

Commissioner for Main Roads, New South Wales

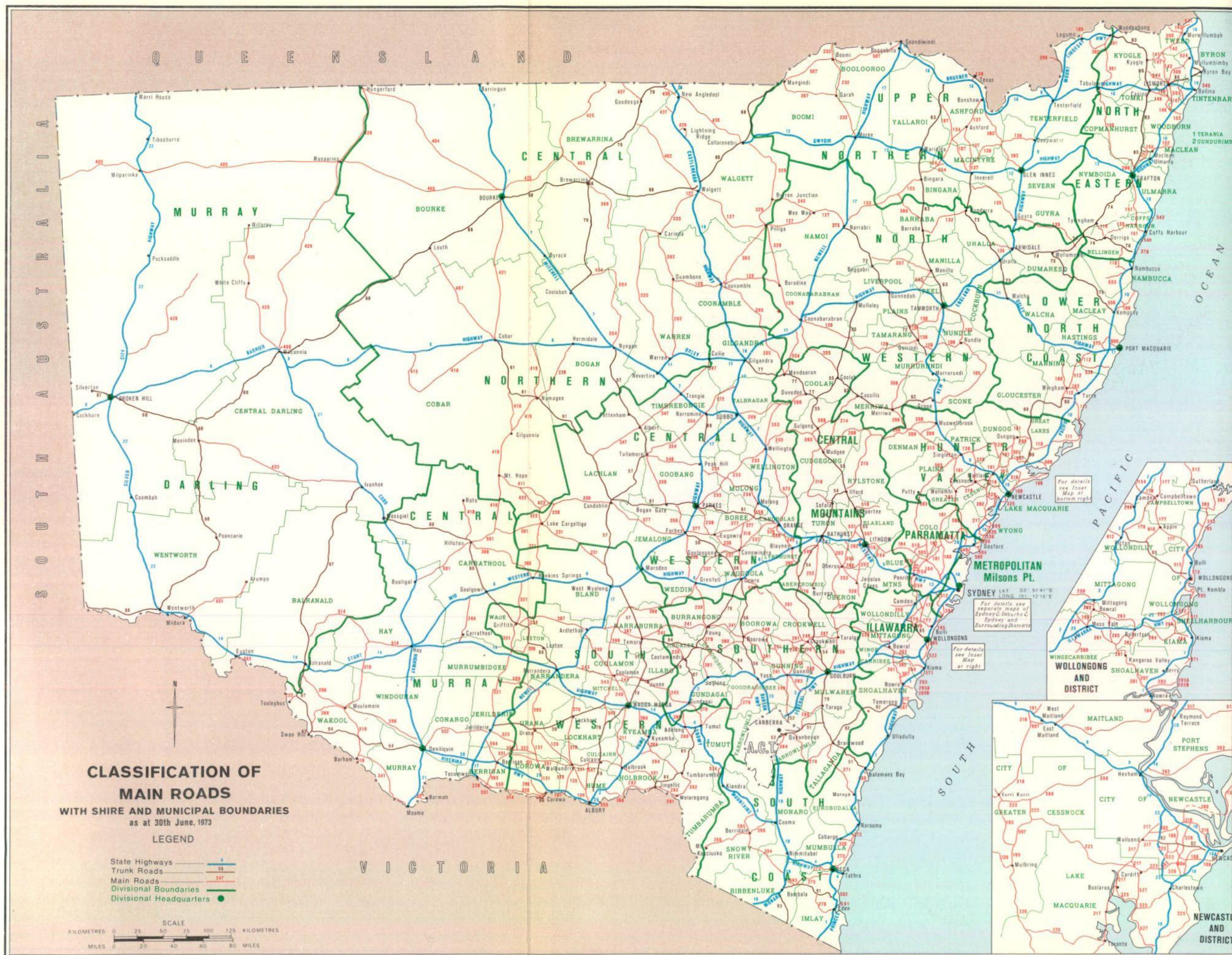
ANNUAL REPORT 1972-73

DEPARTMENT OF MAIN ROADS
NEW SOUTH WALES



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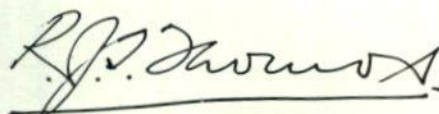
**SYDNEY, NEW SOUTH WALES
NOVEMBER 1973**

**THE HONOURABLE,
THE DEPUTY PREMIER AND
MINISTER FOR HIGHWAYS,
SYDNEY.**

Section 6 of the Main Roads Act, 1924, requires that the Commissioner for Main Roads shall present an annual report and statement of accounts to Parliament through the Minister.

I now have pleasure in submitting through you the Forty-Eighth Annual Report, including statement of accounts.

The report covers the period from 1st July, 1972 to 30th June, 1973, though a few matters referred to are carried beyond the latter date for convenience and completeness of record.



R. J. S. THOMAS
COMMISSIONER FOR MAIN ROADS

*r photograph)
e reflections in the Macleay
seen from beneath the new
ge which crosses at Smithtown.*

COMMISSIONER FOR MAIN ROADS
R. J. S. Thomas

ASSISTANT COMMISSIONER
FOR MAIN ROADS
A. F. Schmidt

BRANCH HEADS

ENGINEER-IN-CHIEF
G. V. Fawkner

SECRETARY
C. W. Mansfield

CHIEF ACCOUNTANT
R. G. Barton

PRINCIPAL LEGAL OFFICER
G. C. Sheldon

Senior Officers are listed
on page 40

GENERAL REVIEW

In all areas of New South Wales, motorists and other users of the Main Roads System have benefited this year from the completion of several major works. The rate of progress on a large number of works of construction and improvement commenced during the year, together with the emphasis on the standard of maintenance and upkeep of the whole of the Main Roads System, has added to the highly satisfactory achievements in the year under review.

* * *

The freeway system proposed for Sydney and its surrounding districts and the major urban areas of Newcastle and Wollongong is only part of a total integrated road system. The freeways are the means of separating through traffic from the slower moving local traffic and pedestrians. Freeways contribute greatly to the safety and efficiency of the road system. Construction of freeways in the inner suburbs of Sydney has of necessity been a slow process and only a few miles are open. For years lack of funds prevented work from proceeding.

The 1968 Road Needs Survey revealed how serious was the need for freeway and major surface roads in and around the Sydney region.

Commonwealth Aid Roads Funds over the last few years have been used in part in the acquisition of properties and adjustment of utilities but in the main on major road and bridge works. Road and bridge construction is now well under way and road users are gaining the benefit of this expenditure.

As well as the works already completed and the acquisition of properties to allow larger works to proceed the following major works are under construction:

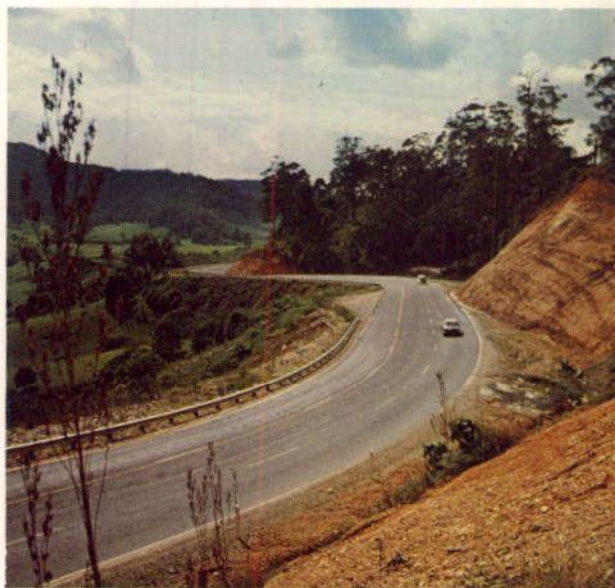
1. On the first stage of the North Western Freeway across Darling Harbour railway goods yard to allow the closure and demolition of the aged Pyrmont Bridge.
2. Bridgeworks on Section 2 of the Warringah Freeway are about to commence.
3. A bridge under William Street to separate Sydney Harbour Bridge and Eastern Suburbs traffic.
4. A length of the Eastern Freeway at Bondi Junction to enable the railway-bus interchange to operate.

In the construction of freeways, as with any major engineering work, there must necessarily be some immediate effect on the environment and people concerned. It is not an inescapable result that the environment must be adversely affected in either the short or long term. There are no engineering works so vast that nature cannot and does not remedy adverse effects in her own way. The Engineers in the Department are paying particular attention to this consideration. This is borne out by the healing of the scars on the construction of the Sydney-Newcastle Freeway where large fills are already well covered by natural growth. Sympathetic and more enlightened design together with payment of reasonable compensation resulting from negotiations for disturbance are characteristic of the activities relating to properties and largely are dispelling the concern which has been claimed in former years.

In March 1973, the Department arranged an exhibition of its freeway proposals. This display, held at the Head Office in the Department, was an adjunct to other forms of public information and the large attendance at the exhibition showed that public interest in the activities was aroused. The exhibition illustrated the irony of

The completed Stage I of the Western Distributor viewed from Harris Street, Pyrmont

Climbing lanes at Burringbar Range on the Pacific Highway (S.H. 10) about 1½ miles north of Burringbar



freeways—that they are most needed where they are most difficult to build—in high density areas where traffic volume is high but land values are also high and where the necessary acquisition of land will disturb many people. Many Members of the Parliament, of Local Government Councils and some thousands of the public visited the exhibition.

Throughout the year smaller displays were also presented in country towns to inform local residents of particular works in their area and of major works in other areas of the State.

* * *

Consistent with traffic needs, important rural arterial roads which are the highways of the Main Roads System are constantly being improved.

The completion of sealing the Barrier Highway in October 1972 provided a bitumen surfaced route from the coast at Sydney to the border with South Australia west of Broken Hill; the Newell Highway, reaching northerly from the border with Victoria to border with Queensland, will be sealed over its entire length with the completion of a small section under construction north of Moree; there will be an all-weather sealed route from the south-western corner of the State near Wentworth to the coast at Tathra near Bega following the completion of reconstruction of about two miles of the Snowy Mountains Highway in the Kosciusko National Park; the last major flood barrier has been removed from the Hume Highway with the construction of the Macarthur Bridge over the Nepean River at Camden while construction of dual carriageways on this highway is in hand between Mittagong and Goulburn and the construction of a new bridge over the Murrumbidgee River at Gundagai has commenced; new bridges were constructed at Hay and Balranald on the Sturt Highway



replace the old bridges on poor alignment; and the Murrumbidgee Highway is being reconstructed to provide improved access to the section of the Southern Freeway between Waterfall and the top of the Bulli Pass, while to the south at Bega construction of a new bridge over the Bega River, the first stage in the construction of a fly-pass around this major centre, has commenced.

* * *

The financial year 1972/73 encompassed by this report is the first full year in which the financial relationship with Councils implemented by the Government as at 1st January, 1972, has been operating.

In past years Councils were required to contribute towards the cost of works on Trunk and ordinary Main Roads and programmes for works were arranged to accommodate the restrictions imposed by the levels of revenue available to Councils and their ability to finance their portion of the cost.

With Councils no longer restricted from requesting works in proportion to their available revenue, there have been cases where Councils requested funds for roadworks which were beyond the financial capacity of the Department having regard to greater priority needs elsewhere in the State.

While considerably more funds were made available to Councils in the year, drawings of cash by Country Councils were approximately \$1.7 million less than the amount allocated.

The liability for further finance for works on Trunk and ordinary Main Roads which were not completed at the close of the 1972/73 financial year is of particular concern and every endeavour is being made to ensure that plans and other preliminary actions are completed in good time to permit works to proceed as soon as funds can be made available.

Councils are required to prepare plans for all roadworks on Trunk and ordinary Main Roads and as far as practicable this responsibility will be extended to include bridgeworks other than major structures of a complex nature.

In the planned improvements to the Main Roads System co-operation with the Municipal and Shire Councils has been maintained and the views of Councils' priorities have strongly influenced the progress and effectiveness of the work.

* * *

Apart from the safety factors designed and built into a road carriageway there are other safety aids provided in the way of roadside furnishings which if correctly used will assist in the better and safer use of the road system.

These roadside furnishings include information, direction and reassurance signs and, more importantly, warning signs and advisory speed signs. Tourist Route signs are an added assistance in predominantly tourist areas.

Advisory speed signs are erected after a scientific assessment of all the various factors associated with a curve. The advised speed, which is sufficiently high for the average motorist not to want to exceed it, is a safe speed for the curve and all drivers should be able to corner safely at speeds in the vicinity of those indicated. Concern is expressed at the wilful damage caused by vandals to the road furnishings. The cost of repair or replacement is considerable but even more so is the potential danger to motorists caused by the removal or interference with warning signs.

Care for the welfare of the motorists of New South Wales continues to be the keynote of the Department's operations.

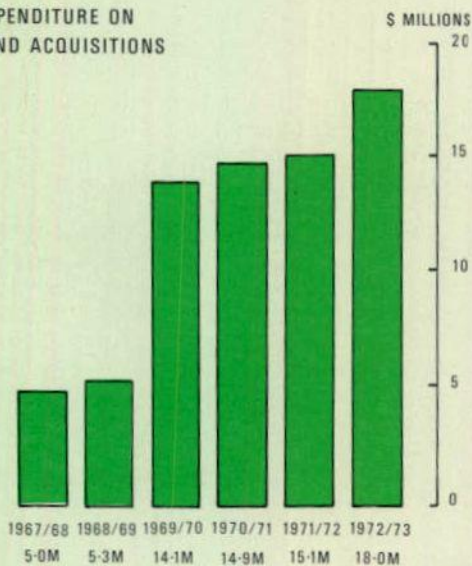
FINANCE

RECEIPTS

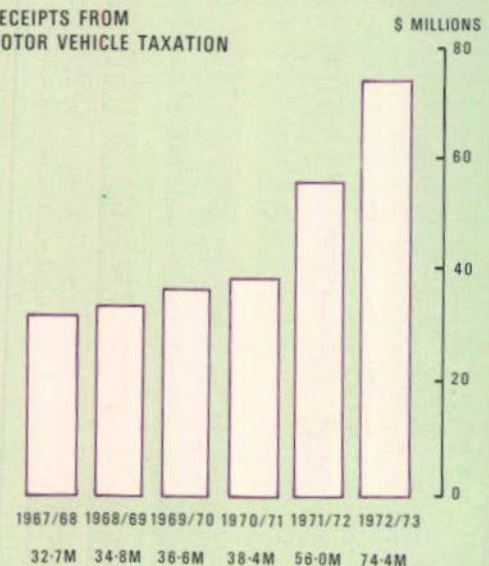
The amount received from State sources, viz, Motor Vehicle Taxation, Road Maintenance Charges and miscellaneous items was \$95,452,740. The amount received under the Commonwealth Aid Roads Act, 1969, was \$66,073,632, making a total of \$161,526,372 for 1972/73 or \$23,640,936 more than in 1971/72.

In addition, funds totalling \$10,795,573 were provided for special works or for works that could not normally be undertaken from ordinary revenue. This amount includes special grants by the Commonwealth and State Governments totalling \$1,886,258 to finance works for the relief of unemployment.

EXPENDITURE ON
LAND ACQUISITIONS



RECEIPTS FROM
MOTOR VEHICLE TAXATION



The total funds received for 1972/73 were thus \$172,321,945.

The grant received under the Commonwealth Aid Roads Act, 1969, was \$66,073,632. This is \$10,157,015 more than the grant received in 1971/72 and represented about 57% of the total expenditure (\$115,660,872) by the Department on construction and reconstruction of roads and bridges, including planning and research.

Receipts from Motor Vehicle Taxation amounted to \$74,414,598 and included receipt for a full year of the

increased motor vehicle taxation which operated from 1st January, 1972. The increased taxation was introduced mainly to replace revenue lost to the Department as a result of the elimination of contributions by Councils in the County of Cumberland, as required by Section 11 of the Main Roads Act. Councils outside the County of Cumberland were also not required to contribute towards the cost of works on Trunk and Ordinary Main Roads after 1st January, 1972.

Charges for heavy commercial vehicles under the Road Maintenance (Contribution) Act, 1958, yielded \$18,315,937, or \$628,978 more than in the previous year.

\$7,075,000 was borrowed under Section 42A of the Main Roads Act during 1972/73. This was used to meet the cost of constructing the new bridge over the Hawkesbury River on the Sydney-Newcastle Freeway and the Waterfall-Bulli Pass section of the Southern Freeway.

PAYMENTS

Total payments from the County of Cumberland Country and Commonwealth Aid Roads Funds amounted to \$159,049,393, or \$16,146,788 greater than for the previous year.

Maintenance and minor improvements of roads and bridges cost \$28,312,507 out of normal revenues, or 17.8% of the total expenditure.

In addition, \$1,643,355 was expended from the funds provided by the Commonwealth and State Governments to alleviate unemployment.

Construction, reconstruction and the acquisition of property for roadworks accounted for the major portion of the Department's expenditure. The amount expended on these works was \$113,987,425, or 71.7% of the total expenditure, compared with \$97,579,400 in 1971/72.

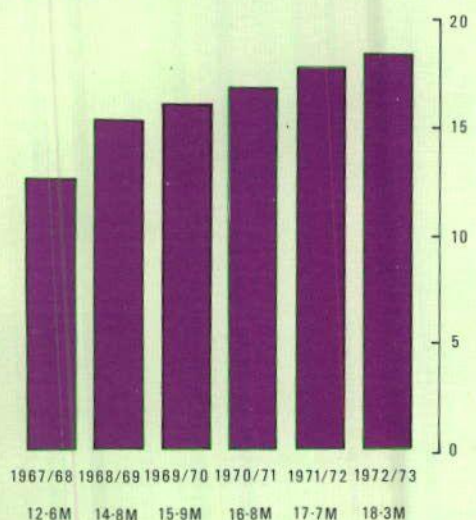
Loan charges, administrative expenses and other costs amounted to \$15,106,106.

Costs of construction and maintenance of Secondary Roads in the County of Cumberland and Tourist Roads throughout the State are shared between the Department and Councils.

The portion of these costs which is borne by the Councils is not included in the amounts stated above. Funds are provided to Councils under Schedule 4 of the Commonwealth Aid Roads Act to cover the full cost of construction works on Developmental Roads.

RECEIPTS FROM CHARGES
FOR HEAVY VEHICLES

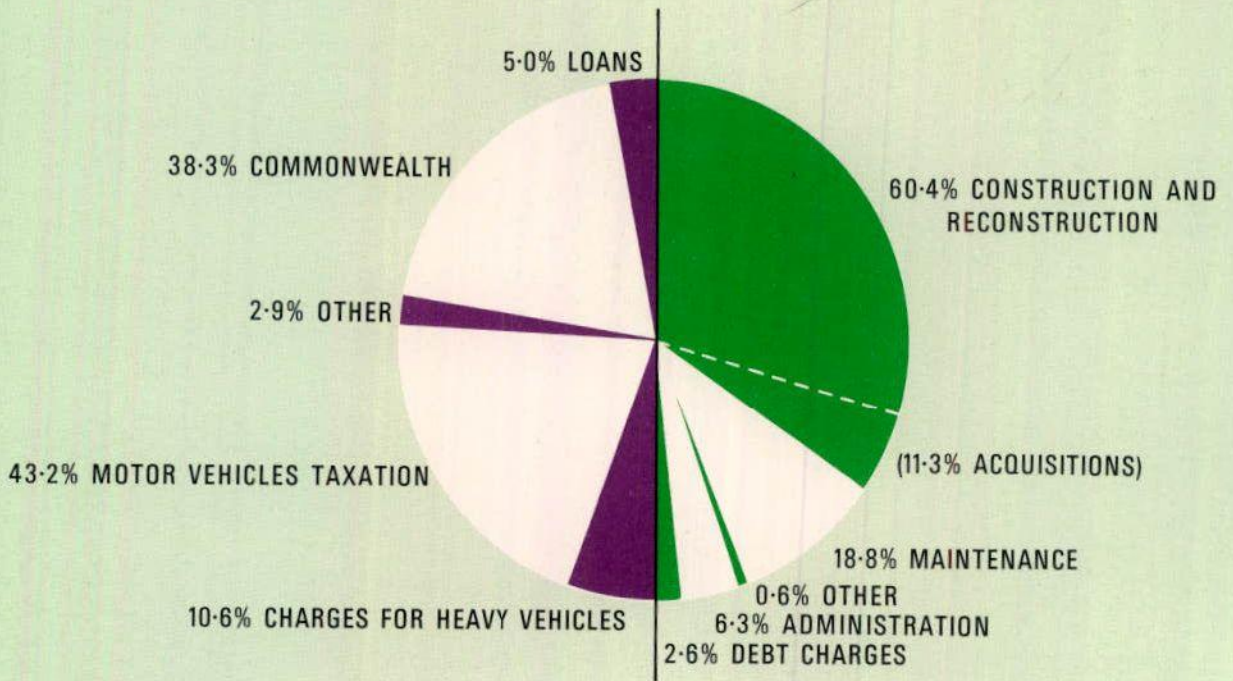
\$ MILLIONS





FUNDS 1972/73

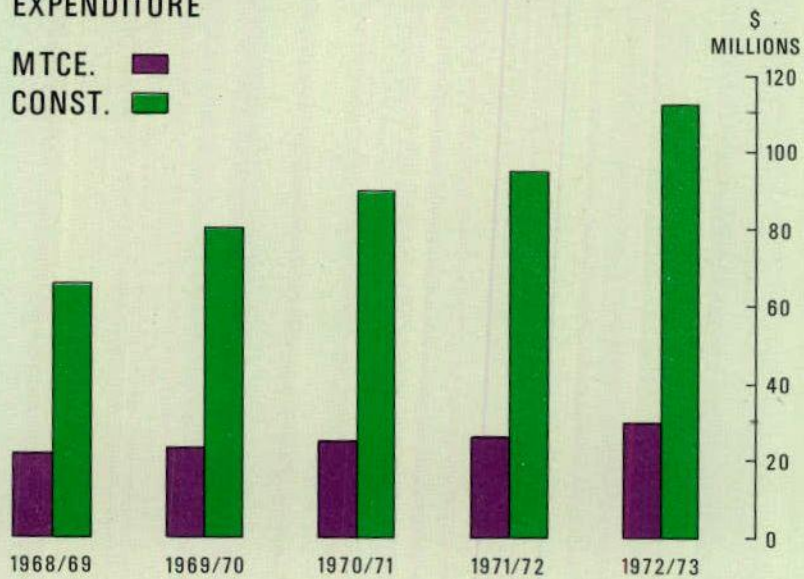
SOURCE

APPLICATION



MAINTENANCE AND CONSTRUCTION EXPENDITURE

MTCE. 
CONST. 



SYDNEY HARBOUR BRIDGE

CAPITAL INDEBTEDNESS

After taking into account sinking fund payments to the Treasury and the setting aside of revenue for repayment of private loans, the capital debt in respect of the Sydney Harbour Bridge and approaches (including the Cahill Expressway and Warringah Freeway) fell from \$20,272,575 at the end of the previous financial year to \$19,254,072 as at 30th June, 1973.

INCOME AND EXPENDITURE

The toll income of the Bridge amounted to \$4,998,637 which was \$2,853 less than the income from tolls in the previous year. The reduction was due to a falling-off in road traffic in July 1972 and January 1973 when petrol supplies were interrupted owing to industrial disputes in the petroleum industry.

Expenditure was \$4,264,155 or \$317,510 in excess of expenditure in 1971/72. This increase was due mainly to rises in the cost of maintenance, toll collecting expenses and provision of traffic facilities.

The sources of income and the main items of expenditure are illustrated in the above diagram.

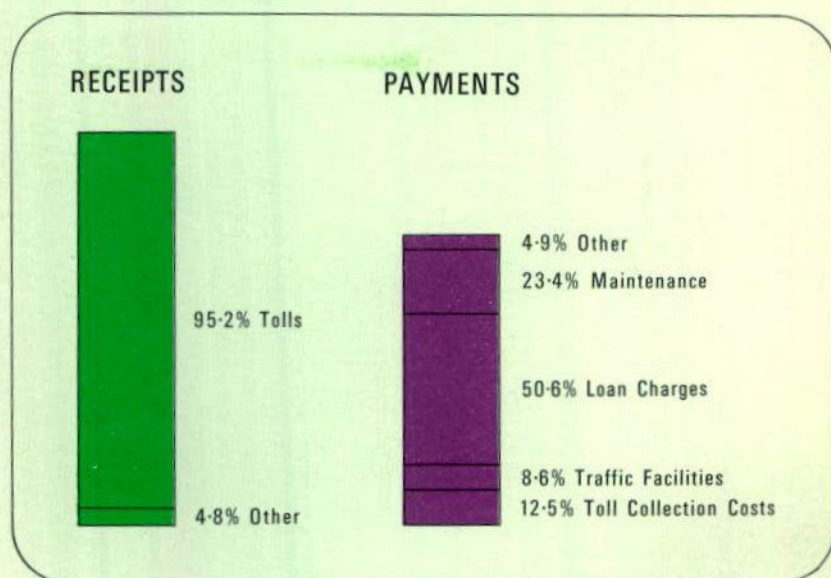
TRAFFIC

The approximate number of road vehicles (including omnibuses) which crossed the Bridge during the year totalled 50 million, consisting of 24 million southbound and 26 million northbound vehicles. Approximately 25.6 million passengers crossed the Bridge by rail and approximately 11 million by omnibus.

The revenue received from the users of each class of transport was as follows:—

	Toll Collections \$	Percentage of Total %
Road Vehicles (excluding omnibuses)	4,691,485	93.9
Railway Passengers	282,408	5.6
Omnibus Passengers	24,744	0.5
	<u>4,998,637</u>	<u>100.0</u>

The annual average daily traffic volume on the Sydney Harbour Bridge increased by 1.1% over the volume of the previous year to 136,200 vehicles per day. The



highest volume recorded on any one day during the year was 171,940 vehicles on 19th April, 1973, the eve of the Easter Public Holidays.

Average peak-hour flows in the direction of major flow decreased by about 1.6% for both the morning and evening peak periods, over the corresponding flows recorded during 1971/72. For the morning peak periods the average peak-hour flow was 10,050 vehicles, and for the evening peak periods the average peak-hour flow was 9,420 vehicles.

In the direction of minor flow, the average peak-hour flow for the morning peak periods remained much the same as that recorded during 1971/72. For the evening peak periods, the average peak-hour flow decreased by 1.8% over the flow of the previous year. The average peak-hour flows in the minor direction were 3,230 vehicles per hour in the morning peak periods and 3,290 vehicles per hour in the evening.

The highest flows recorded in the direction of major flow were 10,800 vehicles per hour in the morning peak periods and 10,400 vehicles per hour in the evening peak periods. In the direction of minor flow, the highest flows recorded were 3,550 vehicles per hour in the morning peak periods and 3,650 vehicles per hour in the evening.

MAINTENANCE

The fifth repainting of the Sydney Harbour Bridge was continued throughout the year.

The area of steelwork covered in a complete repainting is 580,000 sq. yds. of which an area of 71,000 sq. yds. was painted during the year, completing 97,000 sq. yds. of the fifth repainting.

The cleaning of the granite facing of the piers and pylons below deck level has been continued throughout the year.

Routine inspection and maintenance of steelwork, cranes, lifts and other mechanical equipment was continued.

Routine inspection and maintenance of lighting, flood-lighting and all electrical equipment was continued throughout the year.

There was a re-arrangement of traffic lanes and new toll booths were brought into use with the opening of the Western Distributor to traffic.

STATEMENT OF RECEIPTS AND PAYMENTS
for the Year Ended 30th June, 1973

RECEIPTS

Motor vehicle taxation	
Charges on commercial vehicles under the Road Maintenance (Contribution) Act, 1958	
Levy upon Councils in accordance with Section 11 of the Main Roads Act, 1924	
State Government Loans—Repayable	
Loan Borrowings under Section 42A of the Main Roads Act, 1924	
Contributions by Councils towards maintenance and construction of Main and Secondary Roads	
Contributions by other departments and bodies towards maintenance and construction of Main and Secondary Road	
Commonwealth/State Government Grant for Relief of Unemployment	
Sydney Harbour Bridge Account for freeway approaches	
Commonwealth Aid Roads Act, 1969—	
Urban Arterial Roads — Schedule 2	
Rural Arterial Roads — Schedule 3	
Other Rural Roads — Schedule 4	
Planning & Research — Schedule 5	
Other	

Total Receipts

PAYMENTS

Construction and reconstruction of roads and bridges	
Construction and maintenance of unclassified roads in the unincorporated area of the Western Division	
Land acquisition	
Maintenance and minor improvements of roads and bridges	
Restoration of flood damage	
Purchase of land and buildings for works operations	
Administrative expenses	
Purchase of land and buildings for administration	
Planning and research	
State Treasury Loans—	
Sinking fund payments	
Interest, exchange, management and flotation expenses	
State Treasury—Repayment of temporary advance	
Loan Borrowings under Section 42A of the Main Roads Act, 1924—	
Repayment of principal	
Interest	
Other	

Transfers to reserve for loan repayments	
Net transactions of operating and suspense accounts	

Total Payments

County of Cumberland Fund	Country Fund	Commonwealth Fund	Total 1972/73	1971/72
\$	\$	\$	\$	\$
21,145,953	53,268,645		74,414,598	55,950,201
3,663,187	14,652,750		18,315,937	17,686,959
311,130	—		311,130	5,890,275
750,000	750,000		1,500,000	2,000,000
6,275,000	800,000		7,075,000	6,800,000
335,506	89,141		424,647	645,300
91,297	559,489		650,786	775,775
276,300	1,609,958		1,886,258	655,000
334,315	—		334,315	56,883
		46,520,000		39,060,000
		14,780,000		12,410,000
		3,493,632		3,326,617
		1,280,000		1,120,000
1,115,947	219,695		66,073,632	1,020,309
			1,335,642	
<u>34,298,635</u>	<u>71,949,678</u>	<u>66,073,632</u>	<u>172,321,945</u>	<u>147,397,319</u>
14,304,780	29,745,774	51,784,054	95,834,608	82,267,202
—	—	162,605	162,605	195,783
7,055,670	1,779,912	9,154,630	17,990,212	15,116,415
5,817,945	24,137,917		29,955,862	26,364,308
—	—		—	475,456
542,848	309,628		852,476	1,061,851
3,762,122	6,187,337		9,949,459	9,413,473
88,684	484,358		573,042	211,969
169,831	223,616	1,280,000	1,673,447	1,741,592
17,000	181,823		198,823	188,200
201,370	949,127		1,150,497	1,115,980
—	—		—	200,000
197,479	186,916		384,395	348,584
694,857	1,124,976		1,819,833	1,758,074
244,016	469,305		713,321	862,318
<u>33,096,602</u>	<u>65,780,689</u>	<u>62,381,289</u>	<u>161,258,580</u>	<u>141,321,205</u>
290,850	338,176	—	629,026	309,188
390,168 Cr.	2,448,045 Cr.	—	2,838,213 Cr.	1,272,212
<u>32,997,284</u>	<u>63,670,820</u>	<u>62,381,289</u>	<u>159,049,393</u>	<u>142,902,605</u>

FREEWAY CONSTRUCTION

Freeways have been subjected to much controversy in the past twelve months but the need for them remains. Much of the criticism of freeways arises from the necessity to acquire properties in established urban areas and the impact of these acquisitions on people who have lived in such localities for varying periods and do not wish to move.

The Department endeavours to fully compensate people whose properties are acquired. In cases where any type of hardship might result from the move, officers in the Department are authorised to discuss assistance necessary to minimise the hardship.

The availability of land may affect priorities for construction of freeways. Other factors which may affect freeway priorities include changes in centres of population distribution and new plans for the provision of public transport facilities.

Two large freeway projects were opened to traffic during the year and considerable progress was made towards the completion of two other freeway projects.

F3—North Western Freeway

The Department continued work on the section of the North Western Freeway between Druitt Street City and Bridge Road Glebe. The Department's work during the year was limited to the installation of structure foundation by its forces in the Department of Railway's Darling Harbour Goods Yard.

It is expected that the foundations and piers will be completed early in January 1975. It is also expected that a contract will be let for the superstructure over Darling Harbour Goods Yard about mid-1974 to permit the opening of the first stage of this section in 1977/78.

F4—Western Freeway

The Department completed the construction of a section of the Western Freeway from Bringelly Road to Wallgrove Road. This nine mile section was officially opened to traffic on 20th December, 1972. The cost of the work was \$12.1 million, including bridgeworks at nine sites. The pavement on the freeway was the first in Australia on which the Dual Lane Automatic Trimmer Spreader was used.

Including the previously opened section from Russe Street, Emu Plains, to Wallgrove Road, the Western Freeway is now open to traffic along a 12 mile route with a maximum speed limit of 70 m.p.h. over much of the distance. Motorists can join or leave the freeway at Wallgrove Road, Bringelly Road and Russell Street. The Department is extending the freeway easterly to Prospect and it is planned to extend it eventually from Sydney to the lower Blue Mountains.

F5—South Western Freeway

The section of the South Western Freeway at present under construction runs for a distance of approximately 9½ miles, south of State Highway No. 2—Hume Highway—from near Cross Roads to Camden Road (M.R. 178). This length will be of considerable assistance in the planning and development of Campbelltown as a satellite city.

Between the Hume Highway at Prestons and Campbelltown Road (M.R. 177) at 31.8 miles from Sydney construction is nearing completion.

The next section of the South Western Freeway to be commenced will be located between Yerrinbool and Aylmerton, a length of approximately 4.8 miles.

F6—Southern Freeway

Construction continued, partly with the Department's own forces and partly by contract, on the section of the Southern Freeway between Waterfall and Bulli Pass and on a continuation of the freeway south of Wollongong between Gladstone Avenue, Fig Tree and Northcliffe Drive, Berkeley.

The Waterfall to Bulli Pass section will be a Tollwork and is expected to be completed early in 1974. The area north of Bulli Pass is subject to heavy fogs and the design of the freeway will incorporate special traffic signals and warning signs to assist motorists.

On a three mile section south of Wollongong, thirteen major bridges are required to cross a number of important roads and railway lines.



(Below left)

The Department is now featuring colour on many new bridgeworks, for example this brilliant yellow on Bringelly Road over-bridge crossing the Western Freeway.

Southern Freeway under construction at Masters Road interchange, Fig Tree. Thirteen major bridge works are required on this three-mile section.



F6—Western Distributor

Work was completed during the year on Stage I of the Western Distributor which extends from the southern Toll Plaza of the Sydney Harbour Bridge to Day Street between Erskine and King Streets.

The major portion of the work consisted of a four lane reinforced concrete viaduct on an upper level and a two lane ramp on a lower level. Many ancillary services were provided for the public.

The majority of the work was completed by contract over a period of three years.

Kings Cross Road Tunnel

Work continued during the year on the construction of the Kings Cross Road Tunnel Project.

The project will provide a direct flow for four lanes of traffic between Bayswater Road near Nield Avenue and William Street, City, through a 900 feet long tunnel.

The project includes the construction of the tunnel with ancillary works, roads within the tunnel and adjustment of numerous side streets. Two road bridges and one footbridge are included in the project.

The bridge at Craigend Place has been completed by contract. The eastern half of the bridge at Victoria Street was completed during the year by the Department's forces. Fifty percent of the side street roadworks has been completed.

A contract for the construction of the tunnel and ancillary works including the footings for air space development was let late in the year 1972/73.

FUTURE PROJECTS

F1—Warringah Freeway

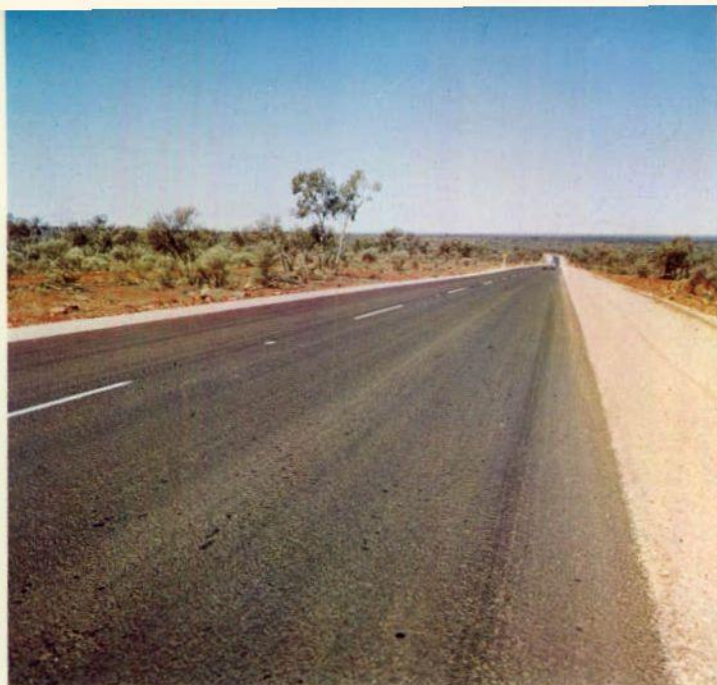
Acquisition of land has been proceeding during the year and it is expected that the first stage in the extension of the Warringah Freeway will commence in 1973/74. It will include approximately 4,000 feet of roadworks between Miller Street and Willoughby Road with bridges at West Street, Brook Street and Merrenburn Avenue. It is scheduled for completion towards the end of 1975.

F7—Eastern Freeway at Bondi Junction

In conjunction with the opening of the Eastern Suburbs Railway Station at Bondi Junction the Department proposes to construct that section of the Eastern Freeway necessary to carry through traffic past Bondi Junction. The Freeway will be in viaduct for most of the length. Acquisitions of land have been proceeding during the year and the work is scheduled to commence in 1974.

Eastern Distributor Underpass

The extension of the Cahill Expressway to the Eastern Freeway passes under William Street. Acquisition of properties has been proceeding during the year and the Department is planning to commence the construction of William Street Underpass in 1974.



ROAD CONSTRUCTION

COUNTY OF CUMBERLAND

Through the year a programme aimed at the continued improvement to the Main Roads in the County of Cumberland was pursued. Major works carried out included the following:—

New Crossing of the Georges River at Alford's Point

Construction of the approaches to the new bridge being built over the Georges River to connect Menai and Padstow, and the connection from the northern approach onto Henry Lawson Drive were nearing completion.

Princes Highway

The Department completed the construction of a deviation between Farnell Avenue, Loftus and Old Bush Road, Engadine, including a new bridge over the South Coast Railway to replace an old bridge on a narrow winding alignment.

Work continued on the construction of dual carriageways between Heathcote and Waterfall to connect with the Waterfall-Bulli Tollwork which was also under construction. Work was also undertaken on the Highway and the local streets of Waterfall in conjunction with grade separation for traffic using The McKell Avenue.

Construction of a pedestrian underpass was completed at Engadine Station. This included adjustments to railway buildings and was associated with the construction of the deviation of the Highway at Engadine which was completed recently.

Hume Highway

The construction of kerbside lanes and associated drainage work was completed between the Cooks River and Stacey Street, Greenacre.

The Department commenced construction at the intersection with the Campbelltown Road (Main Road No. 177) together with reconstruction of both the highway and Campbelltown Road to provide for dual carriageways between the intersection (Cross Roads) and the South-Western Freeway.

Construction was well in hand on the northern approach and deviation leading to the new Macarthur Bridge over the Nepean River at Camden and on the junction with Main Road No. 178 at Narellan.

Great Western Highway

Work was nearing completion on the construction of dual carriageways between the Prospect Deviation and St. Marys, which was opened to traffic previously.

Bringelly Road, Kingswood

The Department completed reconstruction of the section from the crossing of the Western Freeway northwards to Maxwell Street.

Mulgoa Road, Penrith

Penrith City Council commenced reconstruction on the section between Batt Street and Rodley Avenue to provide a wider pavement on an improved alignment.

Old Northern Road

Baulkham Hills Shire Council was well advanced with reconstruction and widening of the pavement to four lanes between Cross Street and Kerrs Road, Baulkham Hills.

Ryde Road and Lane Cove Road

Reconstruction to provide dual carriageways from Yanko Road, West Pymble to the Pacific Highway continued, and a section between Cadow Street and Cross Street was completed by the Department. At North Ryde a section was completed between Giffnock Avenue and Fontenoy Street.

Military Road, Spit Road, Pittwater Road and Barrenjoey Road

Reconstruction and widening of Military Road continued and six lanes were made available to traffic between Paling Street and Spit Junction, while work continued between Bickell Road and Ida Avenue. Between Mona Vale and Newport reconstruction and widening to six lanes continued and work was almost completed between Darley Street and Bardo Road.

Windsor Road and Bells Line of Road

Construction of the approaches to the new bridge over

Far left)

newly bitumen sealed surface on the Barrier Highway (S.H.8) at MacCulloch's Range.

A deviation of the Mitchell Highway (S.H.7) 35 miles west of Bathurst, near Shadforth.

First Ponds Creek, near Box Hill, was nearing completion and work was completed on the construction and widening to six lanes in Macquarie Street, Windsor.

Rydalmere Avenue and Parramatta By-Pass

Work commenced on widening Rydalmere Avenue to six lanes between Tennyson Street and Kissing Point Road. This road forms part of a proposed route which will by-pass Parramatta to the north and join with Windsor Road at Northmead. Construction on a section of new road between Kissing Point Road and Pennant Hills Road also was commenced.

Warringah Road

The Department continued with reconstruction and widening between Pittwater Road and Beacon Hill and work was in hand eastwards from Alfred Street.

Wentworth Avenue

Construction of dual carriageways from Southern Cross Drive to Corish Circle was continued and the section eastwards from Bay Street to Corish Circle was substantially completed.

Epping Road

Construction of dual carriageways between Shrimptons Creek and near Terrys Creek, and of a four lane

carriageway from Terrys Creek to Crandon Road was completed. Work commenced on the construction of a four lane carriageway from Crandon Road to the railway overbridge at Epping.

Wallgrove Road

Between the Great Western Highway and the Western Freeway construction of a second carriageway was completed and reconstruction and widening commenced for a length of one mile south from the Freeway. Reconstruction between The Horsley Drive and the Army Camp was practically completed.

Eastern Valley Way

Reconstruction and widening between Sailor's Bay Road and Boundary Street to provide a four lane carriageway was completed.

Richmond Road (Blacktown)

Blacktown Municipal Council commenced reconstruction from Blacktown railway overbridge to Kent Street.

River Road (Revesby)

Bankstown Municipal Council continued the reconstruction of River Road between Milperra Road and Henry Lawson Drive and work was in progress between Tower Street and Ferndale Road.

COUNTRY

Major works completed or in progress on State Highways in the country included:—

Princes Highway

The Department continued with construction of deviations at Mullet Creek, about six miles south of Wollongong and at Parma Creek, about five miles south of Nowra, both of which include the provision of new bridges. The deviation at Mullet Creek has already been opened to traffic.

Work was completed on a new deviation at Quaama, 31 miles south of Narooma.

The Department continued work on the first stage of a by-pass, 2.1 miles long, at Bega which ultimately will provide a flood-free route around the town. The work includes a new bridge over the Bega River and this is now under construction by contract.

Reconstruction was commenced on a 2½ mile length north of Wolumla. This is the first section of a proposed work which will improve the alignment between Bega and Wolumla.

Construction of a deviation from Boydtown, south of Eden, to Kiah was completed. This work has eliminated three miles of narrow winding road.

Hume Highway

The Department continued with construction of the approaches to the new bridge over the Nepean River at Camden and part of the approaches has been opened

to traffic. The work will provide widened and flood-free alignment with dual carriageways from north of the river to the start of Razorback Range, a length of approximately three miles.

On the Razorback Range extensive work was carried out on resurfacing and the control of land slips, over a length of about four miles.

Reconstruction and improvements south of Bargo Bridge were continued over a two-mile length and similar improvements were completed at Comfort Hill, seven miles south of Berrima.

Construction of dual carriageways over a further length of nearly five miles, south of Marulan was almost completed and preliminary work was commenced on an adjacent length of 4¾ miles.

The Department continued with construction of a deviation to provide dual carriageways around the village of Bowning, west of Yass and work commenced on the extension of these dual carriageways towards Yass.

Reconstruction continued immediately south of Holbrook which will provide a further length of almost four miles of dual carriageways.

Reconstruction of the northern approach to Albury was completed with the application of the final seal over a section almost a mile long.

Snowy Mountains Highway

The Department continued with reconstruction and bitumen surfacing between Kiandra and Inspiration Point, a length of 29½ miles. Lengths totalling almost 28 miles have now been completed and the remainder should be completed shortly.

ROAD CONSTRUCTION—Continued

Great Western Highway

The Department completed construction eastwards from the junction with Trunk Road No. 55, west of Lithgow, including the approaches to a new bridge over the railway line at Marrangaroo which replaces an old narrow bridge. This work has provided dual carriageways for a length of 1.3 miles.

Work continued on the construction of a three mile deviation at Kirkconnel, about 23 miles west of Lithgow, and half the length was opened to traffic. The Department also commenced work on a further deviation at Diamond Swamp, about 21 miles west of Lithgow, which will include the provision of climbing lanes for slow moving vehicles.

Mid Western Highway

The Department continued work on reconstruction west of Blayney and the first seven miles have been completed. Work has commenced on a two-mile deviation around the town of Carcoar. This work will include two grade-separated intersections and a new bridge over Belubula River which will by-pass the present old, narrow bridge located on poor alignment in the middle of the town.

Mitchell Highway

The Department continued with reconstruction on the nine mile length between Copper Hill overbridge and Three Rivers Bridge north of Molong. Reconstruction and pavement widening was completed over a six mile length between 14 miles (at Geurie) and 20 miles west of Wellington.

Northwards from Bourke, the Department continued with reconstruction to provide a dust-free pavement to the Queensland border. The whole length has now been bitumen surfaced and work was in progress on widening a 14 mile length of narrow pavement just north of Bourke.

Barrier Highway

During the year the Department completed construction and bitumen surfacing of the MacCulloch's Range deviation between 22 miles and 51 miles east of Wilcannia. With the completion of this work a bitumen surface is now provided for the full distance from Sydney to Broken Hill and the South Australian border.

Work commenced on reconstruction of the existing pavement and the elimination of dips and causeways westwards from Broken Hill towards the South Australian border.

New England Highway

The Department continued construction on a length of two miles between 14 and 16 miles west of Newcastle. This work is associated with the construction of twin bridges over Four Mile Creek and forms part of the extension of dual carriageways from Newcastle towards Maitland.

Work continued on reconstruction and bitumen surfacing from Long Bridge, Maitland, to Tally Ho Park in Rutherford.

Reconstruction including the provision of a climbing lane was nearing completion from Flaggy Gully to Sugarloaf Range, about 31 miles north of Murrurundi, and work was continuing on reconstruction 41 miles to 43½ miles north of Murrurundi.

Reconstruction and bitumen surfacing for five miles south from Uralla was almost completed and work was commenced on a short length into the town.

The Department continued with the reconstruction and bitumen surfacing between 8 miles and 11 miles north of Glen Innes and commenced work on a new deviation about 9 miles north of Tenterfield which will form the approaches to a new bridge over the railway line.

Pacific Highway

The Department commenced construction of dual carriageways between South Belmont and Marks Point 13½ miles to 14½ miles south of Newcastle, and work

Reconstruction on Oxley Highway (S.H.11), 23 miles east of Walcha.



continued on the construction of a climbing lane and widening of the existing pavement 2½ miles to 6½ miles north of Bulahdelah.

Work continued on the construction of major deviations between Telegraph Point and Smiths Creek which will replace the present tortuous route through the Cooperabung Range, about 60 miles north of Taree. Construction was commenced on a deviation to the south of the new bridge over the Wilson River, while work continued on other sections of the deviation to the north of the river.

Construction was resumed on a deviation over two miles long immediately north of Macksville, which will include a new bridge at Newee Creek.

Work continued on reconstruction north of Coffs Harbour, including deviations to replace substandard alignment.

Sections approximately 5 miles north and 15 miles north of the town were opened to traffic during the year. Reconstruction was continuing also six to twelve miles north of Ballina and a length of two miles was completed.

North of Murwillumbah a deviation one mile long was opened to traffic at Tumbulgum, by-passing the village and replacing a narrow winding section of road. Work commenced on reconstruction of the existing carriageway and the provision of a second carriageway between nine miles and 12 miles north of Murwillumbah.

Oxley Highway

The Department continued with reconstruction and bitumen surfacing between Wauchope and Walcha, and a continuous sealed pavement is now provided for approximately 70 miles westwards from Port Macquarie and 25½ miles eastwards from Walcha. Work commenced on the construction of a deviation and on reconstruction and widening of the existing formation over sections of the length still remaining to be bitumen surfaced.

Peel Shire Council has been carrying out reconstruction and bitumen surfacing 18 miles to 19 miles west of Tamworth and this work was nearing completion.

Liverpool Plains Shire Council completed reconstruction of a section 4 miles to 7 miles west of Gunnedah. Between Warren and Nevertire the Department continued with reconstruction and a further length of 4 miles was completed. Work was continuing on further lengths including the approaches to a new bridge which is under construction at Gunningbar Creek.

Gwydir Highway

Reconstruction and bitumen surfacing continued along several lengths. Inverell Municipal Council commenced work on a section one mile long immediately west of Inverell while Yallaroi Shire Council commenced work on the narrow section westwards from Gravesend.

The Department continued with work between 29 miles and 32 miles west of Moree.

Several parking areas for heavy vehicles were completed between 44 miles and 56 miles east of Glen Innes and two view points were completed 41 and 51 miles east of Glen Innes.

Sturt Highway

Reconstruction was in progress between 3 and 5 miles west of Wagga Wagga, including a channelised intersection with Trunk Road No. 78 (The Olympic Way).

The Department continued the reconstruction and

bitumen surfacing of two sections from 12 to 19 miles west of Hay, and from 51 to 71 miles west of Hay. Work on the first section included stabilisation of pavement materials using cement, lime and foam bitumen.

Work was proceeding on widening and strengthening the existing pavement and formation on several sections between Balranald and Euston and for four miles eastwards from Balranald. At Balranald the approaches to the new bridge over the Murrumbidgee River were opened.

Bruxner Highway

Tomki Shire Council commenced construction on raising the formation above flood level and improving the alignment 30 miles to 32 miles west of Ballina and a length of one mile was completed.

Tenterfield Shire Council continued with reconstruction and bitumen surfacing over the length 23 miles to 32 miles west of Tenterfield.

The Department continued with reconstruction and bitumen surfacing between Tenterfield and Bonshaw. Work commenced on one section 20 to 27 miles east of Bonshaw and continued on another section 14 to 20 miles east of Bonshaw.

Ashford Shire Council continued with reconstruction and bitumen surfacing 3 miles to 9 miles west of Yetman, while Yallaroi Shire Council was working on the section 11½ miles to 19 miles west of Yetman.

Newell Highway

Reconstruction and bitumen surfacing 39 miles to 42 miles north of Peak Hill, in the approaches to Dubbo was nearing completion.

The Department proceeded with reconstruction of further sections to the north of Moree.

Castlereagh Highway

The Department continued with reconstruction north of Walgett. A length of 4½ miles from 38 miles to 42½ miles was completed and reconstruction preparatory to bitumen surfacing was in progress from 42½ miles to 45 miles north of Walgett.

Monaro Highway

The Department continued reconstruction 32 miles to 35 miles south of Canberra and two miles of the length were completed and open to traffic.

Bibbenluke Shire Council continued with reconstruction south of Bombala. A short length immediately south of the town, including the intersection with Trunk Road No. 93, was completed while work was in hand 10 to 11 miles south and 19 miles to 22½ miles south of Bombala approaching Delegate.

Cobb Highway

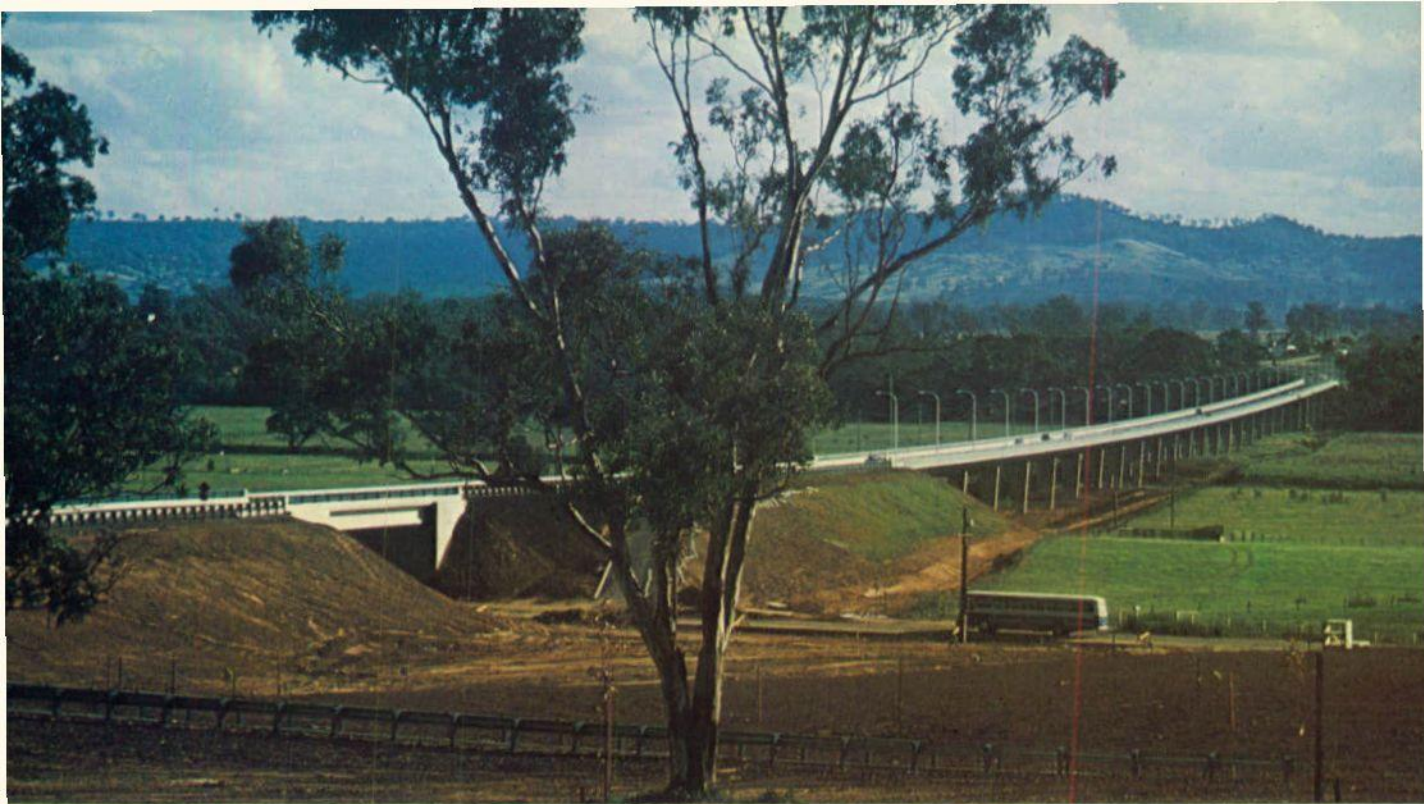
The Department completed reconstruction on a section between 14 miles and 16 miles north of Moama and work continued on a section from 10 to 14 miles.

At South Hay a roundabout-type intersection, one of the few of its kind in the State, was completed at the intersection with the Sturt Highway.

Work commenced on reconstruction and bitumen surfacing for the first eight miles south of the intersection with the Barrier Highway, south of Wilcannia.

Illawarra Highway

The Department completed reconstruction and provision of a climbing lane for heavy vehicles on two sections of Macquarie Pass and reconstruction of damaged pavement in Robertson was completed.



BRIDGE CONSTRUCTION

During the year fifty-five bridges, two pedestrian structures and sixty-two "bridge size" box culverts, i.e. with a waterway width of twenty feet or more, were made available for traffic. In addition, widening works were completed on ten bridges, two of which were widened for extra lanes and five structures were extended in length.

At the end of the year, 109 bridges, 56 culverts and one pedestrian structure were under construction, or completed, but not opened to traffic. In addition, widening of eight structures was in hand, extra lanes being provided in three cases, and modification to the superstructure of one bridgework was in hand. Of these 175 bridgeworks, 50 were completed at the end of the year, but were not opened to traffic.

The number of structures completed and the classification of the roads on which they were located is:

	Bridges	Bridge size culverts	Pedestrian structures	Widening extra lanes	Extensions
Freeways	13	5	—	—	—
State					
Highways	16	16	2	—	2
Trunk					
Roads	8	10	—	—	3
Ordinary					
Main					
Roads	15	20	—	2	—
Developmental and Unclassified					
Roads	2	11	—	—	—
Country Roads (future Main Roads)	1	—	—	—	—
Tourist Roads	—	—	—	—	—
	55	62	2	2	5

Of the completed bridges, 35 were built by the Department (20 by contract), 19 by Councils (14 by contract) and one by the Department of Railways.

Twenty-two of the culverts were built by the Department (five by contract) and 50 by Councils (ten by contract).

Of the remaining nine structures, which includes extensions, widenings for extra lanes and pedestrian structures, five were built by the Department (one by contract) and four by Councils (one by contract).

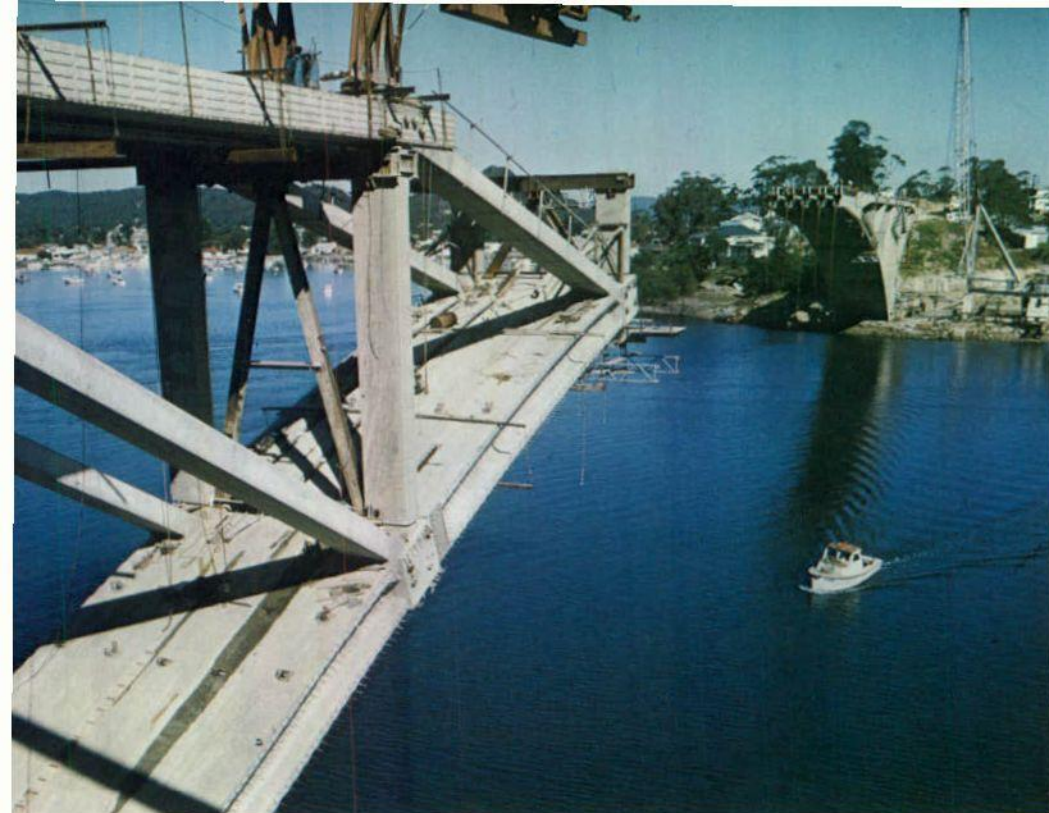
Some of the principal bridgeworks completed during the year and opened to traffic included:—

Viaduct Structure—Western Distributor
Construction of the first stage of the Western Distributor south of Sydney Harbour Bridge was completed. This viaduct is a reinforced concrete box girder structure supported on reinforced concrete columns up to 74 feet high. The first stage, 2,040 feet long, provides two traffic lanes in each direction.

Wallgrove Road—Western Freeway
Partly with the Department's forces and partly by contract a four-span prestressed concrete bridge was completed to carry Wallgrove Road over the Western Freeway. The new structure, 261 feet long, provides three traffic lanes and one footway.

Chatsworth Road, Mount Druitt—Western Freeway
Partly with direct labour forces and partly by contract a four span prestressed concrete bridge was constructed to carry Chatsworth Road over the Western Freeway. The new structure, 311 feet long, provides two traffic lanes and one footway.

Roper Street, St. Marys—Western Freeway
The Department completed construction of a four span prestressed concrete bridge to carry Roper Street over the Western Freeway. The new structure, 290 feet long, provides three traffic lanes and one footway.



(Far left)
The Macarthur Bridge over the Nepean River at Camden, situated on a deviation of the Hume Highway (S.H.2) is the second longest bridge in New South Wales.

Under construction, a new bridge over Brisbane Waters at The Rip.

Bennett Road, St. Marys—Western Freeway

A new four span prestressed concrete bridge 261 feet long providing two traffic lanes and one footway was constructed to carry Bennett Road over the Western Freeway.

St. Andrews Road—South Western Freeway

Construction of a three span prestressed concrete bridge to carry St. Andrews Road over the South Western Freeway was completed by contract. The new structure, 364 feet long, provides two traffic lanes and one footway.

State Highway No. 2 at Prestons—South Western Freeway

Construction of a three span prestressed concrete bridge to carry State Highway No. 2 over the South Western Freeway was completed by contract. The new structure, 280 feet long, provides two traffic lanes and one footway.

Berkeley Road—Southern Freeway

Construction of a three span composite steel and prestressed concrete bridge to carry Berkeley Road over the Southern Freeway was completed by contract. The new structure, 217 feet long, provides two traffic lanes and one footway.

Flagstaff Road—Southern Freeway

Construction of a three span composite steel and prestressed concrete bridge to carry Flagstaff Road over the Southern Freeway was completed by contract. The new structure, 217 feet long, provides two traffic lanes and one footway.

Loftus Railway Overbridge—State Highway No. 1—Princes Highway

The Department completed construction of a single span prestressed concrete bridge over the South Coast Railway Line at Loftus. The new structure, 119 feet long,

provides four traffic lanes and replaced a timber beam bridge 74 feet long.

Mullet Creek—State Highway No. 1—Princes Highway

Construction by contract of two prestressed concrete bridges (one of eight spans and one of four spans) to carry the Princes Highway over Mullet Creek was completed by contract. The main structure is 602 feet long and the approach structure 120 feet long. They provide two traffic lanes and one footway and together they replace two timber bridges and one reinforced concrete bridge 210 feet, 122 feet and 147 feet respectively.

Whelans Swamp—State Highway No. 1—Princes Highway

Construction of an eight span composite steel and concrete bridge over Whelans Swamp at 7.1 miles south of Eden was completed by contract. The new structure, 482 feet long, provides two traffic lanes and is part of the Kiah Deviation of the Princes Highway.

Macarthur Road—State Highway No. 2—Hume Highway

The Department completed construction (partly with its own forces and partly by contract) of a prestressed concrete bridge to carry the deviation of State Highway No. 2 over Macarthur Road. The new structure, 96 feet long, provides three traffic lanes.

Nepean River at Camden—State Highway No. 2—Hume Highway

Construction of a twenty-six span steel and concrete bridge over the Nepean River at Camden about one mile upstream of the present crossing was completed by contract. The new structure, 3,380 feet long, provides two traffic lanes and one footway. The pile foundations were constructed by the Department's own forces.

Narambulla Creek—State Highway No. 2—Hume Highway

The Department completed construction of a five span

The new bridge over the George's River at Alfords Point nears completion.



steel and concrete bridge over Narambulla Creek 42.1 miles south of Mittagong. The new structure is 203 feet long and together with the old five span steel and concrete bridge, provides four traffic lanes as part of a dual carriageway.

Marrangaroo Railway Overbridge—State Highway No. 5—Great Western Highway

The Department completed construction of a three span reinforced concrete bridge over the Main Western Railway Line at Marrangaroo. The new structure, 162 feet long, provides four traffic lanes and replaced a steel and concrete bridge 38 feet long.

Bell River at Claremont—State Highway No. 7—Mitchell Highway

Construction of a three span composite steel and concrete bridge over the Bell River at Claremont was completed by contract. The new structure, 170 feet long, provides two traffic lanes and replaced a timber bridge.

Sandy Creek—State Highway No. 11—Oxley Highway

Construction of a seventeen span prestressed concrete bridge over Sandy Creek was completed by contract. The new structure, 595 feet long, provides two traffic lanes and replaced a timber bridge 483 feet long.

Murrumbidgee River at Balranald—State Highway No. 14—Sturt Highway

Construction of a seven span composite steel and concrete bridge over the Murrumbidgee River at Balranald was completed by contract. The new structure, 470 feet long, provides two traffic lanes and one footway and replaced a timber bridge 433 feet long.

Murrumbidgee River at Hay—State Highway No. 21—Cobb Highway

Construction of a six span steel and concrete bridge over the Murrumbidgee River at Hay was completed by contract. The new structure, 638 feet long, provides two traffic lanes and one footway and replaced a timber bridge 786 feet long.

Donald Street, Hamilton—Railway Overbridge—Trunk Road No. 82

The Department of Railways completed construction of a four span steel and concrete bridge over the Main Northern Railway Line at Donald Street, Hamilton. The new structure, 210 feet long, provides four traffic lanes and two footways and eliminated a level crossing.

Deep Creek—Trunk Road No. 83

Tomki Shire Council completed construction of a three span prestressed concrete bridge over Deep Creek 5.6 miles south of Casino. The new structure, 180 feet long, provides two traffic lanes and replaced a timber bridge 133 feet long.

Dragon Swamp at Cathcart—Trunk Road No. 91

The Department completed construction of a four span prestressed concrete bridge over Dragon Swamp at Cathcart. The new structure, 300 feet long, provides two traffic lanes and one footway and replaced a timber bridge 92 feet long.

Cockle Creek at Teralba—Main Road No. 217

The Department completed construction by contract of

two identical eight span prestressed concrete bridges over the North and South Arms of Cockle Creek at Teralba. Each new structure is 576 feet long, provides two traffic lanes and one footway. These bridges, together with a deviation about one mile long, replaced a timber truss bridge 342 feet long (Watkins Bridge).

Glenquarry Cut—Main Road No. 263

Mittagong Shire Council completed construction by contract of a three span prestressed concrete bridge over Glenquarry Cut which will form part of the Shoalhaven Water Supply Scheme. The new structure, 234 feet long, provides two traffic lanes.

Wingecarribee River—Main Road No. 265

Mittagong Shire Council completed construction by contract of a four span prestressed concrete bridge over Wingecarribee River. The new structure, 225 feet long, provides two traffic lanes and replaced two timber bridges each 50 feet long.

Lake Illawarra at Windang—Main Road No. 522


Construction of a widened bridge over Lake Illawarra at Windang was completed by contract. The old bridge consisted of 33/30 feet spans of timber beam superstructure on concrete piers and provided two traffic lanes. The new structure which incorporates the old concrete piers is of concrete construction and provides four traffic lanes and two footways.

Macleay River at Smithtown—Main Road No. 556

Construction of a ten span prestressed concrete bridge over the Macleay River at Smithtown was completed by contract. The new structure, 1,127 feet long, provides two traffic lanes and one footway. The bridge replaced the vehicular ferry between Smithtown and Gladstone.

Quirindi Creek at Wallabadah—Developmental Work No. 3210

Tamarang Shire Council completed construction by contract of a five span prestressed concrete bridge over Quirindi Creek at Wallabadah. The new structure is 203 feet long, provides one traffic lane and replaced a concrete causeway.



Two new bridges over Cockle Creek on a deviation of Main Road No. 217 carry the name of the bridge they replaced, "Watkins Bridge".

of steel guardrails on embankments and bridge approaches and improvements to visibility on curves. In some areas shoulders and formation were widened progressively in keeping with increases in traffic volumes. The work of improving riding conditions over a number of culverts on the Newell Highway both north and south of Moree was continued, and advantage was taken of moister weather in May to place gravel on a considerable length of the Cobb Highway north of Booligal where previously only an earth formation was provided.

Six new roadside rest areas were completed during the year; one each on the Princes Highway south of Batemans Bay; on the Hume Highway at the summit of Razorback Range; on the Mitchell Highway south of Bourke; on the Barrier Highway at MacCullochs Range, 34 miles east of Wilcannia; on the New England Highway south of Glen Innes; and on the Pacific Highway at Bangalow Creek, north of Gosford. Fifty roadside rest areas have now been completed by the Department and Councils and a further eleven have been authorised for construction.

Other roadside improvements have continued and over 12,000 trees and shrubs were planted during the year. Most of these were advanced trees supplied from the Department's nursery at Yennora. Twenty-six acres of roadside on the Southern Tollwork south of Waterfall were hydro-seeded. Seeds of nine species of native shrubs and trees were applied in a mixture consisting of wood fibre, fertilizer, bitumen emulsion and water.

During the year 11,723 miles of centre line marking, 1,167 miles of lane line marking and 3,443 miles of edge line marking were provided on roadways. With repeat marking of 9,712 miles of more heavily trafficked sections, a total of 26,045 miles of line marking was undertaken.

BRIDGES

At 1st July, 1972, there were 5,259 bridges with a total length of 559,361 feet of all types on classified roads in this State.

Bridge maintenance during 1972/73 was shared between the Department and Councils, the Department generally undertaking the work on State Highways, Ex-National and Special Subsidy works.

The work generally consisted of the replacement of worn out decking and longitudinal sheeting on timber bridges, together with the repair or replacement of damaged trusses, and members such as piles, girders and bracings.

Repainting of steel structures, timber trusses and hand-rails with regular inspections of timber, steel and concrete bridges was continued.

There were thirteen vehicular ferry crossings in which the Department was financially involved; of these four were operated by the Department's own organisation, three by contract to the Department, five by contract to Councils and one by Council's own organisation.

Funds provided by the Department for bridge maintenance and the caretaking and operation of vehicular ferries in 1972/73 totalled \$2,915,345.

MAINTENANCE OF ROADS AND BRIDGES

ROADS

Dry weather persisted in most areas except during January and February and the Department continues to ensure that the standard of maintenance on a particular road is commensurate with the type of road and the volume of traffic it carries. The increasing volumes of heavy traffic using old and narrow pavements in the rapidly developing suburbs to the south and west of Sydney continue to aggravate maintenance problems. In the County of Cumberland considerable lengths of badly deteriorating asphaltic concrete pavement were resurfaced to restore strength and riding qualities and one section of old corrugated pavement was removed and replaced with new material. Skid resistant materials were laid on several sharp curves where traffic was prone to skidding. Replacement of broken concrete slabs with new ones continued throughout the year. This type of work is becoming increasingly necessary in the Metropolitan area as the older concrete pavements fail under the combined effects of weak subgrades and the heavier traffic to which many of them are now subject.

In the country, Main Roads were maintained in a generally satisfactory manner and work was aided by the generally dry year. Although roads in some areas were severely damaged following heavy rains and flooding in January and February and extensive programmes of restoration were required, the Department and Councils have been able to restore conditions to a reasonable standard overall.

A reduction in the amount of essential maintenance needed as a result of the favourable conditions which prevailed during the year allowed for a greater length of very desirable resurfacing work to be undertaken on the older bituminous pavements.

Various minor improvement works continued to be carried out as funds permitted, such as drainage improvements to protect existing pavements, provision



The scope of the work undertaken on the Kings Road Tunnel Project seen the air.

(Below left)
A section of the Western way showing Bringelly interchange.



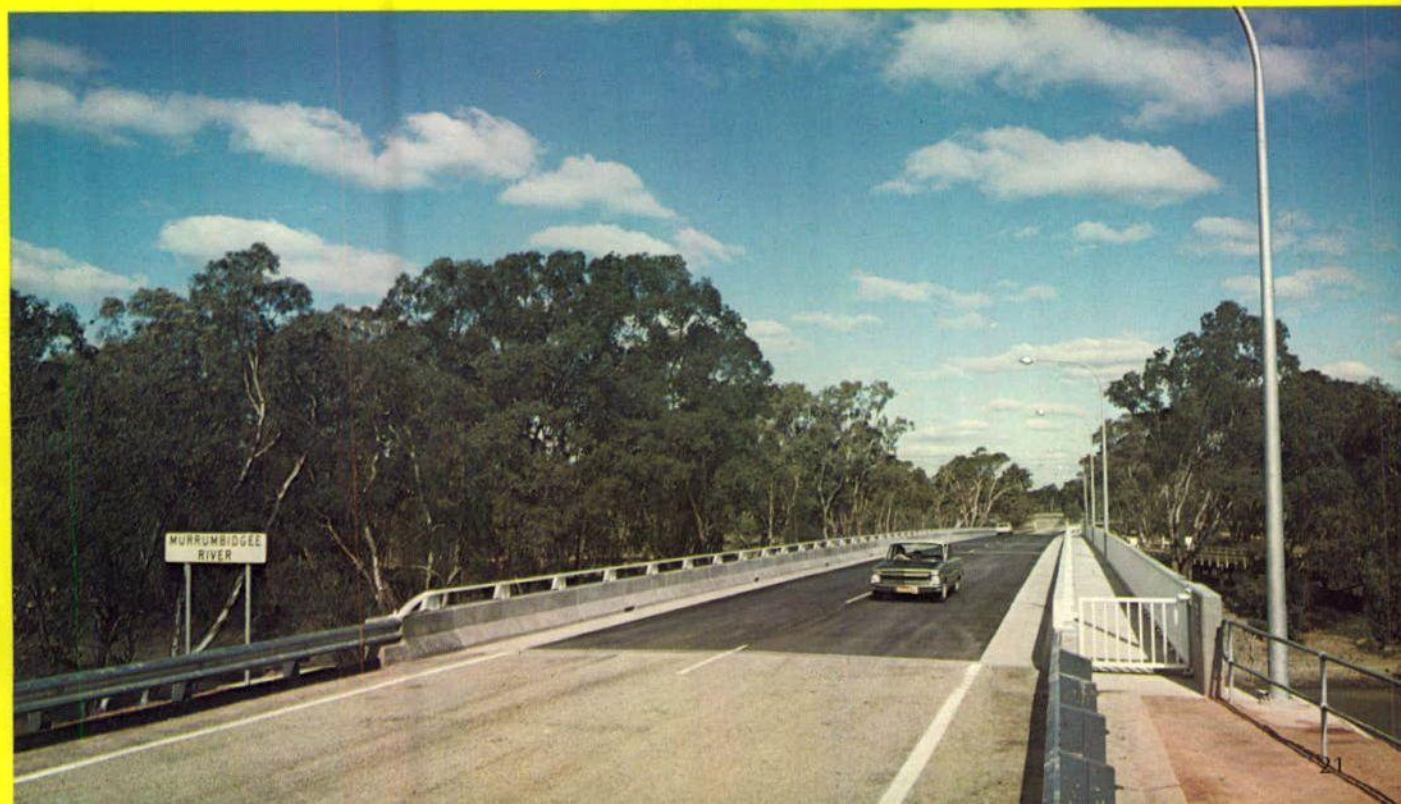
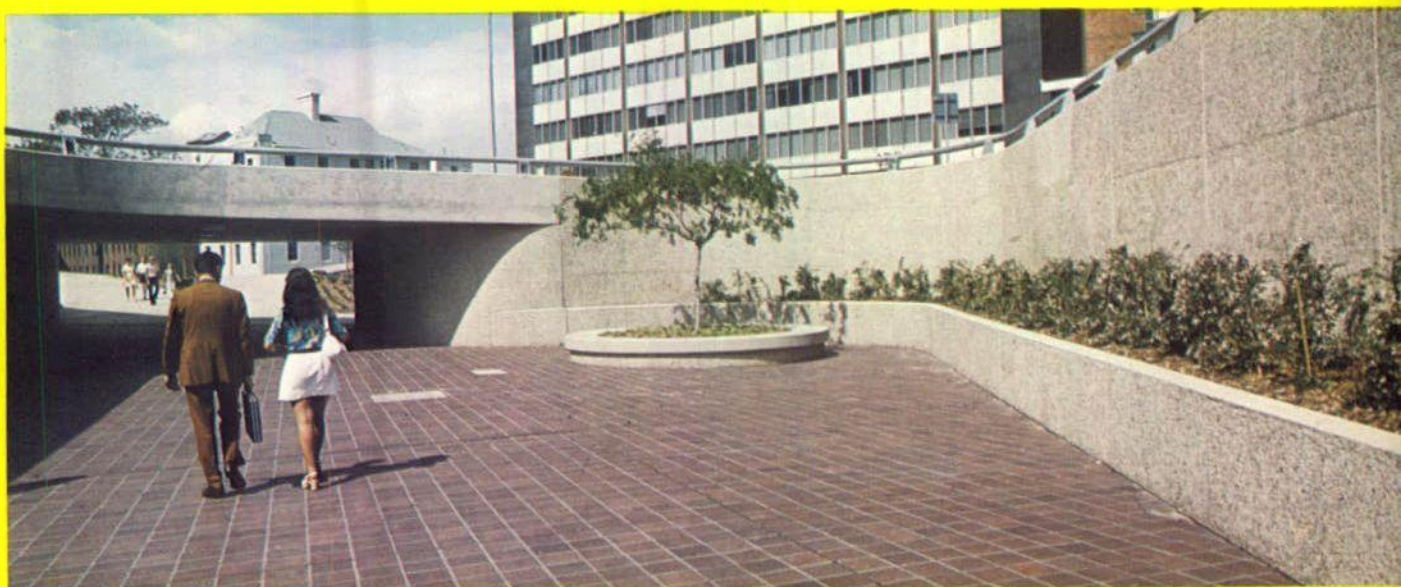
(Top right) Between York and Kent Streets, a series of pedestrian plazas have been provided to give access under the Western Distributor.

On the Sturt Highway (S.H.14) a new bridge crosses the Murrumbidgee River at Balranald.

DURING 1972/73

- Climbing lanes for slow-moving traffic were completed at 20 locations.
- Bituminous surfacing was carried out on 1,313 miles of road, including 211 miles not previously sealed.
- 126 new bridge structures were completed and opened to traffic and work was in progress on a further 166 sites.
- A total of 26,045 miles of linemarking was undertaken.
- Advisory speed surveys were carried out on 906 miles of road.
- Total expenditure amounted to over \$159 million.
- Six new roadside rest areas were completed.
- More than 217,000 tests on materials, such as soils and gravels, were carried out at Departmental laboratories.
- Some 19,055 road signs were manufactured at the Department's Central Workshop, Granville.
- Channelised facilities for traffic were completed at 25 intersections and construction was in progress at a further 17 sites.

e Year in Brief 1972-73



ROAD CLASSIFICATION AND MILEAGE

The total mileage of Freeways, State Highways, Trunk Roads, Main Roads, Secondary Roads, Tourist Roads, Developmental Roads and Unclassified Roads for which the Commissioner for Main Roads is responsible in New South Wales is 26,796 miles.

The mileages of roads within the various classifications as at 30th June, 1973, were:—

Freeways	39 miles
State Highways .. .	6,527 miles
Trunk Roads .. .	4,374 miles
Main Roads .. .	11,472 miles
Secondary Roads .. .	180 miles
Tourist Roads .. .	246 miles
Developmental Roads .. .	2,420 miles
Unclassified roads (in the unincorporated area of the Western Division) .. .	1,490 miles
Unclassified roads in the incorporated area of New South Wales .. .	48 miles

The lengths of the various types of surfaces on Main Roads throughout the State at the 30th June, 1973, were:—

Natural Surface .. .	602 miles
Formed Only .. .	4,191 miles
Gravel .. .	7,018 miles
Prime .. .	13 miles
Primer Seal .. .	297 miles
Sprayed Seal .. .	13,416 miles
Slurry Seal .. .	6 miles
Bituminous Plant Mix .. .	1,145 miles
Cement Concrete .. .	108 miles

ELIMINATION OF RAILWAY LEVEL CROSSINGS

Two railway level crossings were eliminated from the Main Roads System during the year by construction of overbridges for road traffic.

One of these bridges was on Trunk Road No. 82, Donald Street, Hamilton. The bridge was designed in the Department of Main Roads and constructed by the Public Transport Commission. The approaches were constructed by Newcastle City Council. The other bridge was on Main Road No. 295, Flinders Street, Port Kembla. The bridge design was prepared by Wollongong City Council and constructed under contract to Council. The approaches were built by Council's own forces.

Since 1925, when the Main Roads Act came into effect, 191 railway level crossings have been eliminated from Main Roads. There remain 374 crossings on Main Roads within New South Wales, comprising 321 on New South Wales Government railway lines, 42 on privately owned railways and 11 on Victorian Government railway lines which extend into New South Wales.

During the year safety conditions were improved at one level crossing by the installation of automatically operated flashing lights and warning bells, together with widening of the crossing and its approaches.

Works which effect improvements to or elimination of railway level crossings throughout the State are normally financed initially through a Special Level Crossing Fund, administered through an Inter-Departmental Committee. The fund is a revolving one and all moneys paid from it are repaid by the contributing authorities in agreed proportions for each work, the Department being a major contributor in the case of works on Main Roads. During the year the working capital in the fund was increased considerably by the Treasury in view of the increasing complexity and rising costs associated now with most works.

A section of reconstruction between 3 to 8 miles west of Blayney on the Mid Western Highway (S.H.6).



BITUMINOUS SURFACING

The total length of dustless surface on the Freeways, State Highways, Main Roads, Secondary Roads, Tourist Roads, Developmental Roads and Unclassified Roads for which the Commissioner for Main Roads is responsible in New South Wales is now 14,985 miles, an increase of 215 miles over the last year.

Bituminous surfacing work was carried out on:—

Freeways	18 miles
State Highways	610 miles
Trunk Roads	183 miles
Main Roads	491 miles
Secondary Roads	9 miles
Tourist Roads	8 miles
Unclassified Roads	3 miles

The total length of surfacing completed was 1,322 miles which involved 2,868 lane miles or the equivalent of 1,434 miles of normal two lane road.

The Department was the authority for 674 miles (1,540 lane miles) of surfacing of which 582 miles (1,315 lane miles) were done by direct control and 92 miles (225 lane miles) by contract.

Councils were the authority for 648 miles (1,328 lane miles) of surfacing of which 78 miles (163 lane miles) were done by direct control and 570 miles (1,165 lane miles) by contract.

The work comprises:—

Bituminous Plant Mix Surfacing	138 miles
Slurry Seal	4 miles
Sprayed Seal	1,089 miles
Primer Seal	78 miles
Prime	13 miles

The bituminous surfacing work done during the year was divided into four categories:—

1. **Initial Surfacing** of 231 miles (485 lane miles) of road not previously provided with a dust free surface.
2. **Heavier Treatments** either sprayed seals or plant mix surfacing provided on 36 miles (76 lane miles) of road pavement previously provided with a light treatment such as prime or primer seal.
3. **Restoration** of bituminous surfaces following reconstruction:
 - (a) To widen and/or strengthen the pavement on 91 miles (196 lane miles).
 - (b) To provide additional lanes or dual carriageways on 44 miles (138 lane miles).
 - (c) To improve alignment and/or grading on 123 miles (290 lane miles).
4. **Maintenance Resurfacing** of 797 miles (1,683 lane miles) of road pavement.



Dressing the face of batters on Barrenjoey Road, Newport.



New freeway signposts, incorporating State Route numbers have been erected on the Western Freeway.



ADVANCE PLANNING

A comprehensive national survey, known as the Australian Road Survey 1969-74 was conducted during the year in association with the Commonwealth Bureau of Roads and the other State Road Authorities. Data from this survey is now being evaluated to assess the road needs for a period beyond 30th June, 1974, when the current Commonwealth Road Act expires.

The Commissioner for Main Roads was also represented on the National Highways Study Team which was formed for the purpose of evaluating for the Commonwealth Government the need for a National Highways System.

The statistical investigation of road construction costs to develop a Road Construction Cost Index has been completed and further development and refinement is planned with a view to obtaining earlier preliminary figures and, possibly, quarterly figures.

Work has proceeded on the compilation of the Road Surface Inventory and updating of inventory maps for railway level crossings, developmental roads, lane and line marking and median location. In addition, numer-

ous charts showing bridges constructed and opened to traffic, ferry locations and statistical diagrams for traffic growth, vehicle and population indices and revenue statistics were revised.

The Technical Computing installation continues to be part of the Advance Planning Section and provides a technical computing service for the whole of the Engineer-in-Chief's Branch principally in the fields of traffic analysis, bridge design and photogrammetry and automatic drafting of traffic signs and survey plans. Heavy use of the computer was made throughout the first half of the year processing data collected during the Australian Road Survey 1969-74. Notwithstanding the additional equipment installed during the previous financial year it was necessary to introduce second shift operation of the computer. Inadequacies of the existing computing equipment became more obvious as the year progressed and proposals for its replacement were invited towards the end of the year.

In mid-year a process control computer was attached to the main technical computer for collection of photogrammetric data.

URBAN ROAD PLANNING

The right-of-way for freeways and arterial surface roads contained in the Main Roads Development Plan within the County of Cumberland is protected from further development by zoning for County Roads in Municipal Planning Schemes. During the year planning schemes were gazetted for the Municipalities of Holroyd, Lane Cove, Marrickville, Woollahra and the City of Liverpool. The majority of Municipalities within the County of Cumberland now have gazetted planning schemes.

The approximate limits for the rights-of-way for freeways and arterial surface roads are determined from preliminary outline designs for all major routes included in the Main Roads Development Plan. It is necessary to undertake reviews of the outline designs from time to time owing to revision of design standards and changes in the population and pattern of urban growth.

Reviews carried out during the year included sections of the Southern Freeway in the vicinity of Redfern and Sans Souci, the Western Freeway in the vicinity of Johnston's Creek, Annandale and at Five Dock, the Castlereagh Freeway adjacent to the Pennant Hills Golf Course, the Wilson Street, Newtown to Lewisham County route, the St. Ives-Belrose County route and the arterial routes in the Menai area. The Department has been involved in road network studies for the planning of new development at Mt. Druitt, Hoxton Park and Campbelltown.

In the Wollongong-Port Kembla District, the route of the Southern Freeway from Shellharbour to Kiama is being reviewed and an alternative location avoiding swamp land in the vicinity of the Minnamurra River is being investigated.

Similarly there have been reviews of parts of the future road system in the Newcastle area.

The Government has indicated that transportation studies will be considered for Newcastle and Wollongong after the Sydney Area Transportation Study is completed towards the end of 1973.

During the last five years there has been an ever increasing public awareness of the need for public transport to be improved in line with population growth and dispersal, this need having been emphasised in the 1940's when the Main Road Development Plan was being prepared.

In recent years also there has been a significant growth in protest groups opposing the development of freeways. It is the Department's view that public participation in planning should take place at the local government level, roads being merely one of the land uses provided for in the planning schemes. Further, the Department considers that it has a responsibility to provide roads with capacity and safety to accommodate the complete range of vehicles offering, not just commuter cars, and that any restriction on ownership or useage of road vehicles should be imposed by Governments using methods other than inefficiency (congestion) resulting from an inadequate network.

COUNTRY ROAD LOCATION

During 1972/73, location approvals were given for 55 projects with a total length of 156 miles. Included were 66 bridge sites. Other projects in hand have a total length of 418 miles.

Important works for which alignments were approved included a second bridge over the Shoalhaven River at Nowra, a replacement bridge over the Lachlan River at Cowra, a traffic relief route at Tweed Heads and a new flood-free route for the Gwydir Highway between Gravesend and Moree.

When it is desirable to restrict frontage access to highways, consideration is given to proclaiming lengths as motorways. This action is taken when land is acquired for reconstruction works. During 1972/73, approval was given to motorway boundaries and access points on lengths totalling 38.7 miles.

Aerial photography of State Highways continued and lengths totalling 906 miles were flown during the year. Photography for photogrammetrical surveys (generally in colour) was completed over a length of 207 miles.

An interesting feature from recent aerial photographs of the Sydney to Newcastle Tollway is the marked regeneration of growth on areas affected by the original construction several years ago. The impact on the surroundings is diminishing. Aerial photographic records will be useful in dispelling fears about the effects of road construction on the environment.

Expenditure on aerial photography and photogrammetry by contract during 1972/73 totalled \$78,470, which included \$32,825 paid to the Lands Department. Photogrammetric mapping was completed for a total area of 44,000 acres.

In the Photogrammetry Sub-Section, the Zeiss Stereometrograph continued in regular use. A Wold A10 Stereoplotter was installed during the year and is now in full service. An IBM System/7 Data Collection System was also installed towards the end of the year.

There was an increased emphasis on photogrammetric research during the year. This included the developing and testing of computer programmes, further work on a digital terrain modelling system, a trial cadastral survey by photogrammetry, and trial use of orthophotos, as well as other continuing research items.

Answers to written enquiries from the public as to the effect of country road proposals on properties numbered 29,940, an increase of 37 per cent over the previous year.

LAND SURVEY AND PROPERTY ACQUISITION

A considerable proportion of the cost of roadbuilding involves the acquisition of properties. The timing of purchases for future works is particularly important and funds available do not often permit acquisition of properties prior to their immediate need for current works programmes.

During the year a total of 937 property settlements were made. Of these, 55 were acquired to alleviate extreme hardship which would have affected the owners if the purchase was not made in advance of normal

procedure. A staff of 43 Staff Valuers and 18 Consultant Valuers negotiated settlement and total expenditure amounted to \$17.87 million. This was apportioned between the County of Cumberland—\$6.43 million, Kings Cross Road Tunnel Project—\$0.77 million, areas outside County of Cumberland—\$1.65 million, C.A.R. (Cumberland and outside)—\$9.02 million.

To establish boundaries of land to be acquired to accommodate new roads or road widening schemes, surveys are first carried out. During the year, 48 surveys covering a length of 7.14 miles, including 0.35 miles for realignment purposes, were made in the County of Cumberland. Surveys by consultant in the same area totalled an additional six for a length of 1.45 miles.

Outside the County of Cumberland 77 surveys covering a length of 89.65 miles, including 0.50 miles effected for realignment purposes were carried out. Consultants were responsible for a further four surveys covering a length of 10.48 miles.

Plan preparation during the year involved 221 plans of 418 sheets, which were prepared for lodgement at the Registrar General's Department. Included in these plans were those required in connection with six realignment proposals affecting 2.85 miles of road in the County of Cumberland and three proposals affecting 13 miles in areas outside the County of Cumberland.

An increase in the number of land development enquiries answered by the Survey and Property Section brought the total for the year to 13,580, compared to 8,301 during the previous year.

TRAFFIC SERVICE

In preparation for the conversion to metric units of all distances, weights and speeds shown on road signs a complete sign inventory has been made of all main roads in the State. The conversion to metric units will be made in July, 1974, and manufacture of replacement signs and overlay plates for this major task has commenced.

In addition, 906 miles of advisory speed sign surveys were carried out on five State Highways, one Trunk Road, and thirteen Main Roads in preparation for the conversion of advisory speed signs to metric units.

A system of State route numbers to complement the National route numbers was introduced. The first route to be marked was Trunk Road No. 61 between Orange and Condobolin which was designated State Route 90. Subsequently the Western Freeway between Wallgrove and Emu Plains was marked route F4 and at the same time routes 61 Liverpool to Eastern Creek and 69 Narellan to Windsor were marked.

During the year 25 channelised intersections were completed bringing the total to 353. Major sites where channelisation was completed included King and Wilson Streets, Newtown; Princes Highway and Port Hacking Road, Sylvania; Parramatta Road, Old Canterbury Road and Tebbutt Street (in conjunction with



Construction of bridge over Mullet Creek on a deviation of the Princes Highway between Kembla Grange and Dapto.

bridge over Parramatta Road at Brown and Hathern Streets, Lewisham); Great Western, Mid Western and Mitchell Highways, Bathurst; Piesley and Summer Streets, Orange; Pacific Highway and Main Road No. 316, Mayfield West. At present, 17 intersections are in the process of channelisation and 59 designs for channelised intersections have been completed.

The total mileage of median strips constructed with permanent materials is now 265.17 miles (all widths) following the addition of 19.81 miles constructed.

Seven bus bays were constructed and climbing lanes were completed at 20 sites on main roads to provide for slow moving traffic on hills.

In July, 1972, the number of permanent and semi-permanent counting stations in the State totalled 215, including 13 ferry sites. The number was increased to 334 during the year for use in the identification of traffic patterns in the County of Cumberland where a comprehensive survey involving some 2,600 stations is in progress. Installation of magnetic loop detectors and new recording equipment to replace pneumatic tube detectors at permanent counting stations in the County of Cumberland is proceeding.

Detailed traffic volume surveys were completed in the North Western, Upper Northern, Southern Central

Mountains and Central Western Divisions, as well as Colo and Gosford Shires in Parramatta Division. In the County of Cumberland, a detailed traffic volume survey is in progress.

Origin and Destination Surveys, to assist investigations for planned road systems were carried out at Kingsford Smith Airport, Bourke, Tenterfield, Narrandera and in the Woodburn-Lismore areas.

Data collected from the 1970 traffic volume surveys in the Illawarra, North Eastern, Lower North Coast and South Coast Divisions was published in four separate volumes. In addition, the 1971 traffic volume data collected in the County of Cumberland and the 1972 Origin and Destination survey in the Central Business District of Sydney was published in two separate volumes. Publication of 1972 traffic volume data for the Hunter Valley Division, Volume II of the 1971 County of Cumberland survey and the 1970 data for Murray—Darling and Central Northern Divisions expected to be available for publication late in 1973. The 1972 traffic volume data for the North Western, Upper Northern, Southern, Central Mountains and Central Western Divisions is currently under preparation for publication in 1973/74.

The special investigation into fatal accidents on State Highways which was commenced in 1968 continued throughout 1972/73.

PLANT AND MOTOR VEHICLES

To replace existing items and to provide for additional needs during the year, Plant to the value of \$3,088,398 and Motor Vehicles to the value of \$1,339,901 were purchased.

A Mobile Asphalt Plant of 35 tons per hour capacity was commissioned and will be used at various locations throughout the State.

To replace an existing plant, a contract was let for the supply and erection of a new Asphalt Plant at Granville, capable of producing up to 400 tons per hour. Total cost will be approximately \$1,200,000.

The total value of payments to private owners for the hire of plant was \$8,891,689.

Facilities were provided for the maintenance of plant and vehicles and for general mechanical and electrical engineering services.

CENTRAL WORKSHOP

A total of 7,807 jobs was completed by Central Workshop during the year for a value of \$3,649,703.

The various categories of work carried out at Central Workshop and their part of the total activities is:—

Property repairs, furniture manufacture, general building and carpentry work	28%
Sign manufacture (including sign structures)	15%
Manufacture and repair of plant and overhaul of ferries	14%
Plumbing and electrical services within Metropolitan and Parramatta Divisions and general transport services	11%
Structural steelwork and reinforcing steel for bridges	17%
Special projects and other miscellaneous work	15%

The design, manufacture and erection of a new toll plaza on the south side of the Sydney Harbour Bridge was carried out prior to the opening of the first stage of the Western Distributor. The toll plaza included five fixed and two moveable cabins of original design.

Temporary adjustments were carried out to the toll plaza at Mooney Mooney in the construction of the northern approach to the new bridge over the Hawkesbury River on the Berowra-Calga Tollwork.

The construction of the Western Freeway from Wallgrove Road to Bringelly Road required a new building at the Wallgrove Army Camp to house barracks, mess and common rooms, relocation of a weighbridge and the provision of a new building.

Other building work included construction of the stand for the Royal Easter Show exhibit, alterations to buildings and/or fittings at Head Office, Parramatta and Metropolitan Divisional Offices, the Materials and Research Laboratory and at Central Workshop.

Renovations and maintenance were carried out on Departmental properties in the Sydney Metropolitan area, including tenanted houses acquired for future road construction. Inspections were carried out on

country staff residences in twelve Divisions in accordance with a continuing programme of maintenance.

A total of 19,055 road signs were manufactured during the year.

Some of these signs required large supporting structures and some were changeable message signs for new traffic arrangements on the Sydney Harbour Bridge following the completion of the Western Distributor.

All plant and motor vehicle repairs were carried out for the Metropolitan Construction Office together with a number of large plant repairs for other Works Offices.

The Workshop's service exchange system was further expanded to handle a wider range of exchange components for the Department's plant fleet. A standard costing system was developed to facilitate cost control.

Two large vehicular ferries were overhauled at Mortlake Slipway and Central Workshop personnel assisted and supervised the overhaul of a further eight ferries throughout the State. The total number of jobs completed in the section was 1,105.

Steel handrails, totalling 4,671 feet in length, were fabricated for a number of bridges.

A total of 1,440 tons of steel reinforcement was cut and bent to shape for use in concrete bridges and culverts throughout the State.

Pushing up shale on the South Western Freeway.

Using a machine developed for producing the spiral reinforcing and special transporting cradles, reinforcing steel cages were produced for use by the Benoto Pile Boring organisation. Cages were supplied for the North Western Freeway in the Darling Harbour railway goods yard and the new bridge over the Murrumbidgee River at Gundagai.

Fabrication of two heavy plate web girders using ASA 151 grade C high yield strength steel for the bridge over the railway at Marrangaroo was completed.

A two-year programme for the repair and protective treatment of stocks of Bailey Bridge parts was finalised.

The Workshop designed, manufactured and installed two articulated moveable steel median strips on the Sydney Harbour Bridge to meet the needs of the new traffic arrangements for the Western Distributor. These medians are anchored at one end. A driving module at the free end, powered by an electrohydraulic drive, is capable of repositioning the median within a few minutes for the changes that occur in traffic flow during the day.

Sixty-two bitumen sprayers, owned by contractors, Councils and the Department were tested for the purpose of issuing or renewing Sprayer Certificates.

Three auction sales were conducted to dispose of worn plant, trucks and other miscellaneous items and realised \$562,075.

During the year a field workshop was established at Tenterfield and there are now forty of these workshops throughout the State.

The seventh stage of a Workshop Supervisors' Training Course was conducted at Granville for all foremen in charge of field workshops, to keep them informed of modern developments and as a refresher. Subjects included were Hydraulic Systems, Job Relations, Anti-friction Bearings, and Lubricants and Servicing.

Plant Inspectors carried out regular field inspections and assisted workshop personnel with plant repair problems. With the assistance of teaching aids, instructions on new types of plant were given to field personnel.

Efforts to increase the number of trade apprentices in the country continued successfully.

High Frequency Two-way Radio was extended in Western area, the existing radio in the Snowy Mountains area was converted to Very High Frequency and the existing radio on the Sydney Harbour Bridge was converted to Ultra High Frequency.

Servicing two-way radio in Western areas is carried out by a mobile unit within the Department of Main Roads because of a lack of commercial facilities.



RESEARCH AND MATERIALS TESTING

The improvement of testing facilities and services, with emphasis on terrain evaluation, field control and performance testing, and pavement design research, continued throughout the year.

DIVISIONAL AND FIELD TESTING

The amount of field control testing continued to increase during the year. A total of 16,606 density-in-situ tests and 7,077 field moisture determinations were carried out.

Samples of soils, gravels, bitumen, aggregate and concrete totalling 45,272 were processed at Divisional and Field Laboratories, this involved some 217,000 individual tests.

In addition, load tests were performed on about 2,309 precast concrete culverts and prestressed concrete bridge units.

There was a marked increase in the extent of pavement testing using the Benkelman beam: of the six beams now in use, four are stationed in Country Divisions, and two in the Metropolitan area.

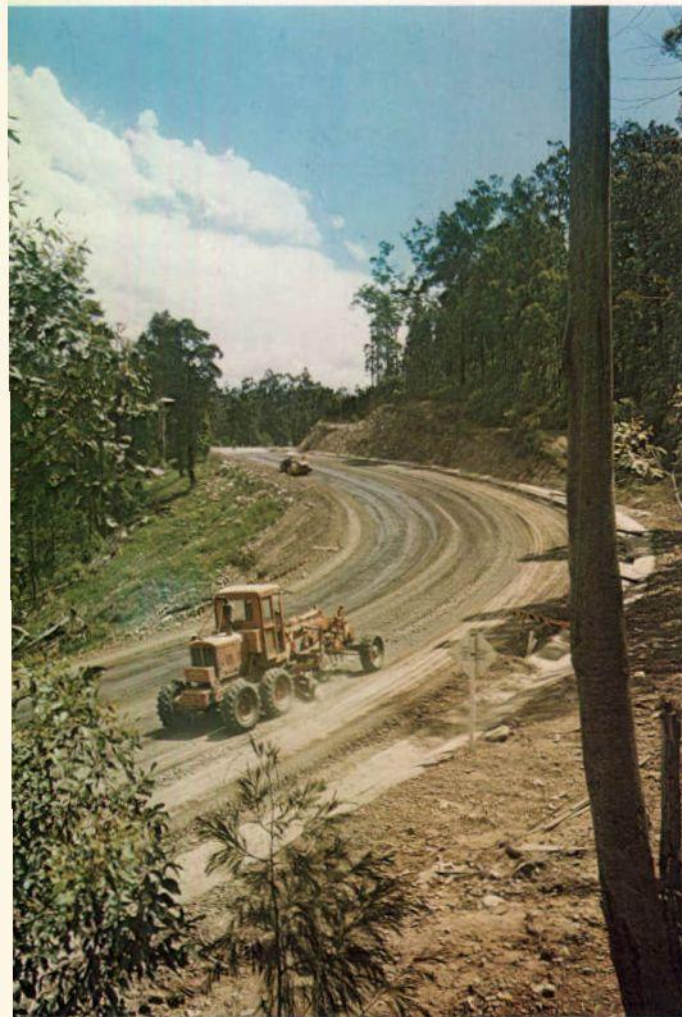
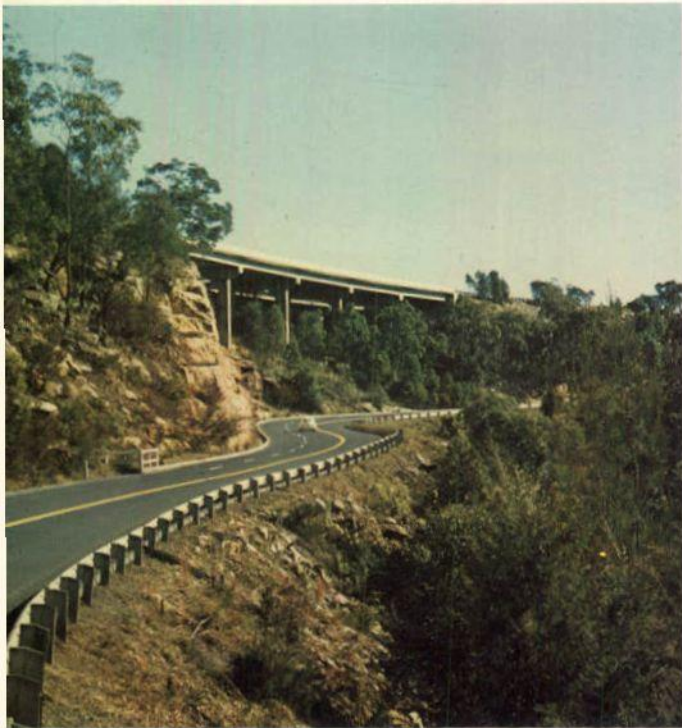
In conjunction with construction of a new Divisional Office Building in Glen Innes, a new Laboratory for this Division is being built, incorporating a modern layout and improved facilities.

Extensions to the Laboratory at Port Macquarie were completed, including a new concrete curing room, to provide for concrete and stabilisation testing. A new curing room was also installed at the Bega Laboratory.

A number of Shire Council officers were given brief training sessions in soils testing at several of the Divisional Laboratories.

MATERIALS AND RESEARCH LABORATORY

Testing of a comprehensive range of materials continued throughout the year, the number of tests performed being 98,095.



(Top)
Nature heals, as shown by this natural growth occurring in fills on the Sydney-Newcastle Freeway north of Hawkesbury River near Jolls Bridges.

Construction of climbing lanes on O'Sullivan's Gap about 4.5 miles north of Bulahdelah on the Pacific Highway (S.H.10).

There was an increase in the activity of the seismic survey team stimulated by the secondment of a Geophysicist from the Department of Mines and an Earth Resistivity Meter and a Signal-enhanced Hammer Seismograph were added to further equip this group. The latter does not require the use of explosives to generate the seismic wave and can thus be used to carry out seismic surveys in areas where the use of explosives with the older Dresser-Sie RS4 Seismograph would be prohibited. Other field services continued, particularly in pavement friction measurements; calibration of equipment used by the Department; and foundation analyses and soil mechanics investigations.

RESEARCH

Equipment was developed for use with the "Mu-meter" Pavement Friction Recording Trailer and evaluation of this equipment has commenced. Initially, the aim is to study the interaction of water depth and speed on the pavement friction coefficient recorded by the Mu-meter on different types of surfacing.

An investigation into the effects of soil moisture on pavement design and performance has commenced. The first stage of the investigation involves defining and developing procedures for the prediction of the equilibrium moisture conditions in subgrades and pavement materials under sealed surfaces in particular environments. The investigation is initially concerned with the establishment of soil suction-moisture content relationships for various subgrade and pavement materials, and the effects of stabilization on soil suction properties. Pressure plate extractors and soil psychrometers are being used for the measurement of soil suction.

The Roughness Survey on main roads throughout the State, using the NAASRA Roughness Meter, was completed during the year. Copies of the results for each Division, computer processed, were returned to each Divisional Engineer. An analysis of the results has provided a useful yardstick for comparing the riding qualities of road pavements by road classifications, road numbers, Council area or Division.

WEIGHT OF LOADS

Ordinance No. 30C of the Local Government Act, 1919, imposes limits on the gross weights and axle loads of vehicles. The Department employs a number of Inspectors to enforce these limits on State Highways, and other main roads in New South Wales under its direct control, with a view to preventing serious damage to road pavements and bridges which would result from the operation of overloaded vehicles.

During the year Inspectors stopped 36,576 vehicles for checking and of these 10,245, or 28 per cent, were found to be overloaded. Prosecution action was taken in most cases and 7,792 convictions were recorded and

appropriate penalties imposed. Some 67 per cent of the overloaded vehicles exceeded the Ordinance limits by more than two tons.

As a result of field investigations made during the year it has been decided to establish fixed weighbridges on the Hume Highway near Derrigullen Creek 4 miles south of Yass and on the Great Western Highway near Mount Boyce at about 8 miles west of Katoomba. These weighbridges, each a four plate unit, will be similar to that recently installed on the New England Highway in the vicinity of Kankool. Three of the plate units will be 20 feet long by 10 feet wide and the fourth will be 20 feet long by 16 feet wide, the extra width being required to weigh oversize vehicles operating on permits.

The tables in the Ordinance covering axle and maximum loaded weights have been recalculated in metric units and it is expected that the necessary amendment to the Ordinance will be made before the end of 1973. The conversion has been made in keeping with the National Association of Australian State Road Authorities' proposals regarding lengths of vehicles and weights. The Master Carriers' Association has examined the proposals and agreed to the conversion.

It has been policy to employ enforcement units on those State Highways and other Main Roads only which are under the Department's care and control. This policy has now been modified to allow Weight of Loads Inspectors to make random checks on some Trunk and Main Roads under the care and control of Council with a view to apprehending overloaded vehicles which are using those roads to evade Inspectors working on nearby State Highways. Municipal and Shire Councils have been informed of the change in policy and at the same time the Department has re-affirmed its offer of training and financial assistance to Councils which set up their own Ordinance enforcement organisations.

Permits to exceed Ordinance limits are issued for non-divisible loads when alternative transport by rail or sea is not practicable. These permits prescribe the route to be followed and are issued after full consideration of the current pavement and bridge conditions on that route, the total weight of vehicle and load and the type (number of wheels, axles and axle spacings) of vehicle.

During the year 4,711 permits for loads in excess of Ordinance limits were issued involving the movements of loads weighing a total of 260,429 tons. Permits for 108 of these were for items weighing more than 75 tons each.

Period permits may be issued for certain fixed loads such as mobile cranes allowing restrictive travel in a limited area, normally 30 to 50 miles radius of a nominated location. There were 619 of these permits issued during the year.

Assistance is freely given to vehicle operators by supplying an assessment of Ordinance limits in respect of a nominated vehicle. There is appropriate printed matter available for distribution, on application, to both owners and drivers. Assistance is also provided to industry by investigating proposals for the movement of heavy loads to major industrial works throughout the State.

EMPLOYMENT AND STAFF TRAINING

The number of Wages Employees (including contractors' employees and contract lorry owner/drivers) engaged on maintenance and construction of Main Roads and construction of Developmental Roads by the Department of Main Roads and Councils at 30th June, 1973 was 10,890 compared with 10,085 at 30th June, 1972. In addition, there were 3,629 salaried officers of the Department. The following table provides a detailed analysis of these figures.

Departmental Staff and Employees

Salaried Officers —			
	Male	3,040	
	Female	589	
		<hr/>	
		3,629	
Wages Employees —			
	Male	5,765	
	Female	66	
		<hr/>	
		5,831	9,460

Departmental Contracts

Contractors' employees engaged on contracts under direct supervision by Department (other than haulage and minor contracts)	192
Haulage Contracts—Trucks	864
Minor Contracts—Plant, etc.	504
	<hr/>
	1,560

Council Employees

Engaged on Subsidised Roadworks	2,637
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Council Owned and Contract Trucks

Engaged on Subsidised Roadworks	862	5,059
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TOTAL: 10,890

GRAND TOTAL: 14,519

The Department's relations with its employees and the officials of the various Unions concerned have continued generally to be harmonious.

SERVICE TRAINING

A Training Section was established in the Department during the year 1972/73 with the general objectives of co-ordinating existing training programmes and expanding staff development activities.

Five senior officers of the Department were sponsored to attend administrative courses at the Australian Administrative Staff College, Mount Eliza, Victoria and at the Institute of Administration, University of New South Wales. A total of 75 officers have now been sponsored to such courses. (The figure recorded in the previous Annual Report is ten less than the number who had actually attended.)

The policy of encouraging officers to attain recognised tertiary qualifications to fit them for more responsible duties was maintained during the year.

Full Time Students: 155 trainees were sponsored at the Universities of Sydney, New South Wales, Newcastle and Wollongong, undertaking degree courses in Civil Engineering, Surveying, Science and Mechanical Engineering.

In addition, three cadetships were undertaken at the Institute of Technology in Civil Engineering and Mechanical Engineering.

Part-Time Students: 381 officers undertook study courses at various educational institutions in 33 different courses.

Apprentices: 40 employees were indentured to the Department in ten trades. 131 apprentices were employed at the close of the year.

Induction Training: 208 newly appointed officers received instruction under the formal induction programme. In addition, two induction courses were held for graduand engineers, surveyors and analysts. On 7th and 9th February, 1973 an induction course was held for 17 engineers due to move from field operations to Divisional Officers.

Residential Course for Field Engineers: In September, 1972, a two week course in road and bridge construction and maintenance was held for 25 field engineers. As in previous years, the course was conducted at the Residential Centre, Institute of Administration, University of New South Wales.

Training for Road Foremen: During the year the fourth group of road foremen completed their full training course by attending two classes held from 26th July to 1st August, 1972 and 11th to 17th October, 1972. There were 26 in the group bringing the total of road foremen who have now attended these training courses to 95.

Training for Bridge Foremen: The fourth group of bridge foremen, numbering 20 in all, completed the first week-long segment of their training course, held from 20th to 26th June, 1973.

Workshop Supervisor's Course: A series of seven week-long training courses was held between 14th August and 24th November, 1972 at the Metropolitan Construction Depot, Granville, for plant inspectors, plant foremen and selected leading hand fitters from offices throughout the state. A total of 71 personnel attended the courses which were designed to instruct in new methods and provide a greater understanding of the complexities of modern plant.

Training in Clerical Procedures: 131 clerical officers, stenographers and typists attended courses conducted at Head Office during the year. Instructional staff visited field offices to provide tuition on the introduction of the computerised payroll and stock control systems and to give "follow-up" training to that provided at Head Office.

Divisional Training Conferences: Three series of conferences at Divisional Offices were held throughout the State during the year. The conferences were based on seven subjects, each being covered by detailed lecture notes. Specialist speakers from Head Office attended many of the conferences which were mainly conducted on a group discussion basis. Staff attending the conferences included engineers, engineering analysts, draftsmen, surveyors, together with clerical officers and bridge and road foremen for selected sessions.

Conference Leadership Course: 21 senior engineers, including one from each Division, attended a three day course in conference leadership held at Head Office from 4th to 6th July, 1972.

Methods of Instruction Training: Two courses of training in methods of instruction for staff required to present sessions at Departmental training courses were conducted during the year. The first was held from 28th May to 4th June, 1973 and the second from 12th to 15th June, 1973. A total of 14 officers attended the courses which were the first of this type conducted within the Department.

Training of Plant Operators: The number of instructors in the training of plant operators was reduced from 6 to 5 as the volume of work dropped. The turnover in plant operators was fairly low at the beginning of the year, but increased during the latter half of the year. Some difficulty was experienced in employing reliable operators on works in the Sydney Metropolitan Area. The total number of operators instructed during the year was 1,202. The greatest percentage was grader operators (356), followed by operators of rubber tyred tractors (212), all types of rollers (158), loaders (136), tracked dozers (134), and operators of other vehicles and miscellaneous items of plant (total 206). In addition 36 operators were instructed at Central Workshop whilst picking up new or replacement items. The cost of operating the school for instruction of plant operators, which is located at the Department's Central Workshop, Granville, totalled \$56,825 for the year.



*Deviation of Main Road 108
from Stockton Bridge to
Williamstown.*

OFFICE PREMISES AND HOUSING FOR STAFF

Head Office: The Department's activities during the past year have been confined within the existing premises with minor alterations to provide improved accommodation for various sections.

Improvements were carried out to the Cafeteria on the second floor to increase the amenities available to staff.

Divisional Offices: The construction of a new Divisional Office at the corner of Gray and Ferguson Streets, Glen Innes, has been practically completed. This will replace the Department's existing building and absorb staff located elsewhere within the town. It is anticipated this building will be occupied very early in the next financial year.

Extensions and additions have been carried out to the Divisional Offices at Port Macquarie, Wollongong and Parkes.

An air conditioning system was installed in the Metropolitan Divisional Office.

Work has commenced on the preparation of a design for a building to accommodate the Divisional Office staff at Lithgow.

Works Offices: A new Works Office at Tenterfield was completed and extensions carried out to Works Offices at Orange, Hay and South Grafton. Tenders have been

invited for extensions to the Works Office at Port Macquarie.

A contract has been let for the erection of a new Works Office at Lane Cove.

Plans are being prepared for a new Office building to replace the existing building at Windsor and a new Sub-Depot at Kiandra.

In preparation for the opening of the new bridge over the Hawkesbury River the existing facilities at the Berowra Toll gates have been extended to provide office accommodation which will replace those now located at Mooney Mooney.

Tenders have been invited for the construction of a building to provide Toll Office accommodation on the Southern Freeway at Waterfall. This building will also house equipment for the guidance and warning of motorists during fog.

Alterations are at present being carried out at Granville to provide improved office accommodation for Drawing Office and Clerical staff attached to Central Workshop.

Housing for Officers: There were no new houses erected to provide accommodation for staff during the current year and the possibility of utilising project builders is being investigated.

GRAPHIC SERVICES

Graphic Services refers to the production of printed matter by means of photographic, offset, letterpress and plan printing processes together with offset duplicating and electrostatic copying.

These services are provided by a staff of 41 in the four sections of the Print Room.

Composing: A composing section was established during the year as an adjunct to the existing Print Room facilities.

A Vartypewriter and a phototypesetter are used to prepare the text of artwork for standard forms both clerical and technical, standard specifications, books of instruction, manuals, etc. Both machines have operators who work under the direct control of a Composing Assistant who is responsible for the operation of the section and for proof reading of the finished work.

An additional Composing Assistant is engaged on layout, composing and cutting-in of artwork as the first step in the production of a printed article.

Photographic: A process camera, statfile camera and aerial camera enlarger, each installed in a separate dark room, are used for the reproduction of engineering drawings, line drawings and graphs to different scales, production of positives for silk screen work, negatives for plate making and for colour separation, for reducing and enlarging and processing plans on to film foil and stripping film, printing of enlargements and reductions, copying of aerial mosaics and contour plans and reproducing copies from books and coloured maps. In addition one dark room is used for developing and printing films of various sizes, production of enlargements and making of large negatives from 35 mm colour film.

Plan printing is carried out by a contact printer using anhydrous ammonia in an automatic printing and developing process. Both cut sheets and roll stock are used, 159,000 prints being made during the year.

Printing: Two offset printers capable of operating at 5,000 impressions per hour are used for single colour work up to 15" x 22" size. These machines use cut sheets which may be fed back through the machine for overprinting in other colours.

A web offset press, maximum size of print 8½" x 13" prints two colours on one side or one colour on two sides simultaneously at a rate of 25,000 copies per hour. This machine using roll paper is generally used for the large production runs.

For the simultaneous printing, numbering, perforating and cutting on paper or card stock, a letterpress machine, maximum size of sheet 15" x 18", is used. Specialised printing such as cards, brochures, letterheads, envelopes, tickets, etc., is undertaken on this machine.

A high speed automatic duplicator using paper master plates produces foolscap copy at the rate of 8,000 sheets per hour, the output being collated automatically in a 100 bin sorter. Paper masters for this machine are made on an electrostatic copying machine.

Two electrostatic copiers each produce on an average about 45,000 sheets per month. One machine is fitted with automatic data feed and the other has reduction facilities giving a choice of 5 scales. The maximum print size is foolscap and each machine feeds into a separate 50 bin sorter.

Binding: Printed sheets are transferred to the binding section for collating, folding, stapling and binding as required.

Perforated and numbered sheets are collated by hand but other suitable sheets are fed into a small automatic collator which can collate, fold and staple 2,000 books of up to 12 sheets each per hour.

For thicker publications an automatic glue binder glues the backs of the sheets, folds and glue fixes a cover at the rate of 600 books per hour at a cost of approximately 1c per book. This machine handles books up to 2" thick.

Associated equipment in the binding section includes two guillotines, two power staplers, two automatic power drills and an automatic tying machine for tying bundles of books, brochures and loose sheets.

In addition, the binding section undertakes the mounting of plans, maps, charts, etc., on linen or board and other general binding work.

VISITORS FROM OVERSEAS

Co-operation continued with Commonwealth Authorities in providing study facilities for persons nominated to visit Australia under such schemes as the Colombo Plan, Commonwealth Practical Training Scheme and South Pacific Aid Programme.

The visitors concerned will, in most cases, remain within the Department for some months after 30th June, 1973. They are:—

Mr. Uriam Tekiae of the Gilbert and Ellice Islands, who is spending nine months with the Department, including periods of study at Technical College, training as a Plant Mechanic.

Mr. Thomas Tohiana of Papua New Guinea, who is receiving seven months' training in road construction.

Messrs. Kokiatt Buranawit and Kamphol Itthipongse of Thailand who are gaining practical experience in road construction over a period of four to five months.

Other visitors who spent one or two days inspecting the Department's works were Messrs. Chaivat Arunotivatt, Pramote Sawathiparnich and Supol Chienpradit of Thailand and Mr. M. S. L. Kathuria of India.

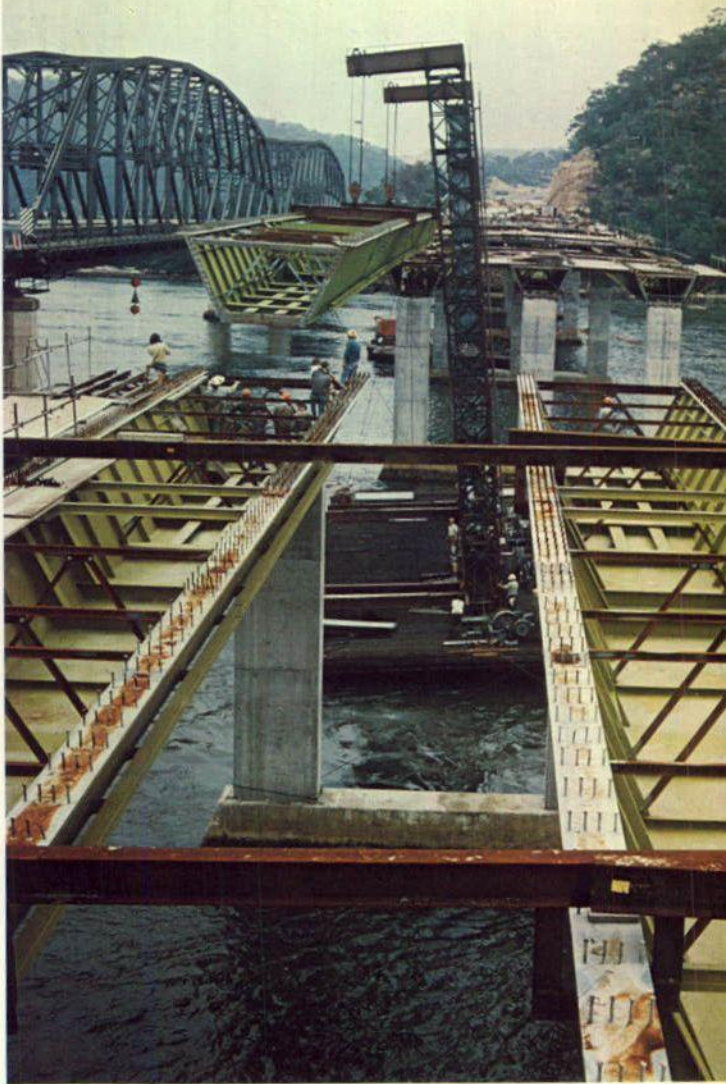
MISSIONS ABROAD

During the year Mr. C. A. Woodham, Registered Surveyor, completed the Post Graduate Diploma in Photogrammetric Engineering conducted by the International Institute for Aerial Survey and Earth Sciences (I.T.C.) in The Netherlands. Mr. Woodham was awarded his Diploma with distinction.

In November, 1972, Mr. B. N. Loder, Assistant Urban Investigations Engineer, attended the Committee Meeting of the Permanent International Association of Road Congress (P.I.A.R.C.) in Paris, France. Mr. Loder was selected as part of a Commonwealth Government Delegation. The purpose of his trip was to give technical support to Australia's invitation to hold the XVth world-wide Congress of P.I.A.R.C. in Sydney in 1975.

Whilst overseas Mr. Loder also visited Rome, Cologne, Stockholm, Brussels and London, where he made observations of the functions of freeways in Great Britain before returning to Australia in December, 1972.

During June, 1973, Messrs. E. W. King and J. A. Neeson visited the United Kingdom and the United States of America after attending the 2nd European Symposium of Concrete Roads in Berne, Switzerland. The visitors spent some time inspecting and discussing freeway construction in Europe and the United Kingdom with particular reference to concrete pavement construction. Messrs. King and Neeson had discussions with officers of the Department of Environment in London on cement concrete road construction and made a detailed study of tunnels and tunnel lighting.



Placing a girder in the span to provide the final link in the construction of the bridge over the Hawkesbury River.



The library at Head Office, Sydney, is the centre of an extensive technical library service.

PUBLIC RELATIONS

The year of public relations activities has included the organisation of a number of major exhibitions, road and bridgework openings and the continuation of the variety of other activities associated with informing the community of the activities of the Department.

To perform its function as a link between the public and the Department, the public relations service uses visual displays of photographs, movie films and scale models, arranges special functions for the opening of major works, produces a variety of printed information such as the quarterly journal "Main Roads" and brochures on particular works, issues press releases, prepares articles for the press and maintain an extensive photographic and film library to support these activities.

When required, arrangements are made for Departmental officers to address community service organisations, and film screenings are often given as a supplement to these functions.

An information service to motorists and motoring services, relating to special road problems such as floods or snow, is also provided.

The Department presented a major display at the 1973 Royal Easter Show in Sydney and also took part in the "Environment '73" exhibition and several smaller exhibitions connected with historical societies, educational authorities and career exhibits. Displays were staged in country areas—at Parkes, Broken Hill, Wagga Wagga, Newcastle Careers Exhibit and Newcastle Show, Wollongong, Glen Innes and Tamworth.

Plans for Sydney's freeway system were again the subject of public attention throughout the year and a full exhibition of scale models, plans, maps and photographs was opened to the public at the Department's Head Office during March and attracted many visitors. Brochures which were distributed at this display included a specially prepared publication "The Need for Freeways" and departmental officers answered a wide range of enquiries from the public.

New scale models of Departmental works which were put on public exhibition during the year included the proposed bridge over Sugarloaf Point Middle Harbour, Freeways in the Municipality of Leichhardt and Fitzroy Bridge at Windsor. A replica of a large contour map of Sydney and surrounding districts showing the proposed freeway system was constructed for use by the Department of Environment.

The major road and bridgeworks which were officially opened during the year included:

- Final sealing of the Barrier Highway (State Highway 8) on 31st October, 1972. The Deputy Premier and Minister for Highways, Sir Charles Cutler, officiated at the ceremony.
- Western Freeway section between Wallgrove Road and Bringelly Road on 20th December, 1972, by Sir Charles Cutler.
- At Cockle Creek, where two new bridges on a deviation of Main Road No. 217, were officially opened by Sir Charles Cutler on 23rd February, 1973.
- Macarthur Bridge over the Nepean River at Camden, which was officially opened by His Excellency The Governor of New South Wales, Sir Roden Cutler, on 26th March, 1973.
- At Balranald where a new bridge over the Murrumbidgee River on the Cobb Highway (State Highway

14) was opened by the Acting Minister for Highways the Hon. A. H. Jago, M.L.A., on 8th June, 1973.

- New bridge over the Murrumbidgee River on the Cobb Highway (State Highway 21) at Hay opened on 8th June, 1973 by the Hon. A. H. Jago.
- New bridge at Smithtown over the Macleay River officially opened by the Hon. A. H. Jago on 15th June, 1973.

Included amongst the other activities of the public relations branch during the year has been the issuing of 65 press releases, the production of several new brochures including "Roads and the Environment", "Western Distributor" and "Warringah Expressway—Programme for Construction", reprints of others and the loan of approximately 230 movie films for special functions.

LIBRARY SERVICE

The Department's technical library service comprises the Head Office Library and seventeen Branch Libraries in Divisional Offices located throughout the State and in the Materials and Research Laboratory at Milsons Point. During the year, 2,273 books, pamphlets and standards were added to the collection bringing the total library holdings to 40,081 publications. The periodicals to which the Department now subscribes have been increased to 448 with 10 new titles added during the year.

The library circulated 15,182 new periodicals to the staff, lent 9,360 items from stock and issued three library bulletins during 1972/73.

LEGISLATION

The Main Roads Act, 1924, was amended during the year by the Main Roads (Amendment) Act, 1973.

This legislation had two principal objects:—

- To provide for the altered financial arrangements for approved works on main roads following upon the Government's decision to relieve councils from 1st January, 1972, of certain obligations to contribute to the cost of works on main roads.
- To provide for leasing by the Commissioner for Main Roads of certain land vested in him, and to authorize development notwithstanding that a main road will be constructed below or above the space leased for development.

The Amending Act also included in the Main Roads Act a new part 1A in which are set out various powers and obligations of the statutory body created by the Transport (Division of Functions) Act in 1932 under the name of "The Commissioner for Main Roads".

Snowy Mountains Highway (S.H.4) — looking North at reconstruction prior to priming located 3½ miles south of Yarrangobilly. The old highway route can be seen on the right above the new road.



The Freeway Exhibition held in the Department's Head Office during March 1973 attracted a large attendance.



This new model showing freeway proposals in the Municipality of Leichhardt was on display at the Freeway Exhibition.

NAMING OF ROADS

Trunk Road No. 90 was named The Bucketts Way by proclamation in the Government Gazette on 3rd November, 1972. Located in the Shires of Port Stephens, Great Lakes, Gloucester and Manning, it branches from the Pacific Highway (State Highway 10) near 12 Mile Creek, via Booral, Stroud and Gloucester to rejoin the Pacific Highway at Purfleet.

ARMY SUPPLEMENTARY RESERVE UNIT

21 Construction Regiment RAE(SR) undertook its Twenty-third Annual camp at Gan Gan Army Camp, 25 miles north of Newcastle, from 3rd March, 1973 to 16th March, 1973. The regiment is manned by officers and employees of the Public Works Department, the Metropolitan Water Sewerage and Drainage Board and the Department of Main Roads. The camp was held in conjunction with the Regiment's Higher Formation 11CE(WKS) and 201 Works Section. A total of 382 personnel attended the camp of which 283 were from the Regiment with 148 being officers or employees of the Department of Main Roads.

The camp training was prepared conjointly by the Regiment, 11CE(WKS) and 56 EWPS with the main emphasis on basic military skills. The training was undertaken at three levels—Recruits, Sapper/Junior NCO, and Senior NCO/Officers. The Sapper/Junior NCO Wing also participated in some minor training in field machines.

To release as many personnel as practicable for training, the camp Administration and Quartering was carried out by the Regimental HQ whilst the training was conducted by 11CE(WKS).

Visitors to the camp included Brig. A. Robey, E.D., Commander of Communications Zone; Mr. A. F. Schmidt, Assistant Commissioner for Main Roads; Mr. W. A. Hay, Engineer-in-Chief, Metropolitan Water Sewerage and Drainage Board; and Mr. W. J. Kerle, Newcastle District Engineer for the Public Works Department. Over 200 relatives and friends of the camp personnel attended an Open Day on Sunday, 11th March, 1973, which consisted of a Camp Parade, an inter-squadron competition and a display of unit military equipment. During the Camp Parade, eight long service medals were presented to camp members. The guests were entertained by the members at a barbecue lunch held in the camp messes.

Throughout the 1972/73 Training Year, regular Home Training parades were conducted on week nights and during weekends for volunteers at the Regiment's Depot at Haberfield. An NCO Promotion Course was also held during the year in association with the Unit's higher formation, 11CE(WKS). The course was held at Wallgrove Army Camp between 16th and 30th September, 1972.

NATIONAL ASSOCIATION OF AUSTRALIAN STATE ROAD AUTHORITIES

The National Association of Australian State Road Authorities is an organisation of the central road authorities in the six States together with the Commonwealth Department of Works, which is the road constructing authority for the Commonwealth Territory. The present members are:—

Department of Main Roads, New South Wales.

Country Roads Board, Victoria.

Main Roads Department, Queensland.

Highways Department, South Australia.

Main Roads Department, Western Australia.

Department of Public Works, Tasmania.

Commonwealth Department of Works.

Established in 1934, the Association provides a means of pooling technical and administrative experiences; of inaugurating, co-ordinating and rationalising road research projects; of harmonising and co-ordinating standards; of ascertaining and publishing facts about Australia's principal roads and their financing; and of developing an informed outlook on Australia's road problems.

Several publications were issued during the year giving the results of past experience and suggesting improved standards for adoption as opportunity permits.

Three meetings of the Association were held during the year and were attended by the heads of the member authorities. The Secretary of the Commonwealth Department of Transport and the Chairman of the Commonwealth Bureau of Roads also attended sessions of two of these meetings for items of particular interest to the Australian Government.

The Principal Technical Committee (comprising chief engineers nominated by the member authorities) and the Secretarial and Accounts Committee each met during the year and were assisted by meetings of several technical committees dealing with specialist activities. Representatives from the Commonwealth Department of Transport, the Commonwealth Bureau of Roads and the Australian Road Research Board also attended a number of these meetings.

NAASRA also organised meetings during the year between the State Road Authority Training Officers and Land Acquisition Officers for exchange of information on topics of mutual interest which resulted in a number of recommendations to NAASRA regarding uniformity in practice and procedures.

In addition to the above meetings, NAASRA has actively participated during the year in the following important studies:—

Australian Road Survey 1969/74.

National Highways Study.

Road Load Economics for Australian Conditions.

Environmental Problems associated with Urban Freeway Proposals.

AUSTRALIAN ROAD RESEARCH BOARD

The Australian Road Research Board, established in 1960 by the National Association of Australian State Road Authorities, aims to encourage, arrange and co-ordinate research into the development of cheaper and better road services, the economics of road transport, road safety and traffic engineering. The Board consists of the heads of the State Road Authorities and the Commonwealth Department of Works.

The 22nd meeting of the Board of Directors was held in Melbourne on 28th November, 1972, and coincided with the opening of the Board's permanent administrative headquarters and laboratories in the outer suburb of Vermont. The 23rd meeting was again held in Melbourne on the 15th and 16th May, 1973, and because of the retirement during the year of Mr. H. A. Lowe the Board at its meeting appointed Mr. W. Hansen as a Member and Director. This meeting also appointed Mr. R. J. S. Thomas as Chairman for the ensuing year and re-appointed Mr. R. E. V. Donaldson as Deputy Chairman.

The Board's research programme involved an estimated expenditure of \$1,433,000, an increase of \$181,000 over 1971/72. Research carried out during the year either directly by the Board or under its sponsorship by State Road Authorities or Universities covered a wide range of highway problems. Research continued on the structural analysis and design of flexible pavements, foundations and materials for road structures, transport surveys and economics, traffic control devices, traffic flow analysis, human factors research, driver and vehicle characteristics and accident analysis.

During the year the Board held its Sixth Biennial Conference in Canberra in August. A number of officers of the Department of Main Roads presented papers for discussion and other officers also attended one or more of the 100 papers listed in the programme. The Conference provided a forum for discussion on most aspects of road research and was attended by a total of approximately 700 delegates some from as far afield as New Zealand, South Africa and the United Kingdom.

Various symposia were also conducted during the year at Melbourne and Sydney. These are held as a means of disseminating information about the research being conducted by the Board. Their aim is to bring the results of research to practising engineers whereby they may be made aware of the latest advances being achieved.

The various advisory committees continued to function during the year and the terms of reference have been revised. The main business of these groups has related to the compilation of a list of priorities for future research, but time was also taken in discussion of ways to make the results of research of greater value to practising engineers.

DEPARTMENT OF MAIN ROADS SENIOR OFFICERS

HEAD OFFICE TECHNICAL BRANCH DEPUTY ENGINEER-IN-CHIEF CHIEF ENGINEERS

HIGHWAYS ENGINEER
ENGINEER FOR PROGRAMMES AND BUDGETS
ROAD DESIGN ENGINEER
MECHANICAL ENGINEER
FIELD INSPECTING ENGINEER
EXECUTIVE ENGINEER
BRIDGE ENGINEER (DESIGN)
ADVANCE PLANNING ENGINEER
TRAFFIC SERVICE ENGINEER
URBAN INVESTIGATIONS ENGINEER
ENGINEER FOR STANDARD SPECIFICATIONS AND TECHNICAL INSTRUCTIONS
RURAL INVESTIGATIONS ENGINEER
ENGINEER FOR COUNTRY COUNCIL WORKS
MATERIALS AND RESEARCH ENGINEER
PRINCIPAL SURVEYOR AND PROPERTY OFFICER
PRINCIPAL ARCHITECT

R. E. Johnston
F. C. Cook
N. F. Hatcher
W. J. C. Orr
E. F. Mullin
G. B. Cranna
T. S. Hope
M. B. Fairlie
L. A. S. Flack
R. Fitzhardinge
V. R. R. Minus
A. S. Middlehurst
N. A. Waslin
K. Dobinson
E. R. Jefferay
K. J. Paynter
V. P. O'Grady
B. H. Butcher
A. Leask
A. T. Lenehan
G. A. McKenzie

ADMINISTRATIVE BRANCH ASSISTANT SECRETARIES

C. A. Gittoes
J. D. O'Connell

ACCOUNTS BRANCH ASSISTANT CHIEF ACCOUNTANT GROUP ACCOUNTANTS

E. L. Marlin
N. D. Moloney
J. Vallentine

DIVISIONS

The Divisional Engineers and the headquarters of the Divisions as at 30th June, 1973, were as follows:—

Division	Headquarters	Divisional Engineer
METROPOLITAN	Milsons Point	H. B. Korff
PARRAMATTA	Parramatta	L. R. Browne
CENTRAL MOUNTAINS	Lithgow	J. H. Dearden
ILLAWARRA	Wollongong	G. A. Thompson
HUNTER VALLEY	Newcastle	E. M. Brown
LOWER NORTH COAST	Port Macquarie	T. P. Desmarchelier
NORTH EASTERN	Grafton	W. J. Brecht
UPPER NORTHERN	Glen Innes	B. Moon
NORTH WESTERN	Tamworth	K. Edgar
CENTRAL WESTERN	Parkes	D. H. L. Francis
CENTRAL NORTHERN	Bourke	J. Kelly
MURRAY DARLING	Broken Hill	G. Castleden
CENTRAL MURRAY	Deniliquin	L. R. James
SOUTH WESTERN	Wagga Wagga	R. A. Dubedat
SOUTH COAST	Bega	E. K. Twartz
SOUTHERN	Goulburn	J. B. Anderson
INNER FREEWAY CONSTRUCTION	Head Office	J. A. Neeson
OUTER FREEWAY CONSTRUCTION	Head Office	E. W. King

ACKNOWLEDGEMENTS

In concluding this report of the activities of the Department of Main Roads for the financial year ended 30th June, 1973, I extend appreciation to the Hon. Sir Charles Cutler, K.B.E., E.D., M.L.A., Deputy Premier and Minister for Highways, for his consideration and support.

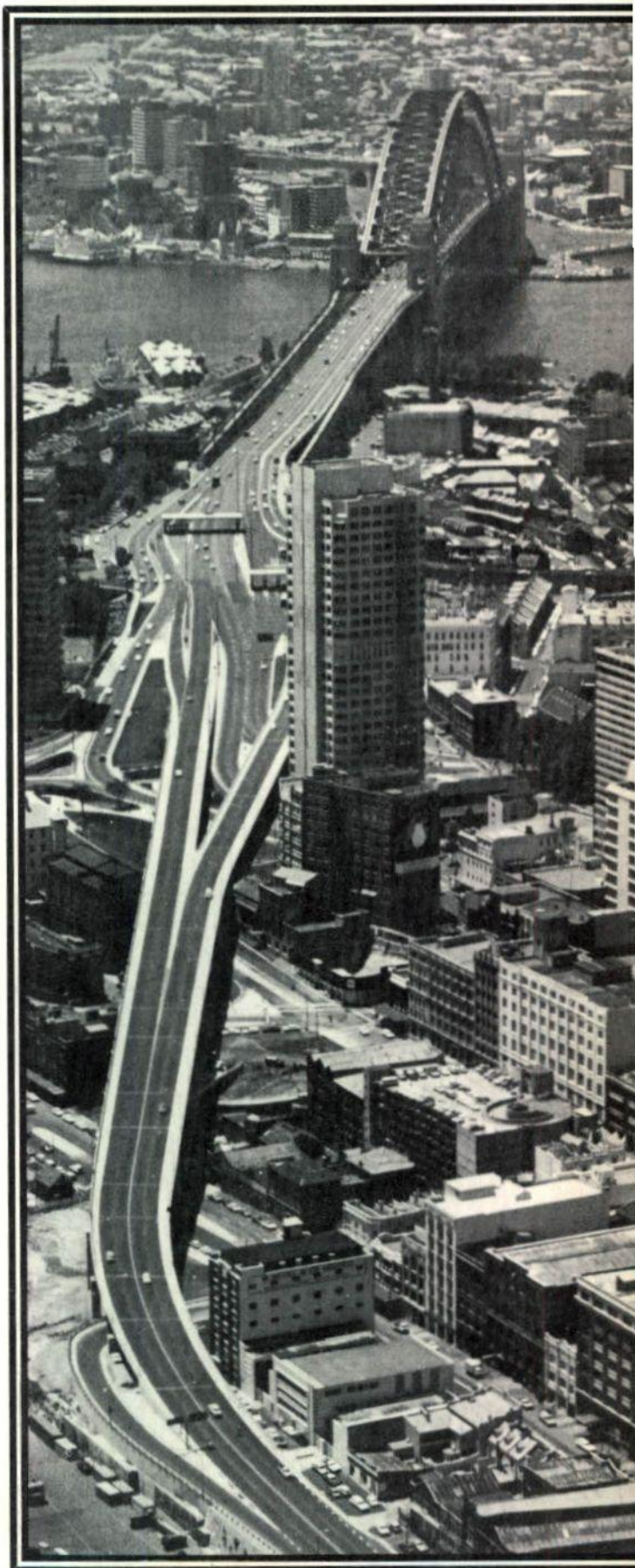
I wish to recognise the co-operation of Municipal and Shire Councils throughout the State. I desire also to record appreciation for the co-operation and assistance of Government Departments, State instrumentalities, the Executive Committees of the Local Government and Shires Associations, and the Road Authorities of other States.

For their assistance in reporting the work being carried out by Councils and by the Department in improving the Main Roads of the State, I again thank the press, broadcasting and television organisations and other media throughout the State.

In conclusion, I desire to express appreciation of the loyalty and able assistance which has been given so willingly by officers and employees of the Department, in service to the people of New South Wales through the extension, improvement and maintenance of the State's Main Roads System.

R. J. S. Thomas,
COMMISSIONER FOR MAIN ROADS.

The dramatic sweep of the Western Distributor which links up with the southern approaches of the Sydney Harbour Bridge.



Commissioner for Main Roads, New South Wales

ANNUAL REPORT 1972-73

**DEPARTMENT OF MAIN ROADS
NEW SOUTH WALES**



SUPPLEMENT

to Report of the
COMMISSIONER FOR MAIN ROADS
for the Year ended 30th June 1973



Department of Main Roads, New South Wales

SUPPLEMENT TO FORTY-EIGHTH ANNUAL REPORT
OF THE COMMISSIONER FOR MAIN ROADS

YEAR ENDED 30TH JUNE, 1973

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COUNTY OF CUMBERLAND ROAD CONSTRUCTION

Details of road construction expenditure in the County of Cumberland in the past few months are listed in Appendices Nos.5(A),6 and 6(A).

The principal works undertaken in the County of Cumberland during the year were:-

State Highways

State Highway No. 1 - Princes Highway

The Department completed adjustments to the intersection at Gannon Street, Tempe.

The Department completed a major deviation between Farnell Avenue (Main Road No.393), Loftus, and Old Bush Road, Engadine, including a new bridge over the South Coast Railway Line.

The Department is continuing reconstruction between Heathcote and Waterfall to provide dual carriageways to link with the Freeway south of Waterfall. Reconstruction of local streets in Waterfall Village and grade separation have been carried out to give improved access to the National Park.

The Department has completed construction of a pedestrian underpath at Engadine, including rebuilding and adjustments to buildings at Engadine Railway Station.

State Highway No. 2 - Hume Highway

The Department completed the final asphaltic concrete surfacing of the dual carriageway between Cook's River and Pemberton Street (Secondary Road No. 2087) and between Roberts Road and Stacey Street, Chullora. Channelisation of the intersection and construction of a dual carriageway in the Hume Highway at Stacey Street were completed.

The Department commenced work at the intersection with Campbelltown Road (Main Road No. 177) together with reconstruction of Hume Highway and Campbelltown Road to provide for dual carriageways from the Cross Roads to the South Western Freeway.

The Department improved the riding qualities by resheeting of the pavement between Bringelly Road and Leppington with asphaltic concrete.

The Department completed the first stage of the northern approach to Macarthur Bridge over Nepean River at Camden and commenced construction of a deviation between Main Road No. 178 at Narellan and Macarthur Road, Camden.

State Highway No.5 - Great Western Highway

Resheeting with asphaltic concrete of concrete pavement between Lucas Road, Burwood and Wentworth Road, Homebush was completed by the Department. Reconstruction of the intersection of St. Hilliers Road (Main Road No. 190) and Silverwater Road (Main Road No.532) at Auburn has been commenced by the Department.

Reconstruction of sections of asphaltic concrete pavement was commenced between 17.0 and 18.4 miles west of Sydney. Drainage of works together with associated pavement work was completed along the Prospect Deviation between 19.0 and 21.0 miles west of Sydney.

Reconstruction and widening to six lanes is nearing completion between Bennett Road and Glossop Street, St. Marys.

Work has commenced on strengthening and sealing of kerbside lanes between River Road and Old Bathurst Road, Emu Plains. Widening to four lanes has also commenced between Brougham Street and the Railway overpass at Emu Plains.

At East Linden, the Department completed the construction of an overtaking lane between 16.8 and 17.2 miles west of Penrith.

At West Linden, the Department essentially completed construction of an overtaking lane between 18.1 and 18.4 miles west of Penrith.

In Wentworth Falls at the summit of Bodington Hill, both a new intersection to King's Tableland Road and an extension to the existing overtaking lane at 26.8 miles west of Penrith were opened to traffic.

Extensive asphaltic concrete surfacing on sections including climbing lanes both at the eastern approach to Blackheath (5.7 to 6.1 miles west of Katoomba) and on Victoria Pass east of Mitchell's Bridge (11.0 to 12.8 miles west of Katoomba) were completed by the Department.

Construction of climbing lanes, both at Valley Heights (11.2 to 12.0 miles west of Penrith) and at Pritchard Street, Wentworth Falls (27.9 to 28.3 miles west of Penrith) was commenced by the Department.

State Highway No. 10 - Pacific Highway

The Department carried out construction of an interim improvement to the intersection with Ryde Road (Main Road No. 162) at Pymble.

Ordinary Main Roads

Main Road No.154 - Northern Road, Richmond Road

Liverpool City Council completed reconstruction of the pavement between 9.0 and 10.0 miles north from Narellan towards Luddenham.

The Department completed the reconstruction northerly from the Western Freeway to Maxwell Street.

Main Road No. 155 - Mulgoa Road

Penrith City Council commenced reconstruction between Batt Street and Rodley Avenue to provide a 24 feet pavement on improved alignment.

Main Road No.156 - Castle Hill Road

Hornsby Shire Council completed widening to four lanes between State Highway No.13 (Pennant Hills Road) and New Line Road, Pennant Hills.

Main Road No.157 - Showground Road

Baulkham Hills Shire Council commenced reconstruction and strengthening of the pavement between Windsow Road (Main Road No. 184) and Castle Hill Showground.

Main Road No. 159 - Sydney Road

Manly Municipality Council continued reconstruction and widening of Sydney Road between Crescent Street, Fairlight and Belgrave Street, Manly.

Main Road No.160 - Old Northern Road

Baulkham Hills Shire Council commenced reconstruction and widening to four lanes between Cross Street and Kerrs Road, Baulkham Hills.

Hornsby Shire Council commenced reconstruction of the intersection with New Line Road (Secondary Road No. 2035).

Main Road No. 162 - Lane Cove Road and Ryde Road

Ryde Municipal Council commenced reconstruction of the intersection with Goulding Road (Secondary Road No.2058) and Quarry Road.

The Department completed widening to six lanes between Giffnock Avenue and Fontenoy Road, North Ryde. Work is in progress between Epping Road and Giffnock Avenue.

Reconstruction by the Department between Cadow Street and Cross Street, West Pymble, was completed. Work is proceeding between Cross Street and Ridge Street.

Work has been commenced by the Department on widening between Pacific Highway (State Highway No. 10) and Cowan Road, St. Ives.

Main Road No. 164 - Military Road, Spit Road, Sydney Road, Pittwater Road and Barrenjoey Road.

The Department continued reconstruction and widening of Military Road between Glover Street, Cremorne Junction, and Bardwell Street, Spit Junction.

The Department commenced reconstruction and widening of Spit Road between Bickell Road, Spit Junction, and Ida Avenue, The Spit.

The Department commenced improvement of the intersection of Sydney Road and Manly Road, Seaforth.

An additional traffic lane was provided between Pittwater Road and Darley Street pending reconstruction between Turimetta Street and Darley Street at Mona Vale.

The Department completed reconstruction and widening to six lanes between Darley Street, Mona Vale, and Bardo Road, Newport.

Main Road No. 165 - Victoria Road

The Department commenced construction of the widening of the intersection with Westbourne Street, Drummoyne, to provide for turning traffic.

The Department reconstructed sections of failed concrete pavement between Church Street, Top Ryde and the West Ryde Shopping Centre.

Main Road No. 166 - Centennial Avenue

The Department completed reconstruction of intersection of Centennial Avenue and Burns Bay Road, Lane Cove.

Main Road No. 168 - Forest Road

Hurstville Municipal Council recommenced improvement to the junction with Henry Lawson Drive (Main Road No. 508), Peakhurst.

Between Belmore Road and Lime Kiln Road, Hurstville Municipal Council has completed reconstruction except between Renway Avenue and Old Forest Road, Lugarno.

Main Road No. 170 - Botany Road

Reconstruction and widening were in progress on the approaches to the bridge at Millpond Creek and at the junction with Millpond Road, Mascot.

Main Road No. 174 - Pittwater Road

Warringah Shire Council continued the reconstruction and widening between Darley Street and Mona Street, at Mona Vale, to provide four lanes for traffic.

Main Road No. 177 - Campbelltown - Bulli Road

Wollondilly Shire Council completed the western approach to bridge over Georges River at Kings Falls.

Main Road No. 181 - Pitt Town Road

The Department reconstructed between 1.0 and 1.2 miles from Windsor Road (Main Road No. 184).

Main Road No. 184 - Bells Line of Road

The Department continued construction of approaches to the new bridge over First Ponds Creek 28 miles from Sydney, near Kellyville and completed construction of dual carriageways in Macquarie Street between Bridge Street and Forbes Street, Windsor.

The Department completed strengthening and widening to provide a climbing lane at Holly Lodge between 40.1 and 40.4 miles west of Windsor, and commenced similar work between 38.5 and 39.2 miles west of Windsor.

Main Road No. 194 - General Holmes Drive

The Department commenced reconstruction of Millpond Road between General Holmes Drive and Botany Road (Main Road No. 170).

Main Road No. 227 - Kingsway

Sutherland Shire Council continued the construction of dual carriageways from Caringbah to Cronulla.

Main Road No. 309 - Rydalmere Avenue

The Department commenced widening to six lanes between the bridge over Parramatta River at Aston Street and Kissing Point Road (Main Road No. 574).

Main Road No. 315 - Raw Square

Strathfield Municipal Council continued reconstruction of the deviation between Albert Street and Redmyre Road.

Main Road No. 328 - Warringah Road

The Department completed minor widening of Boundary Street under the railway overbridge at Roseville and continued reconstruction and widening between Daines Parade and Pittwater Road (Main Road No. 164).

Main Road No. 344 - Wentworth Avenue

The Department continued reconstruction between Bay Street and Baker Street and commenced work between Baker Street and Corish Circle, East Botany.

Main Road No. 373 - Epping Road

The Department completed construction of dual carriageways from Shrimpton's Creek to Terry's Creek and continued widening to four lanes between Terry's Creek and Blaxland Road (Main Road No. 139), Epping.

Main Road No. 508 - Henry Lawson Drive

The Department completed reconstruction to four lanes between Salt Pan Creek and Dilke Road and is proceeding with the reconstruction of divided carriageways between Dilke Road and Chamberlain Road in conjunction with the construction of the northern approaches to the bridge over the Georges River at Alford's Point.

Hurstville Municipal Council continued widening and reconstruction between Hymen Street and Forest Road (Main Road No.168), including channelisation of the junction with Forest Road at Peakhurst.

Main Road No. 515 - Elizabeth Drive and Wallgrove Road

The Department completed the construction of the channelised intersection at Cabramatta Road.

Reconstruction of Wallgrove Road between Horsley Drive and the Army Camp was practically completed by the Department. Reconstruction and widening between the Army Camp and Western Freeway (Freeway No.4) was commenced.

The Department completed construction of a dual carriageway between Western Freeway (Freeway No.4) and Great Western Highway (State Highway No.5).

Main Road No. 530 - Oliver Street

Warringah Shire Council continued work to provide a four lane sealed pavement between Lawrence Street and Brighton Street, Curl Curl.

Main Road No. 599 - Eastern Valley Way

The Department completed reconstruction and widening of Eastern Valley Way between Sailor's Bay Road and Boundary Street (Main Road No.328) to provide four traffic lanes.

Secondary Roads

Secondary Road No.2013 - Ramsay Road

Drummoyne Municipal Council commenced reconstruction between Great North Road (Main Road No.395) and Henley Marine Drive.

Secondary Road No. 2014 - Brighton Avenue and Harrow Road

Canterbury Municipal Council completed shoulder reconstruction in Brighton Avenue, Croydon Park, from Georges River Road (Main Road No. 549) to Queensborough Road.

Rockdale Municipal Council completed the widening and reconstruction of Harrow Road and Watkin Street between Forest Road (Main Road No. 168) and Frederick Street, Bexley.

Secondary Road No. 2027 - Railway Parade

Burwood Municipal Council continued the widening to four lanes of the section between The Strand, Croydon, and Shaftesbury Avenue, Burwood.

Secondary Road No.2033 - Ryde Road

Hunter's Hill Municipal Council completed strengthening and reconstructing the kerbside lanes between Earl and Farnell Streets.

Secondary Road No.2046 - Lilyfield Road

Leichhardt Municipal Council completed the reconstruction of Lilyfield Road between Mary Street, Leichhardt, and Balmain Road, Lilyfield.

Secondary Road No.2056 - Dobroyd Parade

Ashfield Municipal Council commenced reconstruction between Tillock and Boomerang Streets, Dobroyd Point.

Secondary Road No.2057 - Arthur Street

Strathfield Municipal Council completed reconstruction between Henley Road, Homebush West, and the Municipal Boundary.

Secondary Road No.2059 - Gipps Street

Concord Municipal Council completed reconstruction between Patterson Street and Addison Avenue.

Secondary Road No.2066 - O'Connell Street

Parramatta City Council commenced reconstruction between Macquarie Street and Rings Bridge, including improvements to the intersection with Macquarie Street, to provide four lanes.

Secondary Road No.2068 - The River Road (Bankstown)

Bankstown Municipal Council continued the reconstruction of River Road between Tower Street and Ferndale Road, Revesby.

Secondary Road No.2071 - Joseph Street

Fairfield Municipal Council commenced reconstruction between Broad Street and John Street, Cabramatta.

Secondary Road No.2075 - The Boulevarde (Sutherland)

Sutherland Shire Council completed widening of The Boulevarde between Taren Point Road (Main Road No.199) and Port Hacking Road North (Main Road No.227), Miranda.

Secondary Road No.2084 - Seven Hills Road

Baulkham Hills Council widened to four lanes between Katherin Road and Baulkham Hills Road, West Baulkham Hills.

Secondary Road No.2085 - Patrick Street and Richmond Road

Blacktown Municipal Council completed reconstruction between Newton Road and Kildare Street and commenced reconstruction between the Railway Overbridge and Kent Street, Blacktown.

Secondary Road No.2090 - Boronia Avenue and Juno Parade

Bankstown Municipal Council completed reconstruction of the kerbside lanes between Waterloo Road and Roberts Road, Greenacre.

Roads Other Than Main Roads

County Road No.5011 - Marsh Street to Tancred Avenue

The Department completed preliminary foundation work between the sewer outfall and Muddy Creek Bridge site at Barton Park.

County Road No.5016 - Approaches to Alford's Point Bridge

The Department continued construction of the southern approach to the new bridge over Georges River at Alford's Point and commenced construction between the bridge and Henry Lawson Drive (Main Road No.508), Padstow.

County Road No.5037 - Kissing Point Road - Pennant Hills Road

The Department commenced construction between Kissing Point Road, Dundas (Main Road No.574) and Pennant Hills Road, North Parramatta (State Highway No.13).

County Road No.5046 - Bringelly Road

Liverpool City Council completed construction of the approaches to the new bridge over South Creek at Rossmore.

Unclassified Road - Hoxton Park Road

Liverpool City Council completed reconstruction of Hoxton Park Road to four lanes between Flowerdale Road, Liverpool and Hill Road, Lurnea.

COUNTRY ROAD CONSTRUCTION

State Highways

State Highway No. 1 - Prince's Highway

A section of the deviation at Mullet Creek between 6.5 and 8.1 miles south of Wollongong was completed. Work continued northwards to the junction of Main Road No.613, 5.7 miles south of Wollongong.

Work continued on the Currumbene Creek deviation between 4.85 and 6.98 miles south of Nowra, including the approaches to the proposed new bridge.

The final seal was placed on the deviation at Quaama between 31.2 and 32.6 miles south of Narooma.

Work continued on the first stage of the Bega By-Pass between 0.5 and 2.0 miles north of Bega. This work is associated with the construction of the new bridge over the Bega River.

The Department commenced reconstruction between 8.2 and 10.9 miles south of Bega.

The Department completed construction of the Kiah deviation from 4.9 to 8.2 miles south of Eden, thus eliminating three miles of narrow winding road.

State Highway No.2 - Hume Highway

The Department continued work on the southern approaches to the new Camden Bridge together with the provision of four lanes southward to the Camden/Wollondilly Shire Boundary.

The Department continued reconstruction on the Razorback Range over a length of approximately 4.8 miles.

The reconstruction and improvement over a length of approximately 2.0 miles near Yarren Road, Bargo continued.

The reconstruction and asphaltic concrete surfacing of the Comfort Hill section immediately north of Black Bob's Creek was completed.

The Department continued construction of dual carriageways between 41.7 and 46.4 miles south of Mittagong and commenced work on the extension of these dual carriageways between 37.0 and 41.7 miles south of Mittagong.

The Department continued work on the construction of dual carriageways around the Village of Bowning between 7.4 and 10.4 miles west of Yass and commenced work between 3.5 and 7.4 miles west of Yass. The construction of twin bridges over Bowning Creek was completed.

Work commenced by the Department on reconstruction from 0.6 to 5.8 miles south of Holbrook.

The Department completed reconstruction of the section between 37.8 and 38.5 miles south of Holbrook, on the northern approach to the City of Albury.

State Highway No.4 - Snowy Mountains Highway

The Department continued reconstruction between Kiandra and Rules Point from 0.0 to 13.0 miles west of Kiandra.

Construction neared completion between 29.35 and 45.15 miles east of Tumut (Inspiration Point to Rules Point).

A deviation 0.8 miles long to by-pass Tumut commercial area was completed and channelisation at the junction with Main Road No.279 was commenced.

State Highway No.5 - Great Western Highway

From the junction with Trunk Road No.55 (five miles west of Lithgow), the Department completed dual carriageway work eastwards on the approaches to the newly completed railway overbridge at Marrangaroo.

At Kirkconnell, the Department continued work on the construction of a deviation between 21.6 and 24.4 miles west of Lithgow, and opened the section between 23.0 and 24.4 miles westwards of Lithgow to traffic.

The Department commenced reconstruction at Diamond Swamp between 20.0 and 21.6 miles westwards of Lithgow.

The Department essentially completed the work of improving the intersection of State Highways Nos.5,6 and 7 at Bathurst.

State Highway No.6 - Mid Western Highway

Reconstruction and pavement widening between 3.9 and 8.0 miles west of Blayney were completed. The Carcoar deviation from 8.0 to 10.0 miles west of Blayney was commenced. Reconstruction and pavement widening between 6.0 and 10.0 miles west of Bathurst were completed and work commenced between 10.0 and 13.0 miles west of Bathurst.

Waugoola Shire Council completed widening between 13.0 and 15.0 miles east of Cowra.

Weddin Shire Council commenced reconstruction from 28.25 to 30.0 miles west of Grenfell.

State Highway No.7 - Mitchell Highway

The Department commenced reconstruction between 2.0 and 9.8 miles west of Bathurst and completed reconstruction and bituminous surfacing between 23.1 and 26.7 miles west of Bathurst.

Orange City Council continued reconstruction of the intersection of State Highway No.7 with Trunk Road No. 61, Main Road No.573 and Prince Street, Orange.

Reconstruction continued from Cooper Hill overbridge to Three Rivers Bridge between 3.8 and 14.0 miles north of Molong.

Reconstruction and pavement widening west of Wellington between 13.4 miles at Geurie and 20.0 miles at Wongarbon was completed.

Reconstruction continued between 7.0 and 12.0 miles north of Wellington and reconstruction prior to resealing was completed between 9.0 and 13.0 miles west of Wellington.

Reconstruction and widening commenced on the section from 4.0 to 18.0 miles north of Bourke towards Barrington.

Reconstruction and bituminous surfacing were completed between 54.1 and 57.5 miles north of Bourke.

State Highway No.8 - Barrier Highway

The Department completed reconstruction and bituminous sealing on MacCulloch's Range section between 34.0 and 51.0 miles east of Wilcannia.

Work commenced on the section between 24.3 and 30.6 miles west of Broken Hill.

State Highway No. 9 New England Highway

Reconstruction continued between 13.93 and 16.1 miles from Newcastle.

Reconstruction and bituminous surfacing from Long Bridge, Maitland to Farley Road, Rutherford (0.9 to 1.67 miles west of Maitland) was continued.

Construction of approaches to a new bridge over Anvil Creek at Branxton, 14.0 miles west of Maitland was completed.

Construction of a climbing lane from 5.5 to 6.2 miles west of Singleton (at Dedman's Hill) was commenced.

Construction of the approaches to a new culvert at Wiles Gully 28.38 miles north of Murrurundi was commenced.

Reconstruction continued on the sections between 30.3 and 32.3 miles and between 41.1 and 44.0 miles north of Murrurundi.

The Department completed reconstruction and bituminous surfacing between 53.2 and 54.4 miles north of Tamworth.

The Department continued reconstruction and bituminous surfacing between 8.25 and 11.0 miles north of Glen Innes.

The Department commenced reconstruction and bituminous surfacing between 8.4 and 9.8 miles north of Tenterfield on the approaches to a proposed new bridge over the railway.

State Highway No. 10 - Pacific Highway

Construction of dual carriageways continued between 13.15 and 13.53 miles north of Gosford.

Construction commenced of dual carriageways between Naru Street, Marks Point and Robert Street, South Belmont (13.5 to 14.4 miles south of Newcastle).

Widening was completed between 19.0 and 20.2 miles north of Raymond Terrace.

Widening of formation to 44 feet was completed between North Arm Cove and Bulahdelah (21.8 to 44.0 miles north of Raymond Terrace).

Widening continued between 2.8 and 6.4 miles north of Bulahdelah.

Work was commenced on the construction of climbing lanes between 2.0 and 10.0 miles south of Taree.

Work commenced on the construction of a deviation, being the approaches to a new bridge over Wilson River and the North Coast Railway at Telegraph Point, between 22.0 and 18.0 miles south of Kempsey and work continued on a deviation between Telegraph Point and Smith's Creek from 18.0 to 10.5 miles south of Kempsey.

Work commenced on the construction of a deviation 2.2 miles long immediately north of Macksville to include a new bridge at Newee Creek.

Work commenced on the approaches for a new bridge at Teague Creek, 5.9 miles north of Macksville.

Reconstruction between 4.8 and 5.6 miles north of Coffs Harbour was completed.

Reconstruction commenced between 11.0 and 15.0 miles north of Coffs Harbour and completed between 15.0 and 15.7 miles north of Coffs Harbour.

Reconstruction was completed between 6.2 and 8.5 miles north of Ballina and continued between 8.5 and 10.5 miles north of Ballina.

Construction of a deviation at Tumbulgum between 5.5 and 7.0 miles north of Murwillumbah was completed.

Work commenced between 9.2 and 12.3 miles north of Murwillumbah.

State Highway No.10A - King Street, Newcastle.

Construction commenced between National Park Street and Stewart Avenue, Newcastle.

State Highway No.11 - Oxley Highway

Bituminous surfacing was completed between 45.0 and 46.5 miles west of Port Macquarie and thus provided a continuous 66.5 miles length of bituminous surfacing within the Shire of Hastings from Port Macquarie to Mt. Seaview.

Bituminous surfacing was completed between 14.36 and 17.4 miles and between 23.9 and 25.6 miles east of Walcha and thus provided a continuous sealed length of 25.6 miles east of Walcha.

Construction commenced on a deviation between 30.0 and 34.0 miles east of Walcha and widening commenced between 36.3 and 49.3 miles east of Walcha.

Peel Shire Council continued reconstruction and bituminous surfacing between 18.4 and 19.6 miles west of Tamworth and completed widening between 8.8 and 12.4 miles west of Tamworth.

Liverpool Plains Shire Council completed reconstruction and bituminous surfacing between 4.3 and 7.25 miles west of Gunnedah and completed widening between 15.5 and 17.0 miles west of Gunnedah.

Reconstruction and bituminous surfacing was completed between 62.66 and 63.7 miles west of Gunnedah and between 32.32 and 35.0 miles east of Coonabarabran and widening was completed between 0.0 and 10.0 miles east of Coonabarabran.

Reconstruction and bituminous surfacing was completed from 5.8 to 9.0 miles north east of Nevertire and continued from 9.0 to 13.0 miles north east of Nevertire to Warren.

State Highway No. 12 - Gwydir Highway.

The Department completed construction of heavy vehicle parking areas at 55.9 miles (both sides), 44.7 miles (north side), 44.9 miles (east side) and view points at 51.3 miles and 41.5 miles east of Glen Innes.

Severn Shire Council commenced reconstruction of the approaches to Reddestone Creek Bridge from 6.6 to 7.6 miles west of Glen Innes.

Macintyre Shire Council completed restoration of failed pavement between 19.3 and 19.9 miles east of Inverell.

Municipality of Inverell continued reconstruction from 0.2 to 1.2 miles west of Inverell.

Macintyre Shire Council completed bituminous surfacing between 5.1 and 6.6 miles west of Inverell.

Yallaroi Shire Council completed widening of formation and pavement between 6.0 and 7.0 miles east of Warialda.

Restoration of 12 feet wide bituminous pavement and 26 feet formation width was commenced by Yallaroi Shire Council from Gravesend westwards to Yallaroi/Boolooroo Shire Boundary (length 8.1 miles).

The Department continued reconstruction and bituminous surfacing between 29.0 and 32.1 miles west of Moree.

State Highway No. 14 - Sturt Highway

Wagga Wagga City Council commenced construction of a deviation between 1.0 and 2.9 miles, including channelisation of the junction with Dobney Avenue at 1.1 miles, west of Wagga Wagga.

The Department commenced reconstruction and bituminous surfacing from 3.1 to 5.2 miles, including a channelised intersection with Trunk Road No. 78 at 3.1 miles, west of Wagga Wagga.

The Department completed reconstruction and bituminous surfacing between 23.0 and 25.0 miles and between 25.4 and 28.3 miles west of Wagga Wagga.

The Department continued reconstruction and widening between 12.0 and 19.2 miles and between 51.0 and 71.0 miles west of Hay.

The Department continued widening of formation and pavement between 3.7 and 12.6 miles; between 13.9 and 19.5 miles; and between 45.6 and 49.0 miles, east of Euston. Similar work continued between 0.7 and 4.3 miles east of Balranald.

The Department continued work on the approaches to the new bridge over the Murrumbidgee River, 0.5 miles east of Balranald.

State Highway No. 16 - Bruxner Highway

Tomki Shire Council commenced construction from 30.2 to 32.3 miles from Ballina to raise the formation and improve the alignment.

Tenterfield Shire Council continued reconstruction and bituminous surfacing between 23.0 and 32.0 miles west of Tenterfield.

The Department continued reconstruction and bituminous surfacing between 14.0 and 20.0 miles and commenced similar work between 20.0 and 27.0 miles east of Bonshaw.

Ashford Shire Council continued reconstruction and bituminous surfacing between 3.0 and 6.9 miles and commenced similar work between 6.9 and 9.0 miles west of Yetman.

Yallaroi Shire Council continued reconstruction and bituminous surfacing between 11.3 and 15.0 miles and commenced similar work between 15.0 and 19.0 miles west of Yetman.

State Highway No. 17 - Newell Highway

The Department completed reconstruction and bituminous surfacing between 60.5 and 72.0 miles and between 43.5 and 55.0 miles and is continuing similar work between 55.0 and 60.5 miles north of Moree.

The Department completed bituminous surfacing to 71.3 miles south of Narrabri at the junction with State Highway No. 11.

The Department completed widening of the existing pavement from 18 feet to 22 feet between 26.6 and 31.0 miles north of Dubbo.

Reconstruction between 39.0 and 42.0 miles north of Peak Hill was commenced by the Department.

The Department completed widening of the existing pavement from 18 feet to 22 feet between 13.0 and 17.0 miles north of Forbes. Similar work continued between 9.5 and 13.0 miles and was commenced between 7.5 and 9.5 miles north of Forbes.

The Department completed widening of the pavement and formation between 5.0 and 7.4 miles north of Finley.

State Highway No. 18 - Castlereagh Highway

Pavement strengthening and formation widening prior to reseal between 11.0 and 12.5 miles north of Gilgandra was commenced by the Department.

The Department completed reconstruction and bituminous surfacing between 38.0 and 42.6 miles and continued similar work between 42.6 and 45.0 miles north of Walgett.

State Highway No. 19 - Monaro Highway.

The Department continued reconstruction between 32.1 and 35.1 miles south of Canberra.

Bibbenluke Shire Council completed reconstruction between 0.0 and 0.8 miles south of the Bombala Municipal Boundary, including the junction with Trunk Road No. 93. Council continued reconstruction between 10.0 and 10.8 miles and commenced similar work between 18.9 and 21.3 miles south of Bombala. Reconstruction between 21.3 and 22.3 miles south of Bombala was completed by Council.

State Highway No. 20 - Riverina Highway

Deniliquin Municipal Council continued reconstruction, realignment and widening between 3.0 and 5.6 miles east of Deniliquin.

State Highway No. 21 - Cobb Highway

The Department completed reconstruction between 14.0 and 16.7 miles and commenced similar work between 10.0 and 14.0 miles north of Moama.

Deniliquin Municipal Council completed reconstruction and bituminous surfacing from 0.8 to 1.4 miles south of Deniliquin on an improved alignment to the bridge over Mulwala Canal.

"Rotary" type channelisation of the intersection with Sturt Highway (State Highway No. 14) at South Hay was completed by the Department.

Hay Shire Council continued reconstruction through the township of Hay.

The Department commenced reconstruction and bituminous surfacing between 0.0 and 8.0 miles south of Barrier Highway (State Highway No.8) near Wilcannia.

State Highway No. 24 - Mt. Lindesay Highway

Kyogle Shire Council completed reconstruction and bituminous surfacing between 3.1 and 3.6 miles north of Woodenbong. Council completed widening, strengthening and bituminous surfacing between 7.1 and 9.4 miles north of Woodenbong.

State Highway No. 25 - Illawarra Highway

The Department continued reconstruction on improved alignment between 36.6 and 39.0 miles from Prince's Highway State Highway No. 1) including approaches to new bridges over Well's Creek and Black Bob's Creek.

Reconstruction of pavement through the town of Robertson was completed by the Department.

Reconstruction and provision of a climbing lane for heavy vehicles between 11.1 and 11.6 miles and between 12.2 and 12.4 miles west of Prince's Highway (State Highway No.1) was completed by the Department.

The Department commenced reconstruction and drainage through Albion Park 1.7 to 2.1 miles from Prince's Highway (State Highway No. 1).

State Highway No. 26 - Calga to Ourimbah

The Department completed construction of a third lane for slow moving vehicles between 3.8 and 4.2 miles north of Calga.

Trunk Roads

Trunk Road No. 51 - Batemans Bay - Queanbeyan

Yarrowlumla Shire Council completed reconstruction and sealing between 11.9 and 18.0 miles east of Queanbeyan and completed widening, including provision of a climbing lane, between 10.5 and 14.0 miles east of Queanbeyan.

Trunk Road No. 54 - Goulburn - Ilford

Crookwell Shire Council completed reconstruction and bituminous sealing between 21.7 and 23.4 miles north of Goulburn.

Abercrombie Shire Council completed the surface course gravelling between 24.3 and 26.3 miles south of Bathurst and commenced reconstruction between 23.7 and 24.3 miles south of Bathurst.

Turon Shire Council completed reconstruction and bituminous surfacing between 25.0 and 27.5 miles north of Bathurst.

Rylstone Shire Council completed reconstruction and bituminous surfacing between 5.5 and 6.5 miles west of Ilford.

Trunk Road No. 55 - Marrangaroo - Mullaley

At Springvale, the Department completed reconstruction and bituminous sealing between 5.1 and 5.7 miles north of Lithgow. This work included the provision of an overtaking lane.

Coolah Shire Council completed the reconstruction and bituminous surfacing between 6.3 and 7.0 miles north of Coolah, and commenced work between 7.0 and 8.1 miles north of Coolah. Council also commenced work on the construction of a 2 cell 8' x 8' box culvert at 8.2 miles north of Coolah.

Coonabarabran Shire Council commenced reconstruction between 23.0 and 25.0 miles north of Coolah.

Liverpool Plains Shire Council continued reconstruction and bitumen surfacing between 9.5 and 11.4 miles south of Mullaley.

Trunk Road No. 56 - Forbes - Hume Highway near Yass

Coodradigbee Shire Council completed reconstruction and bituminous sealing between 13.5 and 14.6 miles north of Yass including the approaches to the bridge over the Boorowa River.

Trunk Road No. 57 - Nyngan - Old Junee

Bogan Shire Council completed reconstruction and bituminous surfacing between 13.0 and 15.1 miles south of Nyngan.

Lachlan Shire Council completed reconstruction and bituminous surfacing between 43.9 and 48.3 miles north of Condobolin and between 22.0 and 26.0 miles south of Condobolin. Reconstruction and bituminous surfacing were commenced between 0.0 and 4.1 miles north of Tullamore.

Bland Shire Council commenced reconstruction and bituminous surfacing between 20.6 and 22.0 miles north of Temora.

Trunk Road No. 61 - Orange - Cobar

Canobolas Shire Council commenced reconstruction and bituminous surfacing between 2.3 and 5.6 miles west of Orange.

Cobar Shire Council completed reconstruction and bituminous sealing between 31.0 and 35.8 miles and continued reconstruction preparatory to bituminous surfacing between 35.8 and 41.0 miles south of Cobar.

Trunk Road No.62 - Scone - Coolah

Scone Shire Council commenced reconstruction and bituminous surfacing between 23.0 and 24.0 miles west of Scone.

Merriwa Shire Council completed reconstruction between 22.8 and 24.5 miles and commenced reconstruction between 21.8 and 22.8 miles west of Merriwa.

Trunk Road No.63 - Tamworth - Yetman

Cockburn Shire Council commenced reconstruction and bituminous surfacing between 15.2 and 16.7 miles north of Tamworth.

Barraba Shire Council commenced reconstruction and bituminous surfacing from 1.6 to 2.2 miles north of Barraba.

Yarraroi Shire Council completed reconstruction and bituminous surfacing from 8.5 to 9.5 miles south of Wyallda and commenced reconstruction from 28.0 to 30.6 miles north of Wyallda.

Trunk Road No. 66 - Broken Hill - Menindee

The Department commenced reconstruction and bituminous surfacing between 4.0 and 5.0 miles east of Broken Hill.

Trunk Road No.67 - Ivanhoe - Swan Hill

Balranald Shire Council commenced reconstruction to provide a gravel pavement between 86.2 and 90.4 miles and between 65.6 and 66.2 miles north of Balranald.

Trunk Road No.68 - Wentworth - Queensland Border near Mungindi

Wentworth Shire Council commenced reconstruction and bituminous surfacing between 34.3 and 46.4 miles north of Wentworth.

Trunk Road No. 70 - Coolabah - Queensland Border near Hebel

Bogan Shire Council commenced reconstruction between 0.1 and 2.6 miles north of Coolabah.

Brewarrina Shire Council continued reconstruction between 11.0 and 14.0 miles and commenced work between 14.0 and 16.3 miles north of Brewarrina.

Trunk Road No.72 - Willow Tree to Narrabri

Tamarang Shire Council commenced reconstruction between 0.2 and 1.3 miles west of Main Road No.126, together with the provision of a climbing lane on Who'd-a-thought-it Hill.

Trunk Road No.73 - Inverell - Walcha

Guyra Shire Council completed the reconstruction of the approaches to bridge over Hawkins Gully 17.6 miles south of Inverell.

Uralla Shire Council completed work between 34.1 and 35.3 miles north of Uralla to provide a sealed surface and commenced similar work between 28.3 and 31.3 miles north of Uralla.

Trunk Road No.74 - Armidale - South Grafton

Nymboida Shire Council completed reconstruction and bituminous surfacing between 30.4 and 32.6 miles; between 40.8 and 41.4 miles and between 66.7 and 67.3 miles south of Grafton.

Trunk Road No.75 - Wollombi - Kempsey

Macleay Shire Council completed reconstruction and bituminous surfacing between 29.5 and 32.0 miles east of Kempsey.

Trunk Road No.76 - Raleigh - Ebor

Reconstruction and bituminous surfacing was completed between 16.5 and 17.6 miles from Raleigh by Bellingen Shire Council.

Trunk Road No. 77 - Dunedoo - Gilgandra

Gilgandra Shire Council completed reconstruction and bituminous surfacing from 10.2 to 17.0 miles east of Gilgandra.

Trunk Road No. 78 - Cowra - Hume Highway near Ettamogah

Jindalee Shire Council completed widening and bituminous sealing between 2.3 and 6.2 miles north of Cootamundra.

Illabo Shire Council commenced reconstruction and bituminous surfacing between 19.3 and 20.6 miles north of Wagga Wagga.

Lockhart Shire Council completed reconstruction and bituminous surfacing between 20.76 and 23.32 miles south of State Highway No. 14, just south of The Rock.

Trunk Road No. 80 - Narrandera - Mossgiel

Narrandera Shire Council commenced reconstruction and bituminous surfacing between 1.0 and 1.8 miles west of State Highway No. 17 at Narrandera.

Leeton Shire Council completed reconstruction and bituminous surfacing between 9.0 and 9.9 miles west of Leeton.

Trunk Road No. 82 - Newcastle - Jesmond

The construction of dual carriageways by Newcastle City Council between Swan Street, Hamilton and Croudace Street, Lambton, was continued. Construction of the approaches to the Donald Street Overbridge were completed. Extension of the approaches between Swan and Samdon Streets was also completed. Work commenced between Chatham Road and Broadmeadow Road, including the construction of a bridge at Richardson Park.

Trunk Road No. 83 - South Grafton - Woodenbong

Reconstruction, widening and strengthening between 5.0 and 6.3 miles north of Kyogle was commenced by Kyogle Shire Council.

Trunk Road No. 84 - Bowning - Temora

Demondrille Shire Council completed the reconstruction and bituminous sealing between 2.8 and 3.6 miles west of Murrumburrah.

Jindalee Shire Council completed the reconstruction and bituminous sealing, on a short deviation, between 11.2 and 12.0 miles west of Murrumburrah, in the village of Wallendbeen.

Trunk Road No. 85 - Gilmore - Jingellic

Tumut Shire Council commenced reconstruction between 11.8 and 14.4 miles south of Gilmore.

Trunk Road No. 90 - State Highway No. 10 (Pacific Highway) - Gloucester - Purfleet

Manning Shire Council completed reconstruction and bituminous surfacing between 7.3 and 8.3 miles west of Kramback.

Trunk Road No. 91 - Pambula - Bombala

Imlay Shire Council completed reconstruction between 10.3 and 11.2 miles and commenced reconstruction between 8.6 and 10.3 miles west of State Highway No. 1 near Pambula.

Bibbenluke Shire Council continued reconstruction between 8.2 and 9.0 miles and at the approaches to the new bridge over Dragon Swamp at 9.1 miles east of Bombala. Council commenced reconstruction between 10.4 and 12.2 miles east of Bombala.

Trunk Road No. 94 - Deniliquin - Swan Hill

Murray Shire Council continued work between 23.8 and 26.6 miles and commenced reconstruction between 26.6 and 28.6 miles from Deniliquin.

Ordinary Main Roads

Main Road No. 105 - Scone - Nemingah

Scone Shire Council completed widening to 20 feet, alignment improvements and grading of the section between 0.19 and 3.32 miles east of Scone, and also completed the reconstruction of the section from 22.6 to 25.7 miles east of Scone.

Main Road No. 106 - Nundle to State Highway No. 9 at Wallabadah.

Nundle Shire Council completed the section from 1.9 to 3.3 miles west of Nundle and commenced work between 3.3 and 4.0 miles west of Nundle.

Main Road No. 108 - Adamstown Heights - Shoal Bay

The Department completed the construction of a dual carriageway on a length within the City of Newcastle and Shire of Port Stephens between North Stockton and Fern Bay.

Port Stephens Shire Council completed the construction of a 4.5 mile deviation between Fern Bay and Williamtown. The deviation links up with the approaches to the Stockton Bridge and provides a high standard flood free road.

Main Road No. 127 - Narrabri to Trunk Road No. 68

Namoi Shire Council completed reconstruction and bituminous surfacing of the sections from 0.52 to 1.07 miles and 2.55 to 3.62 miles west of Wee Waa.

Walgett Shire Council completed reconstruction and bituminous surfacing of the section from 3.4 miles west of Walgett to the junction with Trunk Road No. 68 and Main Road No. 402.

Main Road No. 132 - Barraba to Bundarra

Barraba Shire Council completed reconstruction and bituminous surfacing between 1.81 and 3.64 miles and between 5.92 and 9.21 miles east of Barraba and commenced work on the section from 3.64 to 5.92 miles east of Barraba.

Main Road No. 134 - Bingara - Delungra

Bingara Shire Council completed the reconstruction and bituminous surfacing from 6.78 to 9.32 miles north of Bingara.

Main Road No. 135 - Tingha - Guyra

Macintyre Shire Council completed reconstruction and bituminous surfacing from 23.7 to 25.0 miles south east of Inverell.

Main Road No. 136 - Inverell - Deepwater

Seven Shire Council completed the reconstruction and bituminous surfacing of the approaches to Wellington Vale Creek at 6.13 miles west of State Highway No. 9 at Deepwater.

Main Road No. 137 - Inverell - Bonshaw

Ashford Shire Council completed the reconstruction and bituminous surfacing from 7.07 to 10.65 miles and 12.19 to 13.32 miles north of Ashford.

Main Road No. 187 - Inverell - Rocky Dam

Macintyre Shire Council completed construction and bituminous surfacing of the approaches to Hunt's Gully Culvert at 10 miles north of Inverell.

Main Road No. 198 - Kempsey - South West Rocks

The Macleay Shire Council constructed a deviation through the village of Gladstone in conjunction with the approach works to a new bridge over the Macleay River.

Main Road No. 202 - Warren - Carinda

Coonamble Shire Council completed reconstruction and bituminous surfacing from 0.0 to 5.2 miles south of Quambone towards Warren.

Main Road No. 206 - Dubbo - Dunedoo

Wellington Shire Council commenced work between 15.8 and 19.4 miles from Dunedoo and completed work on the section from 28.5 to 32.0 miles from Dunedoo.

Main Road No. 209 - Muswellbrook - Sandy Hollow

Denman Shire Council completed the reconstruction and bituminous surfacing between 1.3 and 3.0 miles west of Muswellbrook.

Main Road No. 211 - Wagga Wagga to Holbrook

Kyeamba Shire Council completed reconstruction and the section from 13.91 to 15.04 miles south of Wagga Wagga and commenced reconstruction of the section from 9.93 to 11.28 miles south of Wagga Wagga.

Main Road No. 213 - Mount Thorley - Main Road No. 209 near Denman

Patrick Plains Shire Council completed reconstruction and bituminous surfacing between 7.1 and 8.8 miles westerly from Main Road No.503.

Main Road No. 214 - Cassilis to five miles north of Mudgee

Cudgegong Shire Council completed reconstruction and bituminous surfacing works between 16.5 and 18.8 miles north of Mudgee.

Main Road No. 215 - Ilford - Bylong

Rylstone Shire Council completed surface course gravelling and primer sealing between 9.41 and 9.63 miles north of Rylstone and reconstruction and bituminous surfacing from 9.63 to 10.23 miles north of Rylstone.

Main Road No. 217 - Wallsend - Wyong

Lake Macquarie Shire Council completed the construction of a deviation between Booragul and Fennell Bay, 3.3 to 4.4 miles from Cockle Creek Railway Station and also completed the construction of the approaches to the new bridges over Cockle Creek.

Main Road No. 232 - Moree - Boonangar

Booolooroo Shire Council completed reconstruction and bituminous surfacing from 1.68 to 3.0 miles and 5.3 to 6.3 miles north of Moree.

Main Road No. 233 - Gulgong - Parkes

Cudgegong Shire Council completed reconstruction and bituminous surfacing between 22.0 and 24.95 miles west of Gulgong. This completed the bituminous surfacing from Gulgong to Wellington.

Molong Shire Council completed the reconstruction from 28.6 to 32.0 miles south of Wellington on the Yeoval to Baldry section.

Goobang Shire Council completed construction of approaches to Goobang Creek at 9.0 miles east of Parkes.

Main Road No. 237 - Grenfell - Orange

Weddin Shire Council completed reconstruction and bituminous surfacing from 10.2 to 13.1 miles north of Grenfell.

Reconstruction and bituminous surfacing between 23.3 and 25.4 miles north of Grenfell were completed by Waugoola Shire Council.

Main Road No. 238 - Canowindra - Parkes

Jemalong Shire Council completed reconstruction and bituminous sealing from 13.8 to 17.1 miles north of Eugowra.

Main Road No. 241 - Temora - Young - Gunning

Narraburra Shire Council completed reconstruction and bituminous surfacing from 14.56 to 18.5 miles east of Temora.

Burrangong Shire Council completed reconstruction between 21.0 and 23.0 miles west of Young.

Main Road No. 255 - Tarana - Oberon

Oberon Shire Council completed bituminous surfacing between 1.6 and 4.1 miles north of Oberon.

Main Road No. 256 - Goulburn - Oberon

Mulwaree Shire Council completed reconstruction and bituminous surfacing between 17.9 and 19.3 miles and between 21.02 and 22.17 miles north of Goulburn.

Main Road No. 259 - Camden - Nattai River Hall

The Department commenced work on a deviation of 2.2 miles westward from the junction with the Hume Highway on the southern approach to the new Camden Bridge.

Main Road No. 264 - Robertson - Kiama

Wingecarribee Shire Council completed reconstruction and bituminous surfacing between 0.5 and 2.2 miles from the Illawarra Highway (State Highway No. 25).

Main Road No. 265 - Sheepwash Bridge - Fitzroy Falls

Wingecarribee Shire Council and Mittagong Shire Council completed the construction of a deviation 2.3 miles in length involving a new bridge over the Wingecarribee River.

Main Road No. 268 - Tarago - Bungendore

Yarrowlumla Shire Council completed reconstruction and bituminous sealing between 22.64 and 24.3 miles from Queanbeyan.

Main Road No. 271 - Braidwood - Moruya

Eurobodalla Shire Council completed reconstruction between 3.65 and 4.17 miles west of Moruya and on the approaches to the new culvert at Badgery's Creek.

Main Road No. 273 - Bega - Snowy Mountains Highway

Mumbulla Shire Council completed work on the approaches to the new bridge over Spring and Grosses Creeks at 3.4 miles and 3.5 miles west of Bega.

Main Road No. 278 - Yass - Tumut

Goodradigbee Shire Council completed reconstruction and bituminous sealing between 8.1 and 9.2 miles south of Yass.

Main Road No. 279 - Tumut - Gundagai

Tumut Shire Council completed reconstruction and bituminous surfacing between 10.4 and 10.96 miles north of Tumut.

Gundagai Shire Council commenced reconstruction and bituminous surfacing between 8.2 and 10.35 miles south of Gundagai and widened the section between 5.7 and 7.2 miles south of Gundagai from 16 feet to 20 feet.

Main Road No. 282 - Tumbarumba - Jingellic - Mullengandra

Tumbarumba Shire Council completed reconstruction and bituminous surfacing from 16.9 to 17.65 miles south of Tumbarumba.

Main Road No. 286 - Cooma - Mount Kosciusko

Snowy River Shire Council completed to prime stage the reconstruction from 4.4 to 6.6 miles west of Cooma.

Main Road No. 296 - Pretty Pine to Moulamein

Windouran Shire Council completed reconstruction and bituminous surfacing of the section from 56.6 to 61.3 miles west of Deniliquin which now gives a dust free surface for the full length of Main Road No. 296.

Main Road No. 316 - Newcastle West - Mayfield West

Newcastle City Council completed the construction of dual carriageways along Industrial Drive including interim channelisation at the Tourle and Werribi Street Junctions and the junction with State Highway No. 10.

Main Road No. 321 - State Highway No. 17 at 10 miles north of Jerilderie - State Highway No. 6 at nine miles west of Rankin's Springs

Murrumbidgee Shire Council completed reconstruction and bituminous surfacing between 30.74 and 32.74 miles and between 37.9 and 41.9 miles north of State Highway No. 17.

Carrathool Shire Council completed reconstruction and bituminous surfacing between 2.3 and 7.0 miles north of Wade Shire Boundary.

Wade Shire Council commenced reconstruction and bituminous surfacing from 0.6 to 1.5 miles south of Griffith.

Main Road No. 331 - Berrigan - Jingellic

Berrigan Shire Council completed reconstruction and bituminous surfacing between 11.25 and 14.2 miles east of Berrigan.

Corowa Shire Council completed reconstruction and bituminous surfacing from 5.4 to 6.0 miles east of Main Road No. 131.

Culcairn Shire Council completed reconstruction and bituminous surfacing between 12.97 and 18.52 miles west of Culcairn.

Holbrook Shire Council continued reconstruction between 22.6 and 28.6 miles east of Holbrook.

Main Road No. 350 - Tullamore - Forbes

Goobang Shire Council completed reconstruction and bituminous surfacing from 5.0 to 10.0 miles north of Trundle.

Main Road No. 357 - Manilla - Boggabri

Manilla Shire Council commenced reconstruction and bituminous surfacing between 10.2 and 11.8 miles west of Manilla.

Main Road No.367 - Garah - Mungindi

Boomi Shire Council completed reconstruction and bituminous surfacing between 11.4 and 14.2 miles south of Mungindi.

Main Road No. 377 - Boree - Condobolin

Boree Shire Council completed reconstruction and bituminous surfacing between 33.0 and 46.0 miles from Orange towards Forbes.

Main Road No. 380 - Trunk Road No. 56 near Boorowa - Cunnigar

Boorowa Shire Council completed reconstruction and bituminous surfacing between 1.6 and 3.5 miles west of Trunk Road No. 56. A dustless surface is now provided for the full length of the road.

Main Road No. 385 - Morundah - Urana

Urana Shire Council completed the reconstruction and bituminous surfacing from 10.4 to 15.4 miles north of Urana.

Main Road No. 387 - Temora - Griffith

Temora Municipal Council completed the reconstruction and bituminous surfacing from 0.79 to 1.85 miles west of Temora.

Main Road No. 398 - Grenfell - Barmedman - Dullah

Weddin Shire Council completed reconstruction and bituminous surfacing between 18.7 and 21.7 miles from Grenfell and commenced reconstruction and bituminous surfacing between 24.7 and 27.7 miles from Grenfell.

Bland Shire Council completed reconstruction and bituminous surfacing from 2.03 to 7.69 miles west of Barmedman.

Coolamon Shire Council completed reconstruction and bituminous surfacing between 2.0 and 3.5 miles north of Main Road No. 240.

Main Road No. 433 - Menindee - Cobb Highway (State Highway No. 21)

Central Darling Shire substantially completed reconstruction and graveling between 37.0 and 49.0 miles west of Darnick.

Main Road No. 503 - Wilberforce - Singleton

The Department completed the widening of cuttings, strengthening and widening of pavement between Howes Creek and Roberts Creek, 7.4 to 10.2 miles north of Windsor.

The Department also commenced reconstruction of the approaches to the bridge over Boggy Swamp Creek, 48.06 miles south of Singleton.

Main Road No. 505 - From Main Road No. 336 - Terrigal

Gosford Shire Council continued reconstruction on the section between 0.2 and 2.6 miles from Main Road No. 336.

Main Road No. 514 - Hay to Penarie

Hay Shire Council completed reconstruction and bituminous surfacing from 37.15 to 39.15 miles west of Hay.

Main Road No. 531 - Cullen Bullen - Great Western Highway near Marrangaroo

Blaxland Shire Council completed the reconstruction and bituminous surfacing of a deviation between 2.3 and 3.3 miles north of the Great Western Highway (State Highway No. 5).

Main Road No. 543 - The Rock - Coolamon

Mitchell Shire Council completed reconstruction and bituminous surfacing between 29.3 and 31.0 miles and between 31.6 and 32.2 miles north of The Rock.

Main Road No. 547 - Jindera - Walla Walla - Main Road No. 331.

Hume Shire Council completed reconstruction and bituminous surfacing between 18.42 and 21.91 miles north of Albury.

Main Road No. 566 - Junction of Stephen and High Streets, Bombala Railway Station.

A deviation to by-pass the village of Smithtown and a new junction with Main Road No. 198 were constructed by Macleay Shire Council as part of the approaches to the new bridge over the Macleay River.

Main Road No. 572 - Narromine - Eumungerie

Timbreebongie Shire Council completed reconstruction and bituminous surfacing from 9.4 to 12.0 miles north of Narromine.

Main Road No. 576 - Cowra - Wyangala Dam

Waugoola Shire Council substantially completed reconstruction and bituminous surfacing from 11.5 to 12.8 miles south of Cowra.

Main Road No. 596 - Morundah - Main Road No. 321.

Jerilderie Shire Council completed reconstruction and bituminous surfacing from 0.0 to 6.1 miles east of Main Road No. 321.

Developmental Roads And Works

Developmental Road No. 1150 - Rockhurst - Giro and branch to Tiri Crossing

Gloucester Shire Council continued construction between 18.6 and 20.4 miles north of Gloucester.

Developmental Road No. 1171 - Welaregang - Towong

Tumbarumba Shire Council completed construction and gravelling of the section from 3.5 to 5.45 miles east of Main Road No. 281.

Developmental Road No. 1179 - Sections of Coaldale Road from Main Road No. 150.

Copmanhurst Shire Council completed reconstruction between 6.8 and 9.6 miles from Main Road No. 150.

Developmental Road No. 1255 - Coybill Creek to Trunk Road No. 55

Coonabarabran Shire Council completed reconstruction from 9.0 to 11.0 miles east of Binnaway.

Developmental Road No. 1263 - Part of Paddington - Ivanhoe Road between Kiama and Wallangarra

Cobar Shire Council constructed a gravel pavement between 0.0 and 11.0 miles south from Kiama.

Developmental Road No. 1268 - Jinden Creek - Kybeyan

Tallaganda Shire Council continued reconstruction of the section from 42.7 miles to the Monaro Shire Boundary at 49.1 miles south of Braidwood.

Monaro Shire Council completed reconstruction between 23.0 and 25.0 miles north of the Kybeyan River.

Developmental Road No. 1304 - Uarbry Road

Merriwa Shire Council completed work on the section from Curryall School to the Shire Boundary between 2.95 and 6.76 miles west of Main Road No. 214.

Coolah Shire Council continued reconstruction and bituminous surfacing between 15.3 and 21.3 miles east of Trunk Road No. 55.

Developmental Road No. 1317 - Walcha - Topdale

Walcha Shire Council completed construction between 13.5 and 16.5 miles from Walcha and commenced construction between 16.5 and 20.5 miles.

Council also commenced construction of a bridge over Smith's Creek at 24.0 miles from Walcha.

Developmental Road No. 1318 - Tuttles Lane

Severn Shire Council completed reconstruction of Tuttles Lane from State Highway No. 12 at 2.45 miles west of Glen Innes to Main Road No. 382.

Developmental Work No. 3196 - Keera Creek

Bingara Shire Council completed the construction of a bridge over Keera Creek at 18.5 miles south east of Bingara.

Developmental Work No. 3221 - Olinda - Nullo Mountains Road

Rylstone Shire Council has completed the construction of nine pipe culverts and the associated earthworks and gravelling on the Olinda to Nullo Mountains Road between 0.80 and 6.35 miles from Narrango Road.

Tourist Roads And Unclassified Roads

Tourist Road No. 4051 - East Ballina - Lennox Head

Tintenbar Shire Council continued work on the section from Skennar's Road to Lennox Head, between 2.6 and 4.5 miles from the Shire Boundary.

Unclassified Road - Approaches to the New Bridge over Brisbane Water at The Rip

Gosford Shire Council commenced construction work on both the eastern and western approaches.

BRIDGE CONSTRUCTION

General

During the year fifty five bridges, two pedestrian structures and sixty two "bridge size" box culverts, i.e. with a waterway width of twenty feet or more, were made available for traffic. In addition, widening works were completed on ten bridges, two of which were widened for extra lanes and five structures were extended in length.

The 126 structures are situated generally on Main and Developmental Roads.

At the end of the year, 109 bridges, 56 culverts and one pedestrian structure were under construction, or completed, but not opened to traffic. In addition, widening of eight structures was in hand, extra lanes being provided in three cases, and modification to the superstructure of one bridgework was in hand. Of these 175 bridgeworks, 50 were completed at the end of the year, but were not opened to traffic because associated roadworks were incomplete.

A table showing the number of structures completed on each road classification is set out below.

	F'ways	S.H.'s	Trunk Roads	Ord. Main Roads	Develop. and Unclass.	County Roads (future M.R.'s)	Tourist Roads	Total
Bridges	13	16	8	15	2	1	-	55
Bridge Size Culverts	5	16	10	20	11	-	-	62
Pedestrian Structures	-	2	-	-	-	-	-	2
Widening Extra Lanes	-	-	-	2	-	-	-	2
Extensions	-	2	3	-	-	-	-	5
TOTAL	18	35	21	38	13	1	-	126

Of the completed bridges, thirty five were built by the Department (20 by contract), nineteen by Councils (14 by contract) and one by the Department of Railways.

Twenty two of the culverts were built by the Department (5 by contract) and forty by Councils (10 by contract).

Of the remaining nine structures, which includes estensions, widenings for extra lanes and pedestrian structures, 5 were built by the Department (one by contract).

Principal Bridgeworks Completed During the Year and opened to traffic

Viaduct Structure - Western Distributor

The Department completed construction of the first stage of the Western Distributor south of Sydney Harbour Bridge. This viaduct is a reinforced concrete box girder structure supported on reinforced concrete columns up to 74 feet high. The first stage is 2040 feet long and provides two traffic lanes in each direction.

Wallgrove Road - Western Freeway

The Department completed construction, partly with its own forces and partly by contract of a four span prestressed concrete bridge to carry Wallgrove Road over the Western Freeway. The new structure is 261 feet long, provides three traffic lanes and one footway.

Chatsworth Road, Mount Druitt - Western Freeway

The Department completed construction partly with its own forces and partly by contract of a four span prestressed concrete bridge to carry Chatsworth Road over the Western Freeway. The new structure is 311 feet long, provides two traffic lanes and one footway.

Roper Street, St Marys - Western Freeway

The Department completed construction of a four span prestressed concrete bridge to carry Roper Street over the Western Freeway. The new structure is 290 feet long, provides three traffic lanes and one footway.

Bennett Road, St Marys - Western Freeway

The Department completed construction by contract of a four span prestressed concrete bridge to carry Bennett Road over the Western Freeway. The new structure is 261 feet long, provides two traffic lanes and one footway.

St Andrews Road - South Western Freeway

The Department completed construction by contract of a three span prestressed concrete bridge to carry St Andrews Road over the South Western Freeway. The new structure is 364 feet long, provides two traffic lanes and one footway.

State Highway No.2 at Prestons - South Western Freeway

The Department completed construction by contract of a three span prestressed concrete bridge to carry State Highway No. 2 over the South Western Freeway. The new structure is 280 feet long, provides two traffic lanes and one footway.

Berkeley Road - Southern Freeway

The Department completed construction by contract of a three span composite steel and prestressed concrete bridge to carry Berkeley Road over the Southern Freeway. The new structure is 217 feet long, provides two traffic lanes and one footway.

Flagstaff Road - Southern Freeway

The Department completed construction by contract of a three span composite steel and prestressed concrete bridge to carry Flagstaff Road over the Southern Freeway. The new structure is 217 feet long, provides two traffic lanes and one footway.

Loftus Railway Overbridge - State Highway No. 1

The Department completed construction of a single span prestressed concrete bridge over the South Coast Railway Line at Loftus. The new structure is 119 feet long, provides four traffic lanes and replaced a timber beam bridge 74 feet long.

Mullet Creek - State Highway No. 1 - Princes Highway

The Department completed construction by contract of two prestressed concrete bridges (one of eight spans and one of four spans) to carry the Princes Highway over Mullet Creek. The main structure is 602 feet long and the approach structure 120 feet long. They provide two traffic lanes and one footway together they replace two timber bridges and one reinforced concrete bridge 210 feet, 122 feet and 147 feet respectively.

Whelans Swamp - State Highway No. 1 - Princes Highway

The Department completed construction by contract of an eight span composite steel and concrete bridge over Whelans Swamp at 7.1M. south of Eden. The new structure is 482 feet long and provides two traffic lanes as part of the Kiah Deviation of the Princes Highway.

Macarthur Road - State Highway No. 2 - Hume Highway

The Department completed construction partly with its own forces and partly by contract of a prestressed concrete bridge to carry the deviations of State Highway No. 2 over Macarthur Road. The new structure is 96 feet long and provides three traffic lanes.

Nepean River at Camden - State Highway No. 2 - Hume Highway

The Department completed construction by contract of a twenty six span steel and concrete bridge over the Nepean River at Camden about one mile upstream of the present crossing. The new structure is 3380 feet long, each span being 130 feet long, provides two traffic lanes and one footway. The pile foundations were constructed by the Department's own forces.

Narambulla Creek - State Highway No. 2 - Hume Highway

The Department completed construction of a five span steel and concrete bridge over Narambulla Creek 42.10M. south of Mittagong. The new structure is 203 feet long and together with the old five span steel and concrete bridge, provides four traffic lanes as part of a divided carriageway.

Marrangaroo Railway Overbridge - State Highway No. 5 - Great Western Highway

The Department completed construction of a three span reinforced concrete bridge over the Main Western Railway Line at Marrangaroo. The new structure is 162 feet long, provides four traffic lanes and replaced a steel and concrete bridge 38 feet long.

Bell River at Claremont - State Highway No. 7 - Mitchell Highway

The Department completed construction by contract of a three span composite steel and concrete bridge over the Bell River at Claremont. The new structure is 170 feet long, provides two traffic lanes and replaced a timber bridge.

Sandy Creek - State Highway No. 11 - Oxley Highway

The Department completed construction by contract of a seventeen span prestressed concrete bridge over Sandy Creek. The new structure is 595 feet long, provides two traffic lanes and replaced a timber bridge 483 feet long.

Murrumbidgee River at Balranald - State Highway No. 14 - Sturt Highway

The Department completed construction by contract of a seven span composite steel and concrete bridge over the Murrumbidgee River at Balranald. The new structure is 470 feet long, provides two traffic lanes and one footway and replaced a timber bridge 433 feet long.

Murrumbidgee River at Hay - State Highway No. 21 - Cobb Highway

The Department completed construction by contract of a six span steel and concrete bridge over the Murrumbidgee River at Hay. The new structure is 638 feet long, provides two traffic lanes and one footway and replaced a timber bridge 786 feet long.

Donald Street, Hamilton - Railway Overbridge - Trunk Road No. 82

The Department of Railways completed construction of a four span steel and concrete bridge over the Main Northern Railway Line at Donald Street, Hamilton. The new structure is 210 feet long, provides four traffic lanes and two footways and eliminated a level crossing.

Deep Creek - Trunk Road No. 83

Tomki Shire Council completed construction of a three span prestressed concrete bridge over Deep Creek 5.6 miles south of Casino. The new structure is 180 feet long, provides two traffic lanes and replaced a timber bridge 133 feet long.

Dragon Swamp at Cathcart - Trunk Road No. 91

The Department completed construction of a four span prestressed concrete bridge over Dragon Swamp at Cathcart. The new structure is 300 feet long, provides two traffic lanes and one footway and replaced a timber bridge 92 feet long.

Cockle Creek at Teralba - Main Road No. 217

The Department completed construction by contract of two eight span prestressed concrete bridges over the North and South Arms of Cockle Creek at Teralba. Each new structure is 576 feet long, provides two traffic lanes and one footway. These bridges, together with a deviation about one mile long, replaced a timber truss bridge 342 feet long (Watkins Bridge).

Glenquarry Cut - Main Road No. 263

Mittagong Shire Council completed construction by contract of a three span prestressed concrete bridge over Glenquarry Cut which will be part of the Shoalhaven Water Supply Scheme. The new structure is 234 feet long and provides two traffic lanes.

Wingecarribee River - Main Road No. 265

Mittagong Shire Council completed construction by contract of a four span prestressed concrete bridge over Wingecarribee River. The new structure is 225 feet long, provides two traffic lanes and replaced two timber bridges each 50 feet long.

Lake Illawarra at Windang - Main Road No. 522

The Department completed construction by contract of a widened bridge over Lake Illawarra at Windang. The old bridge consisted of 33/30 feet spans of timber beam superstructure on concrete piers and provided two traffic lanes. The new structure which incorporates the old concrete piers is of concrete construction, provides four traffic lanes and two footways.

Macleay River at Smithtown - Main Road No. 556

The Department completed construction by contract of a ten span prestressed concrete bridge over the Macleay River at Smithtown. The new structure is 1127 feet long, provides two traffic lanes and one footway. The bridge replaced the vehicular ferry between Smithtown and Gladstone.

Quirindi Creek at Wallabadah - Developmental Work No. 3210

Tamarang Shire Council completed construction by contract of a five span prestressed concrete bridge over Quirindi Creek at Wallabadah. The new structure is 203 feet long, provides one traffic lane and replaced a concrete causeway.

Freeway and other Principal Bridgeworks

Completed During the Year but not

Opened to Traffic

Silverwater Road, Auburn - Western Freeway

The Department completed construction by contract of a three span prestressed concrete bridge to carry the Western Freeway over Silverwater Road. The new structure is 171 feet long and will provide four traffic lanes.

First Crossing Main Road No. 177 - South Western Freeway

The Department completed construction partly with its own forces and partly by contract of a four span prestressed concrete bridge to carry Campbelltown Road over the South Western Freeway. The new structure is 303 feet long, will provide two traffic lanes and one footway.

Cawley Road - Southern Freeway

The Department completed construction by contract of a two span prestressed concrete bridge to carry Cawley Road over the Southern Freeway at 28.3M. from Sydney. The new structure is 207 feet long and will provide two traffic lanes.

State Highway No. 1 at 27.2 miles from Sydney - Southern Freeway

The Department completed construction by contract of a two span prestressed concrete bridge to carry the southbound carriageway of State Highway No. 1 over the Southern Freeway at 27.2 miles south of Sydney. The new structure is 367 feet long and will provide two traffic lanes.

Bell River at Three Rivers - State Highway No. 7 - Mitchell Highway

The Department completed construction by contract of a six span prestressed concrete bridge over Bell River. The structure is 360 feet long, will provide two traffic lanes, and will replace a timber bridge 128 feet long.

Georges River at Alfords Point - County Road No. 5016

The Department completed construction by contract of an eleven span prestressed concrete bridge over Georges River at Alfords Point. The new structure is 1453 feet long, will provide two traffic lanes and one footway. The foundations were also constructed to provide for future widening of the superstructure.

Principal Bridgeworks in Progress at the Beginning of the Year and not completed

Darling Harbour Viaduct - North Western Freeway

The Department continued construction of the first stage of a complex viaduct structure to carry the North Western Freeway from the City over Darling Harbour Goods Yard to Pyrmont. The whole complex will comprise 166 spans, mainly composite steel and concrete with some reinforced concrete and prestressed concrete. The main structure will be 2645 feet long and will provide up to eleven traffic lanes with four freeway lanes at the western end. The first stage of construction will provide six traffic lanes.

Hawkesbury River at Peats Ferry - Sydney - Newcastle Freeway

The Department continued construction by contract of a twelve span steel and reinforced concrete bridge over the Hawkesbury River at Peat's Ferry. The new structure will be 2041 feet long and will provide six traffic lanes.

Second Crossing Main Road No. 177 - South Western Freeway

The Department continued construction partly with its own forces and partly by contract of two three-span prestressed concrete bridges in tandem, to carry Campbelltown Road over the South Western Freeway. Each structure will be 293 feet long and each will provide two traffic lanes and one footway.

Loading Ramp at 30.5M. from Sydney - South Western Freeway

The Department continued construction partly by its own forces and partly by contract of a four span prestressed concrete bridge to carry a loading ramp from Main Road No. 177 over the South Western Freeway. The structure will be 675 feet long and will provide two traffic lanes.

State Highway No. 1 at 34.5 miles from Sydney - Southern Freeway

The Department continued construction by contract of a two span prestressed concrete bridge to carry State Highway No. 1 over the Southern Freeway at 34.5 miles south of Sydney. The structure will be 353 feet long, will provide two traffic lanes and one footway.

State Highway No. 1 at 38.7 miles from Sydney - Southern Freeway

The Department continued construction by contract of a three span prestressed concrete bridge to carry the south-bound off-loading ramp of the Southern Freeway over the north-bound carriageway of State Highway No. 1 at 38.7 miles south of Sydney. The structure will be 221 feet long and will provide two traffic lanes.

Main Road No. 177 at 39.57M. South of Sydney - Southern Freeway

The Department continued construction by contract of a three span prestressed concrete bridge to carry Main Road No. 177 over the Southern Freeway at 39.57M. south of Sydney. The structure will be 425 feet long and will provide four traffic lanes.

Four Mile Creek - State Highway No. 9 - New England Highway

The Department continued construction of twin five span prestressed concrete bridges over Four Mile Creek 4.8M. south of Maitland. Each structure will be 175 feet long, and provide four traffic lanes. They will replace a concrete bridge 77 feet long.

Wilson River at Telegraph Point - State Highway No. 10 Pacific Highway

The Department continued construction by contract of a thirteen span prestressed concrete bridge over the Wilson River at Telegraph Point. The structure will be 1836 feet long, will provide two traffic lanes and one footway. It will replace a timber bridge 405 feet long with a steel lift-span and will eliminate a railway level crossing.

Gunningbar Creek - State Highway No. 11 - Oxley Highway

The Department continued construction by contract of a four span steel and concrete bridge over Gunningbar Creek at 0.44M. south of Warren. The structure will be 220 feet long, will provide two traffic lanes and will replace a timber bridge 102 feet long.

Deep Creek (Piora Bridge) - State Highway No. 16 - Bruxner Highway

The Department continued construction of a seven span reinforced concrete bridge over Deep Creek at Piora 13.2M. west of Casino. The structure will be 420 feet long, will provide two traffic lanes and will replace a timber bridge 123 feet long.

Lachlan River at Narrawa - Main Road No. 248

Crookwell Shire Council continued construction by contract of a six span steel and concrete bridge over the Lachlan River at Narrawa. The structure will be 481 feet long, will provide two traffic lanes and will replace a timber bridge 213 feet long.

Colligen Creek - Developmental Road No. 1272

Murray Shire Council continued construction by contract of a seven span steel and concrete bridge over Colligen Creek. The structure will be 211 feet long, will provide two traffic lanes and will replace a timber bridge 210 feet long.

Wyaldra Creek - Developmental Work No. 3216

Cudgegong Shire Council continued construction of a seven span pre-stressed concrete bridge over Wyaldra Creek on the Gulgong - Meratherie Road. The structure will be 326 feet long and will provide two traffic lanes and replace a concrete causeway.

The Rip at the entrance to Brisbane Water

The Department continued construction by contract of a three span prestressed concrete cantilever truss bridge over The Rip at the entrance to Brisbane Water. The structure will be 1083 feet long with a main span of 600 feet. It will provide two traffic lanes and one footway.

Principal Bridgeworks Commenced During the Year and not Completed

Haslams Creek Stormwater Channel - Western Freeway

The Department commenced construction by contract of a three span prestressed concrete bridge to carry the westbound carriageway over Haslams Creek Stormwater Channel at Auburn. The structure will be 251 feet long and will provide two traffic lanes.

Horsley Road - Western Freeway

The Department commenced construction by contract of twin single span prestressed concrete bridges to carry the Western Freeway over Horsley Road at Eastern Creek. Each new structure will be 70 feet long and will provide four traffic lanes.

Eastern Creek - Western Freeway

The Department commenced construction by contract of twin four span prestressed concrete bridges over Eastern Creek. Each new structure will be 142 feet long and will provide four traffic lanes.

Bega River - State Highway No. 1 - Princes Highway

The Department commenced construction by contract of a twenty three span prestressed concrete bridge over the Bega River at Bega. The new structure will be 2046 feet long, will provide two traffic lanes and one footway and will replace a one lane timber truss bridge 433 feet long.

Richardson Road - State Highway No. 2 - Hume Highway

The Department commenced construction partly with its own forces and partly by contract of a single span prestressed concrete bridge to carry State Highway No. 2 over Richardson Road at Camden. The new structure will be 110 feet long and will provide four traffic lanes.

Paddys River - State Highway No. 2 - Hume Highway

The Department commenced construction by contract of twin 3 span prestressed concrete bridges over Paddys River at 17.52M. south of Berrima. Each new structure will be 227 feet long and will provide two traffic lanes. These structures will replace a timber beam bridge 209 feet long.

Camden Road - Main Road No. 178 - South Western Freeway

The Department commenced construction by contract of a three span prestressed concrete bridge to carry Main Road No. 178 over the South Western Freeway. The structure will be 237 feet long and will provide two traffic lanes.

Murrumbidgee River at Gundagai - State Highway No. 2 - Hume Highway

The Department commenced construction of the bored pile foundations for a twenty four span composite steel and concrete bridge over the Murrumbidgee River on a deviation of the Hume Highway to bypass Gundagai. The new structure will be 3720 feet long and will provide two traffic lanes. A steel truss and timber beam bridge, 3040 feet long on the present route of the highway will be retained for local traffic.

Belubula River - State Highway No. 6 - Mid Western Highway

The Department commenced construction by contract of a five span prestressed concrete bridge over the Belubula River at Carcoar. The new structure will be 319 feet long will provide two traffic lanes and will be on a deviation.

Eulamore Street at Carcoar - State Highway No. 6 - Mid Western Highway

The Department commenced construction by contract of a three span prestressed concrete bridge to carry State Highway No. 6 over Eulamore Street at Carcoar. The new structure will be 151 feet long and will provide two traffic lanes on a deviation.

Mount Macquarie Road at Carcoar - State Highway No. 6 - Mid Western Highway

The Department commenced construction by contract of a single span prestressed concrete bridge to carry State Highway No. 6 over Mount Macquarie Road at Carcoar. The new structure will be 62 feet long and will provide three traffic lanes on a deviation.

Molong Creek - State Highway No. 7 - Mitchell Highway

The Department commenced construction by contract of three span composite steel and concrete bridge over Molong Creek at Larras Lee. The new structure will be 170 feet long and will provide two traffic lanes and replace a concrete bridge 84 feet long.

Grassmere Creek Overflow - State Highway No. 8 - Barrier Highway

The Department commenced construction by contract of a twenty three span prestressed concrete bridge over Grassmere Creek Overflow 26.6M. west of Wilcannia. The new structure will be 420 feet long, will provide two traffic lanes and will replace an open causeway.

Newee Creek - State Highway No. 10 - Pacific Highway

The Department commenced construction by contract of a five span prestressed concrete bridge over Newee Creek at 1M. north of Macksville. The new structure will be 387 feet long, will provide two traffic lanes and will replace a one lane timber bridge 178 feet long.

Ellenborough River - State Highway No. 11 - Oxley Highway

The Department commenced construction by contract of a five span prestressed concrete bridge over Ellenborough River at Ellenborough. The new structure will be 330 feet long, will provide two traffic lanes and will replace a single lane timber truss bridge 252 feet long.

Namoi River - State Highway No. 17 - Newell Highway

The Department commenced construction by contract of a five span prestressed concrete bridge over the Namoi River at Narrabri. The new structure will be 323 feet long, will provide two traffic lanes and will replace a narrow timber truss bridge 214 feet long.

Courallie Creek (Gurley Bridge) - State Highway No. 17 - Newell Highway

The Department commenced construction by contract of an eight span prestressed concrete bridge over Courallie Creek 16M. south of Moree. The new structure will be 280 feet long, will provide two traffic lanes and will replace a timber bridge 213 feet long.

Cooma Creek at Cooma. State Highway No. 19 - Monaro Highway

The Department commenced construction of a four span prestressed concrete bridge over Cooma Creek at Cooma. The new structure will be 180 feet long, will provide two traffic lanes, one footway and will replace a timber bridge 120 feet long.

Four Mile Break - State Highway No. 22 - Silver City Highway

The Department commenced construction by contract of a twenty one span prestressed concrete bridge over Four Mile Break 5M. north of Wentworth. The new structure will be 440 feet long, will provide two traffic lanes and will eliminate an open causeway.

Queanbeyan River at Queanbeyan. Trunk Road No. 51

The Department commenced construction by contract of a six span steel and concrete bridge over the Queanbeyan River at Queanbeyan. The new structure will be 462 feet long, will provide two traffic lanes and two footways. It will replace a timber truss bridge 340 feet long and will incorporate the piers of the old bridge.

Bullock Creek - Trunk Road No. 57

The Department commenced construction by contract of a six span prestressed concrete bridge over Bullock Creek 0.5M. west of Tullamore. The new structure will be 210 feet long, will provide two traffic lanes and will replace a concrete causeway.

Middle Billabong Creek - Trunk Road No. 80

Carrathool Shire Council commenced construction by contract of a ten span reinforced concrete bridge over Middle Billabong Creek 24M. west of Hillston. The new structure will be 200 feet long, will provide two traffic lanes and will replace a one lane timber bridge 125 feet long.

Bland Creek at Stockinbingal - Trunk Road No. 84

Jindalee Shire Council commenced construction by contract of a five span prestressed concrete bridge over Bland Creek at Stockinbingal and three reinforced concrete slab bridges in the eastern approach, having five, four and two spans respectively. The new structures are 150 feet, 104 feet, and 38 feet long respectively, will provide two traffic lanes and will replace a timber bridge 61 feet long.

Rocky Mouth Creek - Main Road No. 145

Woodburn Shire Council commenced construction by contract of a four span prestressed concrete bridge over Rocky Mouth Creek at junction with State Highway No. 10. The new structure will be 202 feet long, will provide two traffic lanes and a footway, and will replace a narrow timber beam bridge 158 feet long.

Sandy Creek - Main Road No. 206

Coolah Shire Council commenced construction by contract of a six span prestressed concrete bridge over Sandy Creek at 15.4M. west of Dunedoo. The new structure will be 213 feet long, will provide two traffic lanes and will replace a timber bridge 85 feet long.

Tarlo River - Main Road No. 256

Mulwaree Shire Council commenced construction by contract of a 7 span prestressed concrete bridge over the Tarlo River 12.2M. north of Goulburn. The new structure will be 315 feet long, will provide two traffic lanes and will replace a timber bridge 181 feet long.

Nepean River Flood Plain - Main Road No. 259

The Department commenced construction by contract of a six span prestressed concrete bridge over the Nepean River Flood Plain at Camden. The new structure will be 210 feet long and will provide two traffic lanes and will be on a deviation.

Henry Lawson Drive - Padstow - County Road No. 5016

The Department commenced construction by contract of a three span prestressed concrete bridge over Henry Lawson Drive at Padstow. The structure will be 351 feet long and will provide four traffic lanes.

Marsh Street (Western Suburbs Sewer Main), Arncliffe - County Road No. 5058

The Department commenced construction by contract of two span prestressed concrete bridge over the Sewer Outfall near Marsh Street, Arncliffe. The new structure will be 80 feet long, provide seven traffic lanes and two footways.

MAINTENANCE OF BRIDGES AND FERRIES

During the year the following major maintenance and repair works to bridges and ferries were carried out.

Bridge over George's River at Tom Ugly's Point - State Highway No. 1 - Princes Highway

This bridge is 1,638 feet long, having six 228 feet steel truss spans and three 90 feet steel plate girder spans. Repainting of steelwork below the deck commenced in 1971/72 was continued.

Prince Alfred Bridge over Murrumbidgee River at Gundagai - State Highway No. 2 - Hume Highway

This bridge is 3,040 feet long, having 78 timber beam spans and three 103 feet iron truss spans. Major repairs to deck and longitudinal sheeting were continued.

Bridge over Polygonum Swamp - 2M north of Bourke - State Highway No. 7
- Mitchell Highway

This bridge is 660 feet long having twenty timber beam spans. Extensive replacement of girders, decking and kerbing was carried out.

Bridge over Uralla Creek at Uralla - State Highway No. 9 - New England Highway

This bridge is 65 feet long, having two timber beam spans. Extensive repairs to substructure and replacement of timber deck were commenced.

Bridge over Swansea Channel at Swansea - State Highway No. 10 - Pacific Highway

This bridge is 569 feet long, having thirteen steel beam spans and one steel lift span. Repainting of all steel work was carried out.

Bridge over Cox's Creek at Mullaley - State Highway No. 11 - Oxley Highway

This bridge is 202 feet long, having six timber beam spans. Major structural repairs, replacement of all decking and longitudinal sheeting were carried out.

Bridge over Macquarie River at Warren - State Highway No. 11 - Oxley Highway

This bridge is 150 feet long, having two timber beam spans and one 91 feet timber truss span. Extensively damaged timber trusses were replaced by Bailey trusses to restore one traffic lane.

Approach Bridge No. 2 to bridge over Murray River at Mildura - State Highway No. 14 - Sturt Highway

This bridge is 417 feet long, having seventeen timber beam spans. Redecking of six spans was completed.

Bridge over Murrumbidgee River at Narrandera - State Highway No. 17 - Newell Highway

This bridge is 330 feet long, having three 90 feet timber truss spans and 2 timber beam spans. Major repairs to timber trusses, girders and decking, started in 1971/72, were completed.

Bridge over Narrabri Creek at Narrabri - State Highway No. 17 - Newell Highway

This bridge is 397 feet long, having two 92 feet timber truss spans and seven timber beam spans. Major structural repairs and replacement of decking and longitudinal sheeting, commenced in 1971/72, were completed.

Bridge over Namoi River at Walgett - State Highway No. 18 - Castlereagh Highway

This bridge is 398 feet long, having nine timber beam spans and one 92 feet timber truss span. One failed timber truss was replaced by a Bailey truss to restore one traffic lane.

Approach Bridge over Flood Channel of Murray River at Moama - State Highway No. 21 - Cobb Highway

This bridge is 405 feet long, having 27 timber beam spans. Extensive structural repairs and replacement of decking and longitudinal sheeting were carried out.

Gee Gee Bridge over Wakool River at Gee Gee - Trunk Road No. 94

This bridge is 237 feet long, having 4 timber beam spans and 1/91 feet truss span. Extensive general repairs, commenced in 1971/72, were continued in 1972/73.

Monkerai Bridge over Karuah River at Monkerai - Main Road No. 101

This bridge is 323 feet long, having three timber beam spans and three 70 feet timber truss spans. Structural repairs and redecking of the truss spans and one timber beam span were carried out.

Hinton Bridge over Paterson River at Hinton - Main Road No. 102

This bridge is 586 feet long, having ten timber beam spans, two 92 feet timber spans and one 58 feet steel girder lift span (non-operative). Some structural repairs and redecking of four spans were carried out.

Bridge over Pages River at Gundy - Main Road No. 105

This bridge is 287 feet long, having five timber beam spans and one 105 feet timber truss span. Major repairs to substructure and superstructure

Killawarra Bridge over Manning River at Killawarra - Main Road No. 112

This bridge is 629 feet long, having six timber beam spans and five 90 feet timber truss spans. Major structural repairs and redecking were commenced.

Vacy Bridge over Patterson River at Vacy - Main Road No. 128

This bridge is 212 feet long, having one timber beam span and two 90 feet timber truss spans. Extensive structural repairs and complete redecking were carried out.

Bridge over Darling Harbour at Pyrmont - Main Road No. 165

This bridge is 1,215 feet long, having twelve 82 feet timber truss spans and two 112 feet steel truss swing spans. Extensive replacement of timber truss members was commenced.

Lower Wybong Bridge over Wybong Creek at Hollydeen - Main Road No. 209

This bridge is 296 feet long, having four timber beam spans and two 91 feet timber truss spans. Structural repairs and redecking were carried out.

Bridge over Turon River at Wallaby Rocks - Main Road No. 216

This bridge is 320 feet long, having two timber beam spans and three 90 feet timber truss spans. Some structural repairs and the repainting of the bridge were carried out.

Millfield Bridge over Wollombi Brook at Millfield - Main Road No. 218

This bridge is 544 feet long, having sixteen timber beam spans. Structural repairs, redecking and widening, commenced in 1971/72, were continued.

Bridge over Murray River at Tooleybuc - Main Road No. 222

This bridge is 293 feet long, having 4 timber beam spans, two 72 feet truss spans and one steel lift span. Extensive repairs to concrete sills of piers supporting the lift span were carried out.

Holman Bridge over Lachlan River at Gooloogong - Main Road No. 237

This bridge is 808 feet long, having 19 timber beam spans and one 105 feet timber truss span. Major structural repairs, commenced in 1971/72, were completed.

Bridge over Fish River at O'Connell - Main Road No. 253

This bridge is 184 feet long, having two 90 feet timber truss spans. Extensive general repairs and painting, commenced during 1971/72, were completed.

Bridge over Murray River at Barham - Main Road No. 319

This bridge is 326 feet long, having 2 timber beam spans, two 104 feet truss spans and 1 steel lift span. Extensive repairs to concrete sills of piers supporting the lift span were carried out and the steelwork in the piers was cleaned and painted.

Bridge over Woy Woy Bay at Woy Woy - Main Road No. 349

This bridge is 265 feet long, having 8 steel beam spans. Complete replacement of timber deck was carried out by Gosford Shire Council.

Murrin Bridge over Lachlan River at Murrin - Main Road No. 423

This bridge is 180 feet long, having four timber beam spans and one 70 feet timber truss span. Major structural repairs, including replacement of timber truss members and complete redecking of bridge were commenced.

Bulga Bridge over Wollombi Brook at Bulga - Main Road No. 503

This bridge is 430 feet long, having five timber beam spans and two 105 feet timber truss spans. Redecking of five spans was completed.

Bridge over Boggy Swamp (48 miles south of Singleton) - Main Road No. 503

This bridge is 74 feet long, having three timber beam spans. Extensive structural repairs, widening and complete redecking were carried out.

Robinvale Bridge over Murray River at Euston - Main Road No. 583

This bridge is 2,180 feet long, having sixty-seven timber beam spans, six steel plate girder spans and one steel plate girder lift span. Replacement of the old timber deck and fixing of longitudinal sheeting, commenced in 1971/72, was completed.

Bridge over Woronora River at Woronora - Secondary Road No. 2034

This bridge is 280 feet long, having eight timber beam spans. Replacement of all timber decking and several timber girders was commenced.

Bridge over Throsby Creek at Carrington - Unclassified Road

This bridge is 198 feet long, having one steel plate girder span and five timber beam spans. Structural repairs and complete redecking, commenced in 1971/72, were completed.

Bridge over McIntyre River (Inverell Railway Bridge) at Inverell - Unclassified Road, Ex-National Bridge

This bridge is 249 feet long, having 2 timber beam spans and 2/92 feet timber truss spans. Structural repairs and complete redecking and repainting were commenced.

Bridge over Snowy River at Delegate - Unclassified Road - Ex-National Bridge

This bridge is 556 feet long, having ten timber beam spans and two 140 feet steel truss spans. Extensive repairs to steel trusses, replacement of timber deck on steel truss spans and some structural timber repairs were carried out.

Ferry over Murray River at Speewa - Unclassified Road

This ferry vessel is a three-car, timber vessel. Extensive hull repairs were carried out.

TRAFFIC SERVICE

Channelisation of Intersections

Channelisation was completed at 25 intersections during the year, whilst work is in progress at a further 17 intersections. Designs for future channelisation were undertaken for 59 sites during the year.

Among sites where channelisation has been completed this year are:-

S.H. No. 1 & M.R. No. 193	King and Wilson Streets, Newtown.
S.H. No. 1 & M.R. No. 227	Princes Highway and Port Hacking Road, Sylvania.
S.H. No. 5	Parramatta Road, Old Canterbury Road and Tebbutt Street - in conjunction with bridge over Parramatta Road at Brown and Hathern Streets, Lewisham.
S.H. No. 5, 6 & 7	Great Western, Mid Western and Mitchell Highways, Bathurst.
S.H. No. 7 & M.R. No. 245	Piesley and Summer Streets, Orange.
S.H. No. 10 & M.R. No. 316	Pacific Highway and M.R. No. 316, Mayfield West.

Median Strips

The length of median constructed in permanent materials on Main Roads this year is as follows:-

	Less than 5 ft. in width	5 ft. but less than 10 ft.	10 ft. and greater in width
Total Constructed 1972/73	4.72M.	2.72M.	12.37M.
Total Constructed (1971/72)	(0.96M.)	(3.71M.)	(10.78M.)
Total as at 30.6.73	77.07M.	74.74M.	113.36M.
Total as at (30.6.72)	(72.32M.)	(72.03M.)	(101.03M.)

Channelisation of Intersections

The total number of channelised intersections completed for:

1972/73	25
(1971/72)	(33)
Total as at 30.6.73	353
Total as at (30.6.72)	(328)

Climbing Lanes

A total of 20 new climbing lanes were constructed during the year.

Among sites at which climbing lanes were completed on Main Roads are:-

S.H. No. 5	Great Western Highway at Kirkconnell.
S.H. No. 5	Great Western Highway at Warrimoo.
S.H. No. 5	Great Western Highway at Linden East.
S.H. No. 5	Great Western Highway at Linden West.
S.H. No. 6	Mid Western Highway, 7M. west of Blayney.
S.H. No. 7	Mitchell Highway, 11.5M. west of Bathurst.
S.H. No. 7	Mitchell Highway, 25M. west of Bathurst.

S.H. No. 9	New England Highway, 31M. north of Murrurundi.
S.H. No. 9	New England Highway, 54M. north of Tamworth.
S.H. No. 10	Pacific Highway, near the turn-off road to Catherine Hill Bay.
S.H. No. 11	Oxley Highway, 33M. east of Coonabarabran.
S.H. No. 25	Illawarra Highway, 11M. from the Princes Highway.
S.H. No. 25	Illawarra Highway, 12M. from the Princes Highway.
T.R. No. 51	11M. east of Queanbeyan.
T.R. No. 84	1M. west of Murrumburrah.
M.R. No. 177	Near Kings Falls Bridge, Wollondilly Shire.
M.R. No. 184	40M. west of Windsor.
M.R. No. 377	40M. west of Orange.
M.R. No. 377	40.5M. west of Orange.
S.H. No. 10	Chatham Avenue and Cowper Street, Taree.
S.H. No. 10	Pacific Highway and Kennedy Drive, north of Murwillumbah.
S.H. No. 14	Sturt Highway, Market and McCabe Streets, Balranald.
S.H. No. 14	Sturt Highway. At a deviation 1.1M. west of Wagga Wagga.
M.R. No. 162 & M.R. No. 525	Mona Vale Road and McCarr's Creek Road, Terrey Hills.
M.R. No. 165	Victoria Road and Westbourne Street, Drummoyne.
M.R. No. 166	Centennial Avenue, Burns Bay Road and Best Street, Lane Cove.
M.R.'s Nos. 171,327 & 528.	Anzac Parade, Alison Road and Dacey Avenue, Moore Park.
M.R. No. 194	Millpond Road and General Holmes Drive, Mascot.
M.R. No. 227	Kingsway and President Avenue, Caringbah.
M.R.'s Nos. 238 & 337	Intersection at Eugowra.

M.R. No. 397	Frenchs Forest Road and Brook Road, Seaforth.
M.R. No. 599	Eastern Valley Way and Edinburgh Road, Castlecrag.
M.R. No. 605	Intersection with Werribi Street, Newcastle.
S.R. No. 2060	Punchbowl Road and Koala Road, Punchbowl.
S.R. No. 2070	River Road and Northwood Road, Northwood.

WIDENING OF METROPOLITAN MAIN ROADS

During the year ending 30th June, 1973:

1. One hundred and three plans (in 171 sheets) were prepared and lodged at the Registrar General's Department, preparatory to acquisition for road widening purposes within the Metropolitan area.
2. Seven realignment schemes, involving 3.95 miles of road, were gazetted during the year, together with 26 resumptions of land necessary to implement widening schemes.
3. The principal classified roads in the Metropolitan area (excluding Freeways) on which property was being acquired during the year, are as follows:-
 - (a) State Highway No. 1 - Prince's Highway. Shire of Sutherland. Heathcote to Waterfall.
 - (b) State Highway No. 1 - Prince's Highway. Shire of Sutherland. Deviation at Sutherland. Grafton Street to Prince's Highway.
 - (c) State Highway No. 2 - Hume Highway. Municipality of Camden. Deviation - Richardson Road to Camden Road.
 - (d) State Highway No. 2 - Hume Highway and Main Road No. 177 - Campbelltown Road. City of Liverpool and City of Campbelltown. Vicinity of Cross Roads and Glenfield Road.
 - (e) State Highway No. 5 - Great Western Highway. Municipality of Blacktown and City of Penrith. Rooty Hill to St. Marys.
 - (f) State Highway No. 10 - Pacific Highway. Shire of Hornsby. Asquith to Mt. Ku-ring-gai.
 - (g) Main Road No. 154 - Bringelly Road. City of Penrith. Maxwell Street, Kingswood to Kings Hill Road, Luddenham.

- (h) Main Road No. 154 - Bringelly Road. City of Penrith. Kings Hill Road, Luddenham to Jamison Street, Kingswood.
- (i) Main Road No. 162 - Ryde Road. Municipality of Ku-ring-gai. Cultowa Road to Pacific Highway.
- (j) Main Road No. 168 - Forest Road. Municipality of Hurstville. Improvement of intersection of Forest Road and Stoney Creek Road, Narwee.
- (k) Main Road No. 178 - Narellan - Campbelltown Road. Municipality of Camden. Hume Highway to South Western Freeway at Kenny Hill.
- (l) Main Road No. 184 - Bridge Street, Municipality of Windsor. George Street to South Creek, Windsor.
- (m) Main Road No. 184 - Windsor Road. Municipality of Blacktown and Shire of Baulkham Hills. First Ponds Creek Approaches.
- (n) Main Road No. 193 - Erskineville Road. Municipality of South Sydney. Widening.
- (o) Main Road No. 200 - Concord Road. Municipality of Concord. Cropley Street to Llewellyn Street.
- (p) Main Road No. 315 - Punchbowl Road. Municipalities of Strathfield and Canterbury. Widening of road near approaches to bridge over railway at Belfield.
- (q) Main Road No. 315 - King Georges Road. Municipality of Hurstville. Beverly Hills Shopping Centre.
- (r) Main Road No. 315 - King Georges Road. Municipality of Canterbury. Wiley Park Shopping Centre.
- (s) Main Road No. 328 - Warringah Road. Shire of Warringah. Pittwater Road to Wakehurst Parkway.
- (t) Main Road No. 574 - Stewart Street. City of Parramatta. King Street to Marsden Road, Dundas.
- (u) Secondary Road No. 2071 - Smithfield Road and Warren Road. Municipalities of Holroyd and Fairfield. At Kenyon's Bridge.

BITUMINOUS SURFACING COMPLETED DURING THE YEAR
ENDED 30TH JUNE, 1973

Scheduled According to Road Classification

TABLE 1 - ROAD MILES

Nature of Work		Free-ways	State Highways	Trunk Roads	Main Roads	Second. Roads	Tourist Roads	Develop. Roads	Unclass. Roads	All Roads Sub-Total
1.	Initial Surfacing									
A.	Prime	0.00	4.72	0.87	0.00	0.00	0.00	0.00	0.00	5.59
B.	Primer Seal	0.00	11.12	2.22	12.30	0.00	0.00	0.00	0.00	25.64
C.	Sprayed Seal	0.00	53.64	35.79	99.63	0.00	0.00	0.00	0.00	189.06
D.	Slurry Seal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
E.	Plant Mix	9.37	0.00	0.00	0.21	0.00	0.00	0.00	1.37	10.95
	Work Sub-Total	9.37	69.48	38.88	112.14	0.00	0.00	0.00	1.37	231.24
2.	Surfacing Lengths Primed before Year									
A.	Prime	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B.	Primer Seal	0.00	0.00	0.00	1.30	0.00	0.00	0.00	0.00	1.30
C.	Sprayed Seal	0.00	21.03	1.18	12.53	0.00	0.00	0.00	0.00	34.74
D.	Slurry Seal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
E.	Plant Mix	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Work Sub-Total	0.00	21.03	1.18	13.83	0.00	0.00	0.00	0.00	36.04
3.	Restoration After Widening/Strengthening									
A.	Prime	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B.	Primer Seal	0.00	0.68	10.54	0.00	0.00	0.00	0.00	0.00	11.22
C.	Sprayed Seal	0.00	37.21	5.43	24.85	0.00	0.11	0.00	0.00	67.60
D.	Slurry Seal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
E.	Plant Mix	0.00	2.49	0.00	8.70	1.30	0.00	0.00	0.07	12.56
	Work Sub-Total	0.00	40.38	15.97	33.55	1.30	0.11	0.00	0.07	91.38
4.	Restoration After Adding Lanes									
A.	Prime	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B.	Primer Seal	0.00	6.63	0.00	0.00	0.00	0.00	0.00	0.00	6.63
C.	Sprayed Seal	0.00	12.73	1.44	6.20	0.35	0.00	0.00	0.00	20.72
D.	Slurry Seal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
E.	Plant Mix	0.00	8.32	0.40	6.50	1.40	0.00	0.00	0.00	16.62
	Work Sub-Total	0.00	27.68	1.84	12.70	1.75	0.00	0.00	0.00	43.97
5.	Restoration After New Alignment/Grade									
A.	Prime	0.00	7.20	0.00	0.00	0.00	0.00	0.00	0.00	7.20
B.	Primer Seal	0.00	22.22	0.00	4.25	0.00	0.00	0.00	0.00	26.47
C.	Sprayed Seal	0.00	41.89	6.44	20.04	0.00	0.00	0.00	1.05	69.42
D.	Slurry Seal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
E.	Plant Mix	0.00	14.58	0.00	4.94	0.00	0.00	0.00	0.19	19.71
	Work Sub-Total	0.00	85.89	6.44	29.23	0.00	0.00	0.00	1.24	122.80

	Nature of Work	Free-ways	State Highways	Trunk Roads	Main Roads	Second. Roads	Tourist Roads	Develop. Roads	Unclass. Roads	All Roads Sub-Total
6.	Maintenance Resurfacing									
	A. Prime	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	B. Primer Seal	0.00	0.31	0.40	6.84	0.00	0.00	0.00	0.00	7.55
	C. Sprayed Seal	0.00	340.96	117.81	241.44	0.26	6.91	0.00	0.00	707.38
	D. Slurry Seal	0.00	0.00	0.00	4.04	0.00	0.00	0.00	0.00	4.04
	E. Plant Mix	9.00	24.10	0.30	37.53	5.58	0.72	0.00	0.58	77.81
	Work Sub-Total	9.00	365.37	118.51	289.85	5.84	7.63	0.00	0.58	796.78
	Surfacing Sub-Totals									
	A. Prime	0.00	11.92	0.87	0.00	0.00	0.00	0.00	0.00	12.79
	B. Primer Seal	0.00	40.96	13.16	24.69	0.00	0.00	0.00	0.00	78.81
	C. Sprayed Seal	0.00	507.46	168.09	404.69	0.61	7.02	0.00	1.05	1088.92
	D. Slurry Seal	0.00	0.00	0.00	4.04	0.00	0.00	0.00	0.00	4.04
	E. Plant Mix	18.37	49.49	0.70	57.88	8.28	0.72	0.00	2.21	137.65
	Work Sub-Total	18.37	609.83	182.82	491.30	8.89	7.74	0.00	3.26	1322.21

BITUMINOUS SURFACING COMPLETED DURING THE YEAR
ENDED 30TH JUNE, 1973

Scheduled According to Road Classification

TABLE 2 - LANE MILES

1.	Initial Surfacing									
	A. Prime	0.00	9.44	1.74	0.00	0.00	0.00	0.00	0.00	11.18
	B. Primer Seal	0.00	22.24	4.44	24.60	0.00	0.00	0.00	0.00	51.28
	C. Sprayed Seal	0.00	107.85	71.58	199.26	0.00	0.00	0.00	0.00	378.69
	D. Slurry Seal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	E. Plant Mix	38.28	0.00	0.00	0.42	0.00	0.00	0.00	5.23	43.93
	Work Sub-Total	38.28	139.53	77.76	224.28	0.00	0.00	0.00	5.23	485.08
2.	Surfacing Lengths Primed Before Year									
	A. Prime	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	B. Primer Seal	0.00	0.00	0.00	2.60	0.00	0.00	0.00	0.00	2.60
	C. Sprayed Seal	0.00	44.60	2.36	26.53	0.00	0.00	0.00	0.00	73.49
	D. Slurry Seal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	E. Plant Mix	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Work Sub-Total	0.00	44.60	2.36	29.13	0.00	0.00	0.00	0.00	76.09

	Nature of Work	Free-ways	State Highways	Trunk Roads	Main Roads	Second. Roads	Tourist Roads	Develop. Roads	Unclass. Roads	All Roads Sub-Total
3.	Restoration After Widening/Strengthening									
	A. Prime	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	B. Primer Seal	0.00	1.36	21.08	0.00	0.00	0.00	0.00	0.00	22.44
	C. Sprayed Seal	0.00	77.02	12.60	49.70	0.00	0.11	0.00	0.00	139.43
	D. Slurry Seal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	E. Plant Mix	0.00	8.78	0.00	21.66	2.95	0.00	0.00	0.28	33.67
	Work Sub-Total	0.00	87.16	33.68	71.36	2.95	0.11	0.00	0.28	195.54
4.	Restoration After Adding Lanes									
	A. Prime	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	B. Primer Seal	0.00	18.32	0.00	0.00	0.00	0.00	0.00	0.00	18.32
	C. Sprayed Seal	0.00	40.23	2.64	19.00	0.35	0.00	0.00	0.00	62.22
	D. Slurry Seal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	E. Plant Mix	0.00	26.89	1.60	23.30	5.83	0.00	0.00	0.00	57.62
	Work Sub-Total	0.00	85.44	4.24	42.30	6.18	0.00	0.00	0.00	138.16
5.	Restoration After New Alignment/Grade									
	A. Prime	0.00	14.40	0.00	0.00	0.00	0.00	0.00	0.00	14.40
	B. Primer Seal	0.00	47.17	0.00	8.50	0.00	0.00	0.00	0.00	55.67
	C. Sprayed Seal	0.00	85.16	14.29	40.70	0.00	0.00	0.00	2.10	142.25
	D. Slurry Seal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	E. Plant Mix	0.00	57.18	0.00	20.13	0.00	0.00	0.00	0.62	77.93
	Work Sub-Total	0.00	203.91	14.29	69.33	0.00	0.00	0.00	2.72	290.25
6.	Maintenance Resurfacing									
	A. Prime	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	B. Primer Seal	0.00	0.62	0.80	13.68	0.00	0.00	0.00	0.00	15.10
	C. Sprayed Seal	0.00	686.93	235.24	482.88	0.52	13.82	0.00	0.00	1419.39
	D. Slurry Seal	0.00	0.00	0.00	8.08	0.00	0.00	0.00	0.00	8.08
	E. Plant Mix	26.22	86.72	0.90	100.90	21.16	1.44	0.00	3.12	240.46
	Work Sub-Total	26.22	774.27	236.94	605.54	21.68	15.26	0.00	3.12	1683.03
	Surfacing Sub-Totals									
	A. Prime	0.00	23.84	1.74	0.00	0.00	0.00	0.00	0.00	25.58
	B. Primer Seal	0.00	89.71	26.32	49.38	0.00	0.00	0.00	0.00	165.41
	C. Sprayed Seal	0.00	1041.79	338.71	818.07	0.87	13.93	0.00	2.10	2215.47
	D. Slurry Seal	0.00	0.00	0.00	8.08	0.00	0.00	0.00	0.00	8.08
	E. Plant Mix	64.50	179.57	2.50	166.41	29.94	1.44	0.00	9.25	453.61
	Work Sub-Total	64.50	1334.91	369.27	1041.94	30.81	15.37	0.00	11.35	2868.15

BITUMINOUS SURFACING COMPLETED DURING THE YEAR ENDED
30TH JUNE, 1973

Scheduled According to Work by Department and Councils

TABLE 1 - ROAD MILES

		Department		Council	
		D.L.	C.	D.L.	C.
1.	Initial Surfacing				
	A. Prime	4.72	0.00	0.00	0.87
	B. Primer Seal	11.12	0.00	4.00	10.52
	C. Sprayed Seal	45.65	7.99	15.63	119.79
	D. Slurry Seal	0.00	0.00	0.00	0.00
	E. Plant Mix	10.13	0.00	0.61	0.21
	Work Sub-Total	71.62	7.99	20.24	131.39
2.	Surfacing Lengths Primed Before Year				
	A. Prime	0.00	0.00	0.00	0.00
	B. Primer Seal	0.00	0.00	1.30	0.00
	C. Sprayed Seal	14.71	0.00	3.35	16.68
	D. Slurry Seal	0.00	0.00	0.00	0.00
	E. Plant Mix	0.00	0.00	0.00	0.00
	Work Sub-Total	14.71	0.00	4.65	16.68
3.	Restoration After Widening/ Strengthening				
	A. Prime	0.00	0.00	0.00	0.00
	B. Primer Seal	7.03	2.55	0.00	1.64
	C. Sprayed Seal	33.43	6.40	2.77	25.00
	D. Slurry Seal	0.00	0.00	0.00	0.00
	E. Plant Mix	6.16	0.00	0.10	6.30
	Work Sub-Total	46.62	8.95	2.87	32.94
4.	Restoration After Adding Lanes				
	A. Prime	0.00	0.00	0.00	0.00
	B. Primer Seal	6.63	0.00	0.00	0.00
	C. Sprayed Seal	7.60	8.03	0.35	4.74
	D. Slurry Seal	0.00	0.00	0.00	0.00
	E. Plant Mix	11.66	0.00	2.31	2.65
	Work Sub-Total	25.89	8.03	2.66	7.39

		Department		Council	
		D.L.	C.	D.L.	C.
5.	Restoration After New Alignment/ Grade				
	A. Prime	7.20	0.00	0.00	0.00
	B. Primer Seal	19.82	0.00	0.00	6.65
	C. Sprayed Seal	25.58	8.84	1.95	33.05
	D. Slurry Seal	0.00	0.00	0.00	0.00
	E. Plant Mix	11.16	6.44	0.00	2.11
	Work Sub-Total	63.76	15.28	1.95	41.81
6.	Maintenance Resurfacing				
	A. Prime	0.00	0.00	0.00	0.00
	B. Primer Seal	0.31	0.00	0.00	7.24
	C. Sprayed Seal	310.43	46.12	41.51	309.32
	D. Slurry Seal	0.00	0.00	0.00	4.04
	E. Plant Mix	48.73	5.36	4.10	19.62
	Work Sub-Total	359.47	51.48	45.61	340.22
	Surfacing Sub-Totals				
	A. Prime	11.92	0.00	0.00	0.87
	B. Primer Seal	44.91	2.55	5.30	26.05
	C. Sprayed Seal	437.40	77.38	65.56	508.58
	D. Slurry Seal	0.00	0.00	0.00	4.04
	E. Plant Mix	87.84	11.80	7.12	30.89
	Work Sub-Total	582.07	91.73	77.98	570.43
	Totals by Dept.	673.80		Council	648.41
	Totals by D.L.	660.05		Contract	662.16

BITUMINOUS SURFACING COMPLETED DURING THE YEAR ENDED
30TH JUNE, 1973

Scheduled According to Work by Department and Councils

TABLE 2 - LANE MILES

		Department		Council	
		D.L.	C.	D.L.	C.
1.	Initial Surfacing				
	A. Prime	9.44	0.00	0.00	1.74
	B. Primer Seal	22.24	0.00	8.00	21.04
	C. Sprayed Seal	91.87	15.98	31.26	239.58
	D. Slurry Seal	0.00	0.00	0.00	0.00
	E. Plant Mix	41.07	0.00	2.44	0.42
	Work Sub-Total	164.62	15.98	41.70	262.78
2.	Surfacing Lengths Primed Before Year				
	A. Prime	0.00	0.00	0.00	0.00
	B. Primer Seal	0.00	0.00	2.60	0.00
	C. Sprayed Seal	31.96	0.00	6.70	34.83
	D. Slurry Seal	0.00	0.00	0.00	0.00
	E. Plant Mix	0.00	0.00	0.00	0.00
	Work Sub-Total	31.96	0.00	9.30	34.83
3.	Restoration After Widening/ Strengthening				
	A. Prime	0.00	0.00	0.00	0.00
	B. Primer Seal	14.06	5.10	0.00	3.28
	C. Sprayed Seal	66.86	15.40	5.43	51.74
	D. Slurry Seal	0.00	0.00	0.00	0.00
	E. Plant Mix	20.30	0.00	0.10	13.27
	Work Sub-Total	101.22	20.50	5.53	68.29
4.	Restoration After Adding Lanes				
	A. Prime	0.00	0.00	0.00	0.00
	B. Primer Seal	18.32	0.00	0.00	0.00
	C. Sprayed Seal	24.26	24.24	0.35	13.37
	D. Slurry Seal	0.00	0.00	0.00	0.00
	E. Plant Mix	43.29	0.00	6.08	8.25
	Work Sub-Total	85.87	24.24	6.43	21.62

		Department		Council	
		D.L.	C.	D.L.	C.
5.	Restoration After New Alignment/Grade				
	A. Prime	14.40	0.00	0.00	0.00
	B. Primer Seal	42.37	0.00	0.00	13.30
	C. Sprayed Seal	51.82	18.94	4.77	66.72
	D. Slurry Seal	0.00	0.00	0.00	0.00
	E. Plant Mix	41.27	31.12	0.00	5.54
	Work Sub-Total	149.86	50.06	4.77	85.56
6.	Maintenance Resurfacing				
	A. Prime	0.00	0.00	0.00	0.00
	B. Primer Seal	0.62	0.00	0.00	14.48
	C. Sprayed Seal	624.05	93.32	82.92	619.10
	D. Slurry Seal	0.00	0.00	0.00	8.08
	E. Plant Mix	156.75	20.82	12.19	50.70
	Work Sub-Total	781.42	114.14	95.11	692.36
	Surfacing Sub-Totals				
	A. Prime	23.84	0.00	0.00	1.74
	B. Primer Seal	97.61	5.10	10.60	52.10
	C. Sprayed Seal	890.82	167.88	131.43	1025.34
	D. Slurry Seal	0.00	0.00	0.00	8.08
	E. Plant Mix	302.68	51.94	20.81	78.18
	Work Sub-Total	1314.95	224.92	162.84	1165.44
	Totals by Dept.	1539.87		Council	1328.28
	Totals by D.L.	1477.79		Contract	1390.36

TYPES OF ROAD SURFACES AS AT 30TH JUNE, 1973

Scheduled According to Road Classifications

County of Cumberland

	Cement Concrete	Bitumen Concrete	Bitumen Other	Gravel	Formed Only	Natural Surface	Total
Freeways	0.00	25.47	0.00	0.00	0.00	0.00	25.47
State Highways	23.04	149.33	21.19	0.00	0.00	0.00	193.56
Trunk Roads	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Main Roads	40.36	388.25	241.10	1.66	0.00	0.13	671.50
Secondary Roads	8.73	126.31	44.04	0.00	0.53	0.65	180.26
Tourist Roads	0.00	4.95	32.18	6.83	0.58	8.50	53.04
Developmental Roads	0.00	0.00	5.40	3.72	0.20	4.28	13.60
Unclassified Roads	0.00	2.71	10.80	3.63	0.00	0.13	17.27
Total	72.13	697.02	354.71	15.84	1.31	13.69	1154.70

Country	Cement Concrete	Bitumen Concrete	Bitumen Other	Gravel	Formed Only	Natural Surface	Total
Freeways	0.00	13.82	0.00	0.00	0.00	0.00	13.82
State Highways	25.25	251.63	5404.55	271.74	379.89	0.00	6333.06
Trunk Roads	2.32	7.67	2666.19	1141.44	556.41	0.00	4374.03
Main Roads	8.14	168.91	5063.59	3928.67	1607.91	22.58	10799.80
Secondary Roads	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tourist Roads	0.00	0.72	118.91	55.78	4.24	13.65	193.30
Developmental Roads	0.00	0.00	95.40	1563.72	597.96	149.46	2406.54
Unclassified Roads	0.00	5.31	29.02	40.21	1043.46	402.37	1520.37
Total	35.71	448.06	13377.66	7001.56	4189.87	588.06	25640.92

New South Wales

	Cement Concrete	Bitumen Concrete	Bitumen Other	Gravel	Formed Only	Natural Surface	Total
Freeways	0.00	39.29	0.00	0.00	0.00	0.00	39.29
State Highways	48.29	400.96	5425.74	271.74	379.89	0.00	6526.62
Trunk Roads	2.32	7.67	2666.19	1141.44	556.41	0.00	4374.03
Main Roads	48.50	557.16	5304.69	3930.33	1607.91	22.71	11471.30
Secondary Roads	8.73	126.31	44.04	0.00	0.53	0.65	180.26
Tourist Roads	0.00	5.67	151.09	62.61	4.82	22.15	246.34
Developmental Roads	0.00	0.00	100.80	1567.44	598.16	153.74	2420.14
Unclassified Roads	0.00	8.02	39.82	43.84	1043.46	402.50	1537.64
Total	107.84	1145.08	13732.37	7017.40	4191.18	601.75	26795.62

TYPES OF ROAD SURFACES AS AT 30TH JUNE, 1973

Scheduled According to Department's Divisions

Division	Natural Surface	Formed Only	Gravel	Primed Only	Primer Sealed	Sprayed Seal	Slurry Seal	Plant Mix	Cement Concrete	Total
MET	0.66	0.00	0.00	0.00	0.00	17.00	0.00	354.03	42.63	414.32
PAT	0.25	0.53	11.12	0.00	0.00	249.20	0.00	256.24	23.32	540.66
PAC	13.50	2.18	23.36	0.00	0.00	151.25	0.00	65.15	0.00	255.44
CMT	12.78	0.78	4.72	0.00	0.33	61.23	0.00	25.23	0.00	105.07
CMC	2.65	3.60	384.11	0.00	7.98	602.45	0.52	3.27	13.42	1018.00
ILT	0.00	0.00	0.00	0.00	0.00	26.95	0.00	61.52	6.18	94.65
ILC	0.00	0.00	111.91	0.00	2.24	299.93	0.00	187.95	1.61	603.64
HVD	3.75	0.00	125.43	0.00	0.63	765.92	1.38	165.15	3.58	1065.84
LNC	14.65	92.33	230.55	0.00	0.00	536.09	0.00	0.76	0.00	874.38
NED	5.16	0.00	301.36	0.00	0.00	1024.08	0.00	0.00	15.16	1345.76
UND	68.15	0.00	727.44	4.96	101.66	929.84	0.00	0.00	0.29	1832.34
NWD	4.92	32.68	763.41	0.00	12.69	1166.32	0.00	0.33	0.00	1980.35
CWD	34.09	78.40	869.94	0.00	9.04	1540.65	0.00	0.62	0.30	2533.04
CND	0.00	1264.23	1286.35	0.00	104.01	916.29	0.00	0.00	0.00	3570.88
MDD	410.77	2530.03	312.82	0.00	4.72	686.70	0.00	0.00	0.00	3945.04
CMD	7.50	118.09	589.93	5.80	5.53	1141.34	0.00	0.00	0.00	1868.19
SWD	12.12	30.75	489.40	0.00	9.68	1772.50	4.04	4.20	0.00	2322.69
SCD	9.80	31.58	289.92	2.27	9.06	586.65	0.00	12.46	0.35	942.09
SOD	1.00	6.00	495.63	0.16	29.77	941.51	0.00	8.17	1.00	1483.24
Total	601.75	4191.18	7071.40	13.19	297.34	13415.90	5.94	1145.08	107.84	26795.62

ROAD TRAFFIC SURVEYS

Permanent and Semi-permanent Counting Stations

At the beginning of the year, the number of permanent and semi-permanent counting stations in the State totalled 215 including 13 ferry sites. The number was increased to 334 during the year for use in the identification of traffic patterns in the County of Cumberland, where a comprehensive survey involving some 2,600 stations is in progress.

Installation of magnetic loop detectors and new recording equipment to replace pneumatic tube detectors at permanent counting stations in the County of Cumberland is proceeding.

Divisional Traffic Volume Surveys

During the year, detailed traffic volume surveys were completed in the North Western, Upper Northern, Southern, Central Mountains and Central Western Divisions, plus Colo and Gosford Shires in Parramatta Division.

Detailed traffic volume survey in the County of Cumberland is in progress.

Origin and Destination Surveys

To assist investigations for planned road systems in the State, Origin and Destination surveys were carried out in Kingford Smith Airport, Bourke, Tenterfield, Narrandera and the Woodburn-Lismore areas.

Publication of Traffic Volume Data

Data collected from the 1970 traffic volume surveys in the Illawarra, North Eastern, Lower North Coast and South Coast Divisions were published in four separate volumes.

In addition, the 1971 traffic volume data collected in the County of Cumberland and the 1972 Origin and Destination survey in the Central Business District of Sydney were published in two separate volumes.

Publication of 1972 traffic volume data for the Hunter Valley Division, Volume II of the 1971 County of Cumberland survey and the 1970 data for Murray Darling and Central Northern Divisions should be available for publication late in 1973.

The 1972 traffic volume data for the North Western, Upper Northern, Southern, Central Mountains and Central Western Divisions are currently under preparation for publication in 1973/74.

Annual Average Daily Traffic (A.A.D.T.) Volumes

Annual Average Daily Traffic Volumes obtained from permanent and semi-permanent counting stations for the calendar year 1972 are listed below. The corresponding volume for 1971 and the percentage changes in volume, where available, are also shown.

TRAFFIC VOLUMES AT PERMANENT AND SEMI-PERMANENT STATIONS

FOR YEAR ENDING DECEMBER, 1972

Local Government Area	Location	Annual Average Daily Traffic 1971	Annual Average Traffic 1972	% age change
Sydney-Newcastle Expressway				
Gosford	Hawkesbury River-Calga Tollway, south of Mt. White	15,670	16,670	+6
Hornsby	Berowra-Hawkesbury River Tollway	14,570	15,000	+3
Western Freeway				
Penrith	Regentville - at Nepean River Bridge			
	Before the opening of the new section on 20th December, 1972		4,430	
	After the opening of the new section		8,700	
North-South Arterial Road (West Wollongong Section)				
Wollongong	Gipps Street Overbridge	22,850	24,200	+10
Bradfield Highway				
Sydney	Sydney Harbour Bridge	134,700	136,200	+1
Southern Cross Drive				
Botany	0.6 miles north of Main Road No. 344 (Wentworth Ave)	29,780	31,690	+6
State Highway No. 1 - Princes Highway				
Rockdale	Tempe - Bridge over Cook's River	50,700	50,410	-1
Sutherland	Sylvania - Bridge over George's River	55,930	54,790	-2

Local Government Area	Location	Annual Daily 1970	Average Traffic 1971	% age change
Sutherland	Loftus - Railway Overbridge	26,900	26,670	-1
Wollongong	North of Main Road No. 513 (Mt Ousley Road)	13,630	14,810	+9
Wollongong	South of Smith Street	20,080	22,030	+10
Kiama	1 mile south of Post Office	6,260	6,470	+10
Eurobodalla	Bateman's Bay - Bridge over Clyde River	3,660	3,580	-2
Mumbulla	1 mile north of State Highway No. 4 (Snowy Mountains Highway)	1,120	1,180	+2
Imlay	Eden - 2 miles north of Post Office	1,610	1,740	+9
Imlay	Eden - at old Road Creek	730	790	+8
Imlay	Eden - south of Quarantine Bay Road	1,130	1,260	+11
State Highway No. 2 - Hume Highway				
Ashfield	East of Bruce Street	21,980	22,750	+4
Bankstown	Lansdowne - East of State Highway No. 13 (Woodville Road)	38,190	36,810	-4
Liverpool	Cross Roads - East of York Street	32,140	31,430	-2
Mittagong	2 miles north-east of Post Office	7,960	8,390	+11
Mulwaree	Yarra - west of State Highway No. 3 (Federal Hwy)	3,740	3,600	-4
Goodradigbee	Yass - 4 miles west of Post Office	4,830	4,980	+3
Gundagai	Gundagai - 0.8 miles south of Main Road No. 279 (Cross Street)		3,210	
Hollbrook	Hollbrook - 2 miles north of Post Office	2,450	2,460	0
State Highway No. 3 - Federal Highway				
Mulwaree	Yarra - South of State Highway No. 2 (Hume Highway)	3,110	3,110	0
State Highway No. 4 - Snowy Mountains Highway				
Mumballa	West of State Highway No. 1 (Princes Highway)	600	660	+11
Snowy River	East of Main Road No. 286 (Cooma-Berridale Road)	2,050	2,070	+1
Snowy River	Adaminaby - 0.8 miles west of Rosedale Road	730	750	+3

Local Government Area	Location	Annual Average Daily Traffic 1971	Annual Average Traffic 1972	% age change
State Highway No.5 - Great Western Highway				
Ashfield	East of Dalhousie Street	40,530	39,560	-2
Parramatta	Clyde - at Railway Level Crossing	51,550	51,280	-1
Blacktown	Wallgrove - at Eastern Creek Bridge	32,860	36,040	+10
Penrith	Bridge over Nepean River	19,270	19,560	+2
City of Blue Mountains	Wentworth Falls - 2.5 miles east of Railway station		7,590	
Turon	West of Blaxland Shire Boundary	3,370	3,590	+6
State Highway No. 6 - Mid - Western Highway				
Bathurst	Bathurst - 0.8 miles west of Stewart Street		1,850	
Waugoola	Cowra - Bridge over Waugoola Creek	1,680	1,650	-2
Weddin	Marsden - East of State Highway No. 17 (Newell Highway)	340	350	+3
Bland	Wyalong - East of Trunk Road No. 57 (Temora Road)	1,340	1,410	+5
Hay	Hay - 2 miles east of Post Office	500	510	+2
State Highway No. 7 - Mitchell Highway				
Bathurst	Bathurst - 1.0 mile west of Stewart Street		2,510	
Canobolas	Orange - 1.5 miles east of Main Road No. 245 (Piesle St)	3,690	3,700	0
Canobolas	Orange - 3 miles north of Post Office	1,750	1,840	+5
Talbragar	Dubbo - 1.2 miles east of East Dubbo level crossing	1,780	1,860	+4
Talbragar	Dubbo - 2.0 miles west of Post Office		2,690	
Darling	Bourke - 5 miles south of Post Office	190	200	+5
State Highway No. 8 - Barrier Highway				
Cobar	East of Trunk Road No. 61 (Orange-Cobar Road)	440	350	-20

Local Government Area	Location	Annual Daily	Average Traffic	% age change
		1971	1972	
State Highway No. 9 - New England Highway				
Patrick Plains	2.9 miles east of Main Road No. 128 (Singleton-Gostwyck Road	4,340	4,310	-1
Scone	Scone - 3.0 miles north of Trunk Road No. 62 (Merriwa Rd)		2,750	
Peel	Tamworth - 3.4 miles south of Post Office	1,910	2,040	+7
Tamworth	Tamworth - At Bridge over Peel River		20,550	
Cockburn	Tamworth - 0.6 miles north of Main Road No. 105 (Nundle Rd)	3,450	3,630	
Severn	Glen Innes - at Redbank Creek Bridge	2,000	1,940	+3
State Highway No. 10 - Pacific Highway				
Hornsby	Waitara - north of State Highway No. 13 (Pennant Hills Road)	30,450	30,650	+1
Hornsby	Berowra - north of Tollway Gates	5,320	4,900	-8
Hornsby	Brooklyn - Bridge over Hawkesbury River	18,490	19,660	+6
Gosford	Mount White	2,440	2,430	0
Gosford	Narara - 0.8 miles north of Showground Road		6,780	
Lake Macquarie	Swansea - 2 miles south of bridge over entrance to Lake Macquarie	9,900	10,040	+10
Lake Macquarie	Charlestown - south of Smart Street	34,220	33,790	-1
Newcastle	Hexham - Bridge over Hunter River	12,760	10,760	-16
Port Stephens	Karuah - Bridge over Karuah River	4,520	4,580	+1
Manning	Nabiac - Bridge over Wollomba River	3,390	3,330	-2
Hastings	Bridge over Hastings River	3,100	3,180	+2
Nambucca	Macksville - 1 mile north of Scotts Head Road	3,370	3,290	-2
Ulmarra	South Grafton - south of Developmental Road No. 1253 (Grafton By-Pass)	2,580	2,800	+8

Local Government Area	Location	Annual Daily	Average Traffic	% age change
		1971	1972	
Maclean	Harwood - Bridge over Clarence River	3,040	2,970	-2
Tintenbar	Ballina - south of State Highway No. 16 (Bruxner Highway)	2,620	2,740	+1
Tweed	Tweed Heads South - South of Drydock Road	9,910	10,510	+11
State Highway No. 11 - Oxley Highway				
Hastings	Wauchope - 1.6 miles west of Beechwood Road	840	880	+5
Cockburn	Bendemeer - east of State Highway No. 9 (New England Hwy)		380	
Peel	Tamworth - 5 miles west of Main Road No. 130 (Tamworth - Werris Creek Road)	1,450	1,450	0
Coonabarabran	Coonabarabran - 0.2 miles south of Main Road No. 396 (Binnaway Road)	1,350	1,570	+16
State Highway No. 12 - Gwydir Highway				
Severn	Gibraltar Range Tick Gate	370	380	+3
Boolooroo	Moree - 2 miles east of Post Office	900	020	+11
Boomi	Greenbah - at Greenbah Creek Bridge		410	
State Highway No. 13 - Woodville Road, Church Street and Pennant Hills Road				
Fairfield	Villawood - north of State Highway No. 2 (Hume Highway)	30,600	30,490	-1
State Highway No. 14 - Sturt Highway				
Kyeamba	0.3 miles east of Main Road No. 384 (Alfred Town - Kyeamba Road)	1,340	1,310	-2
Hay	At Bungah Creek Bridge	950	910	-4
Wentworth	Buronga - 12 miles east of State Highway No. 22 (Silver City Highway)	1,020	1,000	-2

Local Government Area	Location	Annual Daily 1971	Average Traffic 1972	% age change
State Highway No. 15 - Barton Highway				
Goodradigbee	Yass - south of State Highway No. 2 - (Hume Highway)	2,270	2,490	+10
State Highway No. 16 - Bruxner Highway				
Tintenbar	Ballina - 2 miles west of State Highway No. 10 (Pacific Highway)	1,960	2,040	+4
Gundurimba	McKee's Hill Post Office	2,110	2,140	+1
Tenterfield	West of State Highway No. 9 (New England Highway)	220	230	+5
Boolooroo	Boggabilla - south of State Highway No. 17 (Newell Hwy)		770	
State Highway No. 17 - Newell Highway				
Boolooroo	Camurra - at Railway level crossing No. 209	830	960	+16
Boolooroo	Moree - south of Developmental Road No. 1289 (Burrington Road)		1,250	
Coonabarabran	Coonabarabran - north of State Highway No. 11 (Oxley Highway)		600	
Talbragar	Dubbo - 2 miles north of Post Office	2,480	2,570	+4
Goobang	2.1 miles north of Parkes Post Office	1,380	1,490	+8
Narrandera	2 miles east of Post Office	1,210	1,230	+1
Berrigan	Finley - 2 miles south of Post Office	1,720	1,720	0
State Highway No. 18 - Castlereagh Highway				
Coonamble	2 miles south of Post Office	540	540	0
State Highway No. 19 - Monaro Highway				
Yarrowlumla	Williamsdale - at A.C.T. Boundary		1,590	
Monaro	Bunyan - Bridge over Cooma Creek	1,580	1,640	+4
Monaro	Nimmitabel - 1 mile north of Post Office	830	820	-1
Bombala	0.5 miles north of Iris Street	550	580	+5

Local Government Area	Location	Annual Average Daily Traffic 1971	Annual Average Traffic 1972	% age change
State Highway No. 20 - Riverina Highway				
Hume	Albury - 4 miles west of Post Office	1,030	1,100	+7
Deniliquin	1 mile east of Main Road No. 552 (Jerilderie Road)	1,000	950	-5
State Highway No. 21 - Cobb Highway				
Murray	Deniliquin - 2 miles south of Post Office	900	910	+1
State Highway No. 22 - Silver City Highway				
Broken Hill	8 miles south of Post Office	240	220	
State Highway No. 23				
Newcastle	New Lambton Heights - north of Ridgeway Road	18,900	19,240	+2
State Highway No. 25 - Illawarra Highway				
Shellharbour	Macquarie Pass	1,900	1,870	-2
State Highway No. 26 - Calga - Ourimbah Road				
Gosford	At Peats Ridge Post Office	10,800	11,710	+8
Trunk Road No. 51 - Batemen's Bay - Canberra				
Eurobodalla	Nelligen - Bridge over Clyde River	1,030	1,120	+11
Yarrowlumla	Bungendore, east of Main Road No. 268 (Targo Road)		1,430	
Trunk Road No. 54 - Goulburn-Bathurst-Ilford				
Abercrombie	Perthville - north of Main Road No. 252 (Burruga Road)			
Rylstone	Ilford - west of Trunk Road No. 55 (Mudgee Road)		140	
Trunk Road No. 55 - Marrangaroo - Mullaley				
Blaxland	North of State Highway No. 5 (Great Western Highway)		2,330	
Cudgegong	Mudgee - 0.5 miles south of railway level crossing	1,400	1,390	-1
Liverpool Plains	Tambar Springs - north of Departmental Road No. 1232 (Garrawilla Road)		150	

Local Government Area	Location	Annual Daily 1971	Average Traffic 1972	% age change
Trunk Road No. 56 - Forbes - Yass				
Forbes	Forbes - at Lachlan River Bridge		1,380	
Boorowa	Boorowa - west of Kenya Road		530	
Trunk Road No. 57 - Nygau-Junee				
Lachlan	Condobolin - 0.3 miles south of Main Road No. 377 (Forbes Road)		280	
Trunk Road No. 61 - Orange - Cobar				
Canobolas	Orange - at Canobolas Shire Boundary	1,630	1,710	+5
Gobang	Parkes - 3.0 miles east of Post Office		1,080	
Trunk Road No. 62 - Scone - Coolah				
Coolah	Coolah - 0.3 miles east of Trunk Road No. 55 (Binnia St)		330	
Trunk Road No. 63 - Tamworth - Yetman				
Cockburn	Tamworth - 5.0 miles north of Post Office		1,510	
Trunk Road No. 65 - Ewingsdale - Lismore				
Bangalow	0.3 miles west of State Highway No. 10 (Pacific Highway)	1,550	1,640	+6
Trunk Road No. 72 - Willow Tree - Barrabri West				
Murrundi	Willow Tree - north of State Highway No. 9 (New England Hwy)		1,240	
Namoi	Narrabri West - 2.0 miles south of State Highway No. 17 (Newell Highway)		820	
Trunk Road No. 73 - Inverell - Walcha				
Macintyre	Inverell - north of Main Road No. 135 (Guyara Road)		1,200	
Trunk Road No. 74 - Armidale - South Grafton				
Dumaresq	Armidale - 3.0 miles east of State Highway No. 9 (New England Highway)		780	

Local Government Area	Location	Annual Daily 1971	Average Traffic 1972	% age change
Ulmarra	South Grafton - south of Main Road No. 151 (Grafton - Coffs Harbour Road)	450	460	+2
Trunk Road No. 76 - Raleigh - Ebor Fernmount	3.8 miles west of State Highway No. 10 (Pacific Highway)	1,580	1,600	+1
Trunk Road No. 77 - Gilgandra - Carboon Gilgandra	Gilgandra - east of State Highway No. 11 (Oxley Highway)		350	
Trunk Road No. 78 - Olympic Way Demondrille	Wombat - north of Main Road No. 379 (Murrumburrann Road)		1,360	
Mitchell	Wagga Wagga - 1 mile north of Main Road No. 240 (Coolamon Road)	1,750	1,830	+5
Trunk Road No. 83 - Grafton - Woodenbong Grafton	Bridge over Clarence River	13,400	13,780	+3
Copmanhurst	Koolkhan - 0.3 miles south of Main Road No. 150 (Koolkhan Woodenbong Road)	960	990	+1
Kyogle	Kyogle - 0.5 miles south of Highfield Road	1,420	1,460	+3
Trunk Road No. 84 - Browning - Temora Jindalee	Wallendbeen - east of Trunk Road No. 78 (Olympic Way)		940	
Trunk Road No. 95 - Picton - Wollongong Wollondilly	Maldon - at railway level crossing	1,600	1,590	-1
Main Road No. 101 - West Maitland - Weismantels Port Stephens	Paterson - west of Woodville Road	1,110	1,090	-2

Local Government Area	Location	Annual Daily 1971	Average Traffic 1972	% age change
Main Road No. 104 - East Maitland - Raymond Terrace				
Port Stephens	Raymond Terrace - South of Main Road No. 601 (Seaham Road)	1,400	1,590	+14
Main Road No. 105 - Scone - Nemingha				
Cockburn	Nemingha - 1.0 mile east of State Highway No. 9 (New England Hwy)		730	
Main Road No. 108 - Adamstown - Newcastle - Stockton - Nelson Bay				
Newcastle	Broadmeadow - south-west of Samdon Street	28,130	26,330	-6
Main Road No. 127 - Narrabri - Walgett				
Namoi	Narrabri - 6.0 miles west of State Highway No. 17 (Newell Highway)		930	
Main Road No. 129 - Quirindi - Qyambone				
Tamarang	Quirindi - west of Trunk Road No. 72 (Gunnedah Road)		260	
Coonabarabran	Coonabarabran - west of State Highway No. 11 (Birch Street)		520	
Main Road No. 130 - Tamworth - Quirindi				
Peel	Werris Creek - north of Developmental Road No. 1275 (Werris Creek Station Road)		930	
Main Road No. 134 - Bingara - Ashford				
Bingara	Bingara - north of Trunk Road No. 63 (Warialda Road)		280	
Main Road No. 135 - Gilgai - Ebor				
Guyra	Guyra - 5.0 miles east of Post Office		290	
Main Road No. 137 - Inverell - Bonshaw				
Ashford	Ashford - 0.1 mile south of Ely Street		410	

Local Government Area	Location	Annual Daily 1971	Average Traffic 1972	% age change
Main Road No. 147 - Woodburn - Lismore				
Woodburn	Ferry over Richmond River	200	200	0
Main Road No. 149 - Casino - Coraki - Buckendoon				
Woodburn	Coraki - Ferry over Richmond River	160	160	0
Main Road No. 152 - Lawrence - Yamba				
Maclean	Bluff Point - Ferry over Clarence River	110	210	+91
Main Road No. 162 - Mona Vale Road				
Ryde	North Ryde - De Burgh's Bridge over Lane Cove River	28,420	30,360	+7
Ku-ring-gai	Pymble - North of Orana Avenue	16,970	17,560	+3
Main Road No. 164 - Spit Road				
Manly	The Spit - Bridge over Middle Harbour	51,260	50,090	-2
Main Road No. 165 - Victoria Road				
Leichhardt	Glebe Island - Bridge over Johnston's Bay	47,500	47,740	+1
Drummoyne	Gladesville - Bridge over Parramatta River	69,330	70,140	+1
Main Road No. 166 - Huntley's Point - Lane Cove				
Lane Cove	Figtree Bridge over Lane Cove River	37,600	36,340	-3
Main Road No. 167 - Canterbury Road - Newbridge Road				
Canterbury	Wiley Park - east of Canary Road	33,930	34,370	+1
Bankstown	Milperra - Bridge over George's River	37,740	40,170	+9
Main Road No. 168 - Forest Road				
Sutherland	Lugarno - Ferry over George's River	1,660	1,720	+4

Local Government Area	Location	Annual Daily 1971	Average Traffic 1972	% age change
Main Road No. 172 - Oxford Street Woollahra	West of Ocean Street	41,510	40,550	-2
Main Road No. 177 - Appin Road Campbelltown	0.5 miles north of Post Office	10,400	10,640	+2
Main Road No. 181 - McGrath's Hill - Singleton Baulkham Hills Colo	Webb's Creek - Ferry over Hawkesbury River St Albans - at MacDonald River Bridge	160	190 150	+19
Main Road No. 182 - Windsor - Sackville Reach Baulkham Hills	Sackville Reach - Ferry over Hawkesbury River	240	270	+12
Main Road No. 184 - Parramatta - Mount Victoria Colo	Kurrajong - east of Main Road No. 519 (Colo Road)		5,110	
Main Road No. 194 - General Holmes Drive Botany	1.3 miles east of Bridge over Cock's River	60,340	56,480	-6
Main Road No. 199 - Rocky Point Road - Taren Sutherland	Point Road Captain Cook Bridge over George's River	41,900	42,980	+3
Main Road No. 200 - Concord Road Ryde	Uhrs Point - Bridge over Parramatta River	41,620	43,480	+4
Main Road No. 206 - Dubbo - Dunedoo Talbragar	Dubbo - 2.0 miles east of State Highway No. 17 (Newell Highway)		550	
Main Road No. 208 - Muswellbrook - Mudgee Cudgegong	Budgee Budgee - west of Main Road No. 214 (Cassilis Road)		400	

Local Government Area	Location	Annual Average		% age change
		Daily	Traffic	
		1971	1972	
Main Road No. 215 - Ilford - Bylong Rylstone	Ilford - 0.5 miles east of Trunk Road No. 55 (Mudgee Road)		360	
Main Road No. 217 - Wyong - Birmingham Gardens Lake Macquarie	Boolaroo - north of First Street	13,620	13,590	-2
Main Road No. 220 - Toronto - Brunkerville - Cessnock	Cessnock - Glendonbrook At Brunkerville Post Office	3,190	3,480	+9
Main Road No. 225 - Wiseman's Ferry - Central Baulkham Hills	Mangrove Wiseman's Ferry - Ferry over Hawkesbury River	440	460	+4
Main Road No. 230 - Lake Cargelligo - Condobolin Condobolin	Condobolin - west of Trunk Road No. 57 (Girral Road)		150	
Main Road No. 232 - Moree - Boonanger Boomi	Boomi - south of Main Road No. 507 (Calcona Road)		120	
Main Road No. 233 - Gulgong - Parkes Molong	Baldry - south of Main Road No. 234 (Cumnock Road)		120	
Main Road No. 239 - Henry Lawson Way Burrangong	Maimura - at railway level crossing		820	
Main Road No. 241 - Temora - Gunning Gunning	Dalton - south of Main Road No. 251 (Narrawa Road)		240	
Main Road No. 246 - George's Plains - Arthur Abercrombie	Arthur - north of Trunk Road No. 54 (Bathurst Road)		170	

Local Government Area	Location	Annual Daily 1971	Average Traffic 1972	% age change
Main Road No. 248 - Goulburn - Boorowa Crookwell	Winduella - north of Main Road No. 291 (Crookwell Rd)		160	
Main Road No. 249 - Sutton - Taggan Yarrowlumla	Sutton - north of State Highway No. 3 (Federal Highway)		450	
Main Road No. 253 - Hartley - Bathurst Blaxland	Hampton - north of Main Road No. 558 (Oberon Road)		810	
Main Road No. 256 - Goulburn - Oberon Oberon	Oberon - west of Main Road No. 253 (Carrington Avenue)		720	
Main Road No. 260 - Moss Vale - Mittagong Bowral	Bowral - south of Main Road No. 263 (Kangaloon Road)	5,200	5,060	-3
Main Road No. 261 - Moss Vale - Bomaderry Wingecarribee	Fitzroy Falls - North of Post Office	710	970	+14
Main Road No. 270 - Queanbeyan - Braidwood Yarrowlumla	Captain's Flat - at railway level crossing		380	
Main Road No. 286 - Mount Kosciusko Road Snowy River	Jindabyne - 10 miles north- west of Post Office	1,030	900	-13
Main Road No. 295 - Five Islands Road Wollongong	Cringilla - east of Main Rd No. 568 (Springhill Road)	34,010	34,170	+1
Main Road No. 309 - Rydalmere Avenue - Aston Street Parramatta	Camellia - south of River Road	22,220	22,080	-1
Main Road No. 310 - Cowra - Cudal Waugoola	Canowindra - 6.0 miles south of Main Road No. 237 (Blatchford Street)		600	

Local Government Area	Location	Annual Daily 1971	Average Traffic 1972	% age change
Main Road No. 328 - Warringah Road Warringah	Forestville - west of Melwood Avenue	44,120	45,530	+3
Main Road No. 332 - Berowra Waters Road Hornsby	Berowra Waters - Ferry over Berowra Creek	300	350	+17
Main Road No. 336 - Gosford - The Entrance Gosford	0.2 miles east of Russell Street	16,320	18,050	+11
Main Road No. 348 - Tullamore - Peak Hill Goobang	Tullamore - north of Main Road No. 350 (Bogan Gate Rd)		180	
Main Road No. 349 - Gosford - Patonga Gosford	Woy Woy - at Woy Woy Creek Bridge		8,900	
Main Road No. 357 - Boggabri - Manilla Manilla	Manilla - at railway level crossing		250	
Main Road No. 373 - Epping Road Hornsby	Epping - Bridge over Terry's Creek	26,590	27,420	+3
Main Road No. 377 - Boree - Condobolin Jemalong	Eugowra - 1.3 miles east of Main Road No. 238 (Parkes Rd)		410	
Main Road No. 503 - Wilberforce - Singleton Patrick Plains	Howes Valley - 3.5 miles north of Post Office	1,100	1,150	+5
Colo	Wilberforce - 0.5 miles north of Main Road No. 182 (Sackville