

1972

---

VICTORIA

MELBOURNE UNDERGROUND  
RAIL LOOP AUTHORITY

REPORT

FOR THE

YEAR ENDED JUNE 30, 1972



*PRESENTED TO BOTH HOUSES OF PARLIAMENT PURSUANT TO ACT No. 8023 SECTION 12 (4)*



*By Authority:*

C. H. RIXON, GOVERNMENT PRINTER, MELBOURNE.





# Melbourne Underground Rail Loop Authority

6th Floor  
53 Queen Street  
Melbourne  
Victoria 3000  
Australia

Postal Address  
G.P.O. Box 2280U Melbourne  
Victoria 3001 Australia

*The Honorable V. F. Wilcox, M.P.,  
Minister of Transport,  
100 Exhibition Street,  
MELBOURNE 3000.*

*26th October, 1972*

Dear Minister,

Pursuant to the provisions of the Melbourne Underground Rail Loop Act, 1970 the Authority submits the following report on its operations for the year ended the 30th June, 1972 together with statements of its financial transactions for that year and of its financial position as at the 30th June, 1972 which are certified correct.

Yours sincerely,

|                   |    |                 |
|-------------------|----|-----------------|
| R. B. ROSCOE      | .. | Chairman        |
| T. P. SCOTT       | .. | Deputy Chairman |
| K. A. ALLEN       | .. | Member          |
| I. F. BEAUREPAIRE | .. | Member          |
| G. F. W. BROWN    | .. | Member          |
| W. H. B. DADDO    | .. | Member          |
| W. C. S. ELLIS    | .. | Member          |
| A. G. GIBBS       | .. | Member          |
| K. H. VIAL        | .. | Member          |

MELBOURNE UNDERGROUND RAIL LOOP AUTHORITY

MEMBERS

R. B. ROSCOE, Chairman

T. P. SCOTT, Deputy Chairman

K. A. ALLEN

I. F. BEAUREPAIRE, C.M.G.

G. F. W. BROWN

W. H. B. DADDO

W. C. S. ELLIS

A. G. GIBBS

K. H. VIAL, C.B.E.

GENERAL MANAGER AND CHIEF ENGINEER

F. G. Watson, B.A., M.I.E. Aust., A.F.A.I.M., M.I.E.T., M-S.A.E.-A.

SECRETARY AND REGISTRAR

W. L. R. Daniels, F.C.I.S., F.A.S.A.

OFFICE

53 Queen Street, MELBOURNE 3000.

**REPORT OF THE  
MELBOURNE UNDERGROUND  
RAIL LOOP AUTHORITY  
FOR THE YEAR ENDED  
30th JUNE, 1972**

**FOREWORD**

As recorded in the first report of the Authority the Authority is — inter alia —

- a corporate body comprising 9 members appointed by the Governor in Council,
- subject to the general direction and control of the Minister of Transport,
- responsible for supervising and coordinating the planning, financing and construction of an underground rail loop designed to increase the capacity and efficiency of the existing Melbourne suburban rail network,
- empowered to borrow by way of issues of Inscribed Stock and/or Debentures subject to the approval of the Executive Council and the Loan Council, and by way of bank advances,
- required to prepare before the end of each year for submission to and the approval of the Governor in Council an estimate of the probable expenditure to be incurred by it during the then ensuing financial year which becomes the basis of the Authority's borrowing programme for that year, and for determining contributions to administrative costs and annual redemption payments as defined by the Act to be made by the City of Melbourne, the Melbourne and Metropolitan Board of Works, The Victorian Railways Commissioners and from the Consolidated Fund.

**MEMBERS**

Mr. A. G. Gibbs was appointed a member of the Authority as from the 1st February 1972 to fill the vacancy caused by the death of Mr. R. G. P. Boyd, C.B.E., on the 15th October 1971. The Authority's tribute to Mr. Boyd and his work is recorded in its report for the period ended 30th June 1971.

