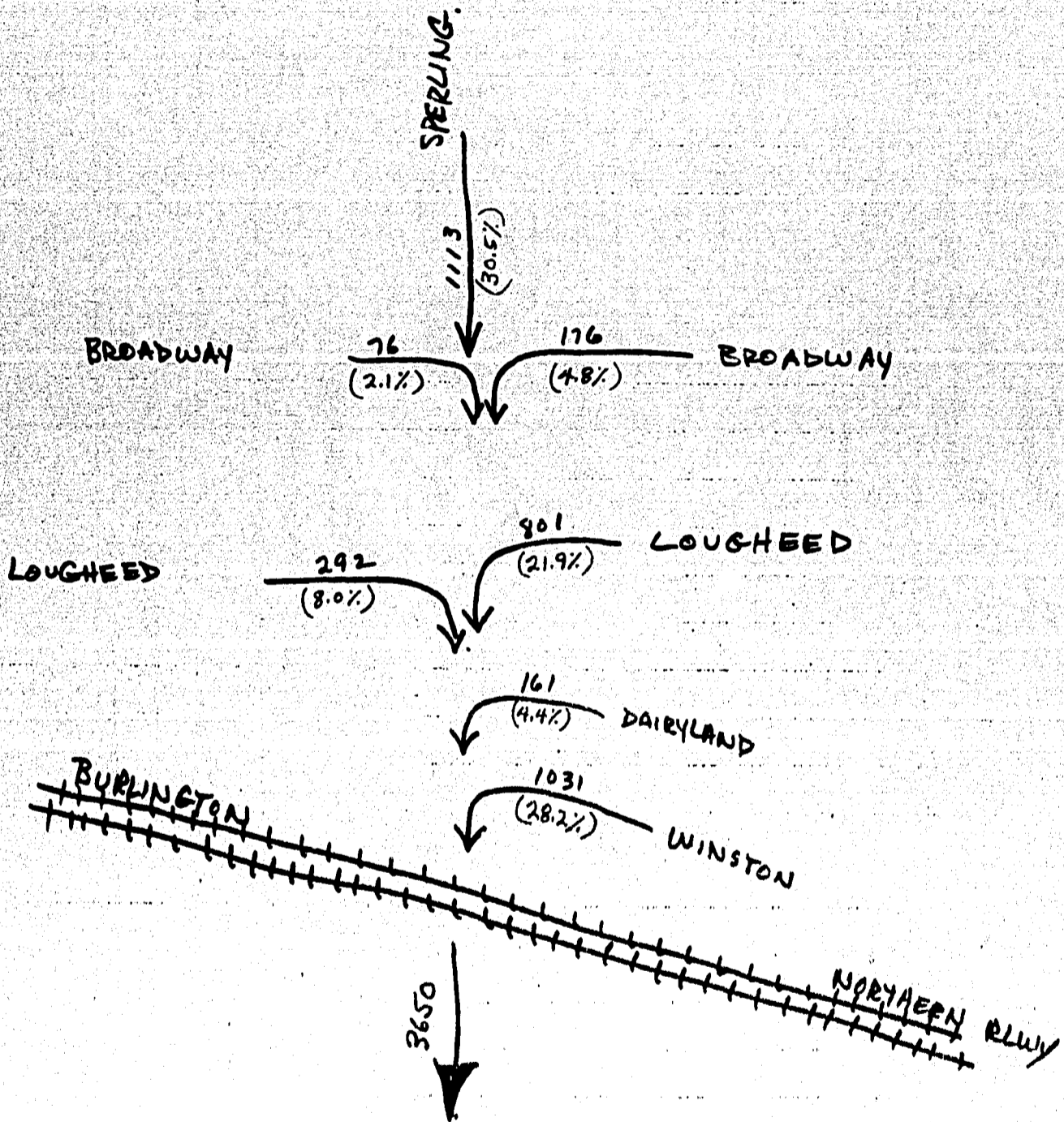
OF THE TRAFFIC ON SPERLING SOUTHBOUND THE FOLLOWING PERCENTAGES ARE DISTRIBUTED TO THE STREETS SHOWN:



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ATTACHMENT # 2

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OF THE TRAFFIC SOUTH BOUND ACROSS THE B.N. RAILWAY THE PERCENTAGE COMING FROM OTHER STREETS IS AS FOLLOWS:



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ATTACHMENT # 2

		DESTINATIONS								
		A	B	C	D	E	F	G	H	Totals
ORIGINO	A	/	25	96	400	25	10	31	97	684
	B	9	/	0	37	7	0	6	72	131
	C	73	0	/	115	166	31	1,233	27	1,645
	D	298	5	38	/	482	18	163	53	1,057
	E	64	15	129	385	/	0	5	2	600
	F	10	0	9	38	0	/	7	0	64
	G	44	11	3194	288	3	2	/	1	3,543
	H	88	251	14	67	1	0	1	/	422
	Total	586	307	3,480	1,330	684	61	1,446	252	/
		TOTAL: BOTH DIRECTIONS								
		1,270	438	5,125	2,387	1,284	125	4,989	674	16,292

TABLE 2  
**LOUGHEED - SPERLING**  
**ORIGIN DESTINATION STUDY**  
 TIME: 7 to 9 A.M.  
 DATE: JUNE - JULY 1974

ATTACHMENT #3  
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		DESTINATIONS								Totals
		A	B	C	D	E	F	G	H	
ORIGINO	A	/	22	54	337	16	2	53	66	550
	B	18	/	1	20	4	0	5	46	94
	C	90	8	/	114	99	17	1,304	26	1,658
	D	291	15	82	/	308	20	160	25	901
	E	141	1	131	228	/	0	3	5	509
	F	18	0	16	31	0	/	5	0	70
	G	52	4	1,236	198	6	4	/	1	1,501
	H	45	113	11	42	0	1	4	/	216
	Total	655	163	1,531	970	433	44	1,534	169	/
<b>TOTALS: BOTH DIRECTIONS</b>										
		1,205	257	3,189	1,871	942	114	3,035	385	10,998

TABLE 3

LOUGHEED--SPERLING  
ORIGIN DESTINATION STUDY

TIME: 11 A.M. to 1 P.M.  
DATE: JUNE - JULY 1974

ATTACHMENT # 3

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		DESTINATIONS								Totals
		A	B	C	D	E	F	G	H	
ORIGINS	A	/	15	58	376	13	0	44	68	574
	B	15	/	2	19	3	0	4	245	288
	C	146	67	/	63	122	9	2,527	7	2,941
	D	555	27	51	/	354	8	127	61	1,183
	E	96	0	99	418	/	0	5	9	627
	F	28	0	20	92	3	/	9	1	153
	G	328	34	1,709	315	3	1	/	40	2,430
	H	90	111	8	67	1	0	3	/	280
	Total	1,258	254	1,947	1,350	499	18	2,719	431	/
		TOTALS: BOTH DIRECTIONS								
		1,832	542	4,888	2,533	1,126	171	5,143	711	16,952

TABLE 4  
**LOUGHNEED - SPERLING**  
**ORIGIN DESTINATION STUDY**  
 TIME: 4 to 6 P.M.  
 DATE: JUNE - JULY 1974

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