URB 10-16-6a ~~DRAFT~~

September 17, 1980

Bather Belrose Boje, Inc.
7101 York Avenue South
Minneapolis, Minnesota 55435

Dear Mr. Belrose,

This bureau is in the process of evaluating its current computer based sign inventory program, for the installations, maintenance and removal of various traffic and parking signs and stanchions.

We have noticed in the information forwarded to this bureau, dated August 20, 1980, that you have developed a package entitled "Inventory - I, Sign Inventory Program." This bureau is expressing interest in reviewing your program and discussing its application to the City of Portland sign and maintenance system.

Please contact Mr. Cliff Knudson (503-248-4639) to arrange for any presentation or informational material.

Sincerely,

Nicky Nozaki
Parking Control Supervisor

NNN/as

cc: Cliff Knudson, Parking Control, Sign Inventory
Charles Masco, Parking Operations Manager

THE CITY OF
PORTLAND
OREGON

DEPARTMENT OF
PUBLIC WORKS
MIKE LINDBERG
COMMISSIONER

OFFICE OF
PUBLIC WORKS
ADMINISTRATOR

621 S.W. ALDER
PORTLAND, OR 97205

~~Don Bertram~~
~~F.Y.I.~~

URB 10-16.6a
JM 7-21-80

July 10, 1980

MEMORANDUM

TO: Charley Masco, Manager
Parking Operations

FROM: Marv Hamm, Supervisor MH
Engineering System Section

SUBJECT: Device Inventory System

My understandment of the goals for this inventory system are as follows:

Bureau of Traffic Engineering -

1. To provide an accurate inventory as required by City Ordinance.
2. To have available information thereby, reducing man-hours spent in responsing to Citizens and performing Engineering activities.

Bureau of Maintenance -

1. In maintaining the signs could be using the inventory for:
   a) to establish where and type of sign to be installed or replaced,
   b) to establish aniversity reports for replacement,
   c) to establish work plan for quartersection,
   c) to establish a basis for budgetary and works.

The current system work is being performed on Traffic Engineering IBM 1800 Computer System. The current information is not easily acceptable by either bureau due to location, computer run-time, and Batch operation.

Conversion to the new Public Works Engineering computer system seem resonable since Maintenance and Traffic Engineering could both use and access the same existing data. Whether the current system is adequate will require judgement of both bureau's management with our section giving appropriate technical computer knowledge and procedures. This activity should occur whether existing programs are converted or re-written.

D

Public Works desk space is roughly Committed (80% + usage). The 15,000 blocks or 6% required for this system can be presently placed "on-line". However, Public Works department may require that this be moved to magnetic tape or spare disk pack ($595.00) for access after hours as a "batch" job until additional capacity is purchased to meet this and other pending future needs.

Equipment needed for minimum access:

VT-100	$2,000	
Modems		120 characters/sec desirable
	$600-$1,500	30 characters/sec slow

Programming effort can not occur until sidewalk posting and Maintenance Management system are completed at present priority (Approximate 4-6 months).

THE DEVICE SYSTEM

DISK SPACE

Assuming on-line activity, the following form file require disk space.

Transaction file	40,000 Bytes
Master device file	5,600,000 Bytes
Comulative monthly Maintenance File	31,000 Bytes
Device Description File	8,400 Bytes
	5,679,400 Bytes

or

11,093 Disk Blocks

Allowing for user space for print file, and input files additional 40% or 4437 space probably used will be 15,530 Disk Blocks or 12% RM03 Disk Drive.

Programs

Major of the programs are rewritten in standard fortran. The conversion would require the elimination of assembler routine (sorts, ncomp, more,). In addition, the restructing of the routines that link from one mainline to another; to one supervisory mainline with subroutine. My estimate is three man weeks to six man weeks

$ = 3/52 x 26,000 = $1,500 - $3,000

Data Transfer -

The data exists on IBM 1800 Computer System. Transfer of Data will require first punching of data to computer cards, then reading those cards at D.P.A. Facility to produce a magnetic tape, the reading magnetic tape on the new system.

$ = 80,000 cards x 3.50/1000 x 1.5 = $420.00

2 man days

Total max expense:
Equipment: 3500
Manpower: 3420
$6920

MH:js

cc: Dave Vargas
R.O. Schmidt
Al Woods