**CONSULTANCY**

The engineering consortium of John Connell — Mott, Hay & Anderson, Hatch Associates Inc., and Jacobs Associates was commissioned in August 1971 to prepare a pre-design report for the construction of the Loop.

The terms of reference for the Consultants are summarised as follows —

- Review of existing data
- Examination of physical evidence
- Review of resources available
- Advice to the Authority on the necessity for any additional surveys, investigations or tests
- Advice to the Authority on overall management
- Conceptual design
- Review of construction methods and procedures and nomination of methods of construction

## MELBOURNE UNDERGROUND RAIL LOOP AUTHORITY

- Critical path network analysis
- Revised cost estimate
- Procedures for preparation of designs, tendering and contract documents and contract administration and supervision
- Procedures for utilisation of other authorities and other consultants

The Consultants presented their report in February 1972. The report was comprehensive and confirmed the basic concept of a four tunnel, three station system. It also included a conceptual design of the Loop and detailed cost estimates therefor, possible variations of the plan (the cost of which does not materially alter the total cost estimate) and detailed proposals for project management under the Authority's direction.

The construction cost estimate of the basic plan adopted by the Authority is \$117.23 million excluding land acquisition which may be separately financed, signalling and communications (which will largely be Victorian Railways' matters), and administrative and service costs including consultancy fees and interest on monies borrowed. This estimate is based on prices current in the last quarter of 1971.

Following the adoption by the Authority of the pre-design report, the Consultants are proceeding on an interim commission to design selected sections of the Loop for which it is desired to call tenders at an early date. A more comprehensive consultancy agreement is in course of negotiation.

### WORKS

The main works undertaken for the Authority during 1971/72 were —

- the construction by The Victorian Railways Commissioners of sections of ramps and underpass tunnels at Jolimont for the Burnley line loop and the Caulfield/Sandringham lines loop. A length of 900 feet of 19 feet high 16 feet wide reinforced concrete underpass tunnel was completed during the year and further excavation carried out in advance of completed concrete work.
- the construction by The Victorian Railways Commissioners and the Railway Construction Board of new stabling sidings in the North Melbourne area to replace sidings disrupted by loop works at Jolimont and Spencer Street.
- the construction by the Railway Construction Board of a section of pilot tunnel on the alignment of the Burnley line loop from the Spencer Street railway yards easterly below Adderley and Latrobe Streets. A length of 820 feet was excavated before 30th June, 1972.
- the excavation, by contract, of six 3 feet diameter exploratory bore holes near the alignment of the loop to allow physical access by geologists, designers and potential contractors to carefully examine ground structure and behaviour.

### LAND ACQUISITION FOR STATIONS AND CONSTRUCTION PURPOSES

In December 1971, the Governor in Council approved an amendment to the Melbourne and Metropolitan Board of Works Planning Scheme whereby two areas of land on the south side of Latrobe Street one between Swanston and Elizabeth Streets, and the other west of William Street, were reserved for railway purposes, i.e. for "Museum" and "Flagstaff" stations respectively, and for construction of the loop.

## MELBOURNE UNDERGROUND RAIL LOOP AUTHORITY

Notices to Treat were served by the Authority on owners of the properties within the areas so reserved early in 1972. Further Notices to Treat have since been served on the lessees entitled thereto and on all who may have any interest in various rights of way within the reservation. No settlements for property acquisition were made prior to the 30th June 1972.

### FINANCE

#### Loans

The Authority was authorised to borrow \$5,500,000 during 1971/72 and loans totalling \$5,500,000 were arranged against the security of the Authority's Inscribed Stock. The interest rates on the Inscribed Stock and the amounts in respect of which each interest rate applied were as follows—

| Amount      | Rate % P.A. |
|-------------|-------------|
| \$4,285,000 | 7.4         |
| 458,100     | 7.3         |
| 25,000      | 7.15        |
| 170,000     | 7.1         |
| 41,900      | 7.0         |
| 510,000     | 6.9         |
| 10,000      | 6.7         |
| <hr/>       |             |
| \$5,500,000 |             |

As at the 30th June 1972, the balance of Inscribed Stock on issue was \$5,498,500.

#### Treasurer's Determinations

As required by the Act, and in accordance with determinations made by the Treasurer, the Authority duly received the following contributions to "Annual Redemption Payments".

|                                           |          |
|-------------------------------------------|----------|
| Melbourne and Metropolitan Board of Works | \$20,000 |
| City of Melbourne                         | 20,000   |
| The Victorian Railways Commissioners      | 40,000   |

The Treasurer also determined that no amount was required to be paid in the year to the Authority for the purpose of defraying "Administrative costs" and that additional sums totalling \$911,794 be paid to the Authority by The Victorian Railways Commissioners of which \$836,168 was paid prior to the 30th June 1972 and \$75,626 was paid in July 1972.

#### Expenditure

The Authority's expenditure for the year on fixed assets, administrative costs, interest and redemption payments totalled \$3,384,731 compared with estimated total expenditure (as approved by the Governor in Council) of \$6,466,100. Total expenditure to date for the same items is \$3,817,930.

The principal disparity between the estimated and the actual expenditure for the year is in the amount of \$3 million provided for, but not expended, for land acquisition. Although no amount was spent for that purpose, it was necessary for the Authority to have sufficient funds available when the notices of acquisition were served on property owners so that the Authority could meet obligations arising out of the service of the notices.

## MELBOURNE UNDERGROUND RAIL LOOP AUTHORITY

### CONSTRUCTION PROGRAMME

Planning for the construction of the loop continued throughout 1971/72.

In 1972/73 the Authority proposes to —

- continue the construction of the Caulfield and Sandringham lines underpass and Burnley line ramp and underpass at Jolimont.
- construct a retaining wall and bridge abutments at Jolimont Road for the Clifton Hill line connection.
- continue excavation of the pilot tunnel under Latrobe Street from Spencer Street towards Flagstaff Station site.
- construct retaining walls, an additional opening under the standard gauge flyover and part of a ramp for the Northern Loop connection, at North Melbourne.
- construct an access shaft off Spring Street near Wellington Parade and a short section of tunnel for exploratory purposes adjacent to the shaft.
- construct short sections of tunnels for the Burnley loop and the Caulfield and Sandringham loop from Wellington Parade South northerly under Spring Street.
- commence preliminary work for Loop connections at Spencer Street.
- undertake site investigation and preliminary work for the new viaduct structure.
- acquire property for “Museum” and “Flagstaff” stations.
- demolish buildings in the area to be acquired for “Museum” station.
- purchase steel piling and sheeting for “Museum” station and commence construction work.
- acquire a “part face” tunnelling machine for establishment of tunnel excavation and support criteria.
- continue and extend design and other services by Consultants.

The total expenditure proposed by the Authority in 1972/73 is \$20.93 million.

Since the 30th June 1972 the Authority has received approval to borrow \$11 million in 1972/73 by the issue of its Inscribed Stock and/or Debentures and, pursuant to a determination by the Treasurer, the Melbourne and Metropolitan Board of Works and the City of Melbourne are each required to provide \$173,912 and The Victorian Railways Commissioners are required to provide \$347,824 towards annual redemption payments as defined by the Act. The balance of the Authority's estimated expenditure for 1972/73 is proposed to be met from funds on hand as at the 30th June 1972, contributions to capital works by The Victorian Railways Commissioners (under determinations by the Treasurer) and bank accommodation (subject to appropriate approval under proposed amendments to the Melbourne Underground Rail Loop Act).

### VICE-REGAL

On 1st June 1972 His Excellency the Governor of Victoria, Sir Rohan Delacombe, K.C.M.G., K.C.V.O., K.B.E., C.B., D.S.O., K.St.J. and the Honorable the Minister of Transport accompanied by the Chairman of the Authority and the Chairman of The Victorian Railways Commissioners carried out an inspection of the ramps and underpasses under construction at Jolimont and the pilot tunnel under construction below Latrobe Street.



# MELBOURNE UNDERGROUND RAIL LOOP AUTHORITY

## INSPECTIONS

In addition to the vice-regal visit, inspections were organised during the year as part of the Authority's information services. These visits included Members of Parliament, the Lord Mayor and Councillors of the City of Melbourne, and professional, educational and financial groups.

## AUDIT QUALIFICATIONS TO 1971 REPORT

In relation to the matters referred to in the notes of the Auditor General to his report on the Authority's accounts for the period ended 30th June 1971 and for other purposes, certain amendments to the Melbourne Underground Rail Loop Act are under recommendation to the Honorable the Minister of Transport.

## ACKNOWLEDGEMENTS

The Authority wishes to thank all those who have given financial support towards its requirements for 1971/72 and those who have already indicated similar interest for 1972/73, also to acknowledge in particular the valuable guidance and assistance received from the Honorable the Minister of Transport, the Director of Transport, the staff of the Ministry, the Railway Construction Board and The Victorian Railways Commissioners.

The Authority has been greatly aided by the work of its staff, its engineering consultants (John Connell—Mott, Hay & Anderson, Hatch Associates Inc., and Jacobs Associates) and its other professional advisers.

**MELBOURNE UNDERGROUND RAIL LOOP AUTHORITY**  
**STATEMENT OF FINANCIAL POSITION**

| As at 30th<br>June 1971 |                                                          | \$        | \$        | \$                   |
|-------------------------|----------------------------------------------------------|-----------|-----------|----------------------|
|                         |                                                          |           |           | As at 30th June 1972 |
| \$                      | <b>Fixed Assets—See Note 1</b>                           |           |           |                      |
| 400,610                 | Loop Development Account                                 |           | 3,395,520 |                      |
| —                       | Plant                                                    |           | 101,365   |                      |
| 1,156                   | Office Furniture Fittings and Equipment                  |           | 29,754    |                      |
| —                       | Motor Vehicle                                            |           | 3,286     |                      |
| 401,766                 |                                                          |           |           | 3,529,925            |
|                         | <b>Current Assets</b>                                    |           |           |                      |
| 35,017                  | Cash at Bank and on hand                                 |           | 293,354   |                      |
| 160,000                 | Investments—Short Term                                   |           | 3,305,000 |                      |
| 740                     | Accrued Interest Receivable                              |           | 39,150    |                      |
| 3,820                   | Prepayment                                               |           | 3,820     |                      |
| —                       | Debtor                                                   |           | 75,626    |                      |
| 199,577                 |                                                          |           |           | 3,716,950            |
| —                       | <b>Investment—Sinking Fund Purposes</b>                  |           |           | 500                  |
|                         | <b>Intangibles—Capitalised Costs</b>                     |           |           |                      |
|                         | Administrative Costs—See Note 2                          |           |           |                      |
| 32,979                  | To 30th June 1971                                        | 32,979    |           |                      |
| —                       | For 1971/72                                              | 168,924   |           |                      |
|                         |                                                          |           | 201,903   |                      |
|                         | Interest (Net)—See Note 3                                |           |           |                      |
| 1,546 Cr.               | To 30th June 1971                                        | 1,546 Cr. |           |                      |
|                         | For 1971/72                                              | 85,898    |           |                      |
|                         |                                                          |           | 84,352    |                      |
| 31,433                  |                                                          |           |           | 286,255              |
| 632,776                 |                                                          |           |           | 7,533,630            |
|                         | <b>Less Current Liabilities</b>                          |           |           |                      |
| 100,000                 | Inscribed Stock Application                              |           | —         |                      |
| 85,910                  | Sundry Creditors                                         |           | 492,789   |                      |
| —                       | Accrued Interest Payable                                 |           | 103,431   |                      |
| 185,910                 |                                                          |           |           | 596,220              |
| \$446,866               |                                                          |           |           | \$6,937,410          |
|                         | <b>SOURCES OF FUNDS</b>                                  |           |           |                      |
|                         | <b>Contributions—pursuant to Sections 25 &amp; 26</b>    |           |           |                      |
|                         | —To annual Redemption Payments                           |           |           |                      |
| —                       | The Victorian Railways Commissioners                     |           | 40,000    |                      |
| —                       | City of Melbourne                                        |           | 20,000    |                      |
| —                       | Melbourne & Metropolitan Board of Works                  |           | 20,000    |                      |
|                         |                                                          |           | 80,000    |                      |
|                         | —To Administrative Costs                                 |           |           |                      |
|                         | The Victorian Railways Commissioners                     |           |           |                      |
| 56,975                  | To 30th June, 1971                                       |           |           | 56,975               |
|                         | —For Capital Works                                       |           |           |                      |
|                         | The Victorian Railways Commissioners                     |           |           |                      |
| 389,891                 | To 30th June, 1971                                       | 389,891   |           |                      |
| —                       | For 1971/72                                              | 911,794   |           |                      |
|                         |                                                          |           | 1,301,685 |                      |
| \$446,866               |                                                          |           |           | \$1,438,660          |
| —                       | <b>Loans—secured by Inscribed Stock</b>                  |           |           | 5,498,750            |
| \$446,866               |                                                          |           |           | \$6,937,410          |
|                         | <b>Capital Expenditure Commitments—excluded from the</b> |           |           |                      |
| \$247,520               | above Statement                                          |           |           | \$2,209,672          |

MELBOURNE UNDERGROUND RAIL LOOP AUTHORITY

NOTES TO STATEMENT OF FINANCIAL POSITION

| Period<br>ended 30th<br>June 1971<br>\$ |                                        | Year<br>ended 30th<br>June 1972<br>\$ |
|-----------------------------------------|----------------------------------------|---------------------------------------|
|                                         | <i>Note 1.</i>                         |                                       |
|                                         | <b>Fixed Assets</b>                    |                                       |
|                                         | Fixed Assets are shown at cost.        |                                       |
|                                         | No provision is made for depreciation. |                                       |
|                                         | <i>Note 2.</i>                         |                                       |
|                                         | <b>Administrative Costs</b>            |                                       |
| 20,826                                  | Salaries and Allowances                | 104,080                               |
| 12,153                                  | Other Administrative Costs             | 64,844                                |
| <hr/> \$32,979                          |                                        | <hr/> \$168,924                       |
|                                         | <i>Note 3.</i>                         |                                       |
|                                         | <b>Interest (Net)</b>                  |                                       |
| 2                                       | Paid and Payable                       | 280,638                               |
| 1,548                                   | Less Received and Receivable           | 194,740                               |
| <hr/> \$1,546 Cr.                       |                                        | <hr/> \$85,898                        |

W. L. R. DANIELS,  
Secretary.

AUDIT CERTIFICATE

The books and accounts of the Melbourne Underground Rail Loop Authority for the year ended 30th June, 1972 have been audited by an officer acting under my direction.

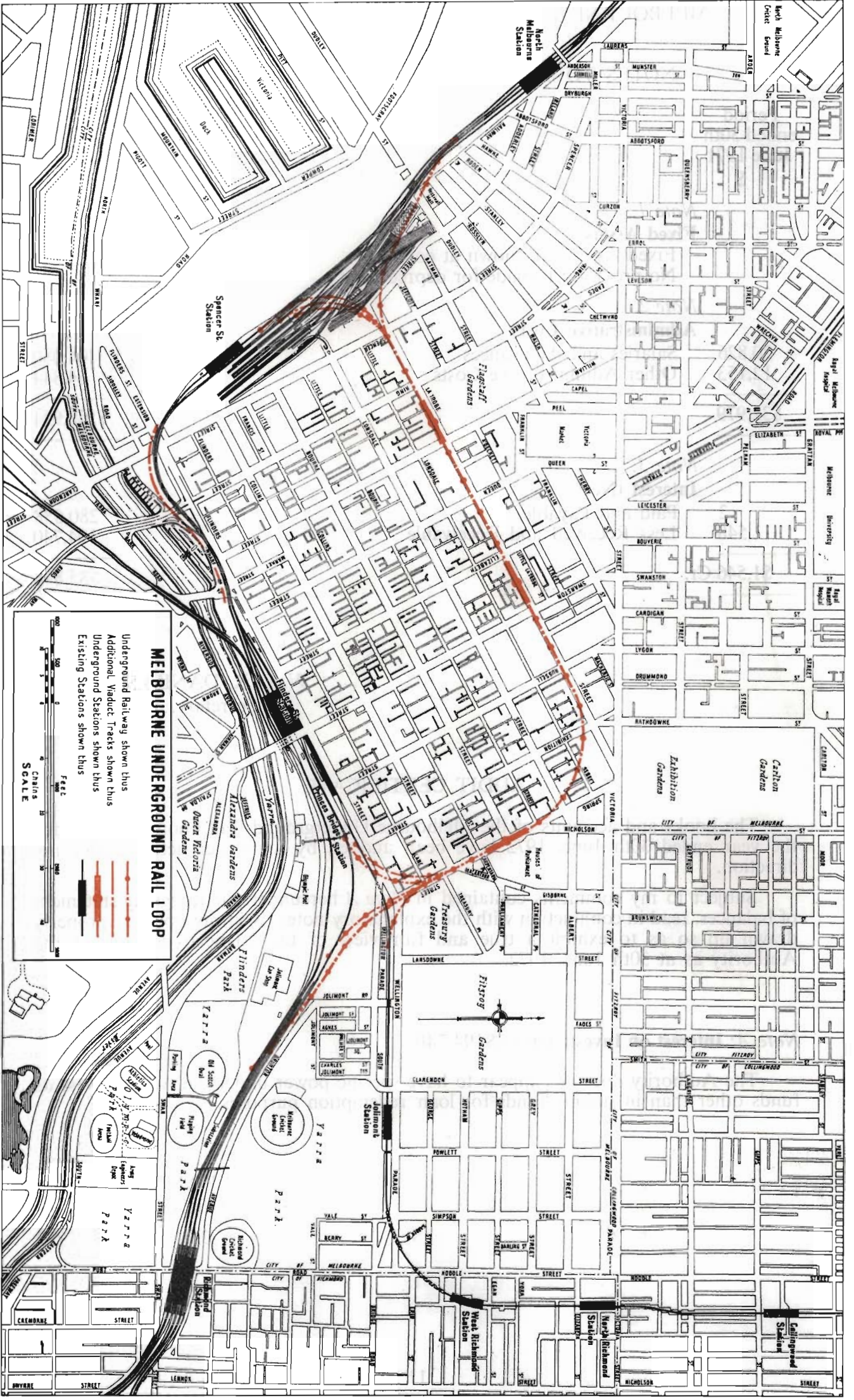
Subject to my comments contained in *Note A* hereunder, the foregoing statement of balances, read in conjunction with the explanatory notes, is in my opinion, properly drawn up so as to exhibit a true and fair view of the financial position of the Authority as at 30th June, 1972.

*Note A: Interest on Investments*—\$194,740

The Authority does not appear to have specific power under the Act to invest its funds other than in sinking funds for loan redemption purposes.

B. HAMILTON,  
Auditor General

*26th October, 1972*



North Melbourne Station

Spencer St. Station

Flinders Park Station

Jolimont Station

West Richmond Station

North Richmond Station

Collingwood Station

North Melbourne  
Cricket Ground

Flagstaff  
Gardens

Queen Victoria  
Gardens

Flinders  
Park

Fitzroy  
Gardens

Treasury  
Gardens

Exhibition  
Gardens

Carlton  
Gardens

East Melbourne  
Hospital

University  
Melbourne

St Albans  
Hospital

St Albans  
Hospital

St Albans  
Hospital

St Albans  
Hospital

St Albans  
Hospital

St Albans  
Hospital

St Albans  
Hospital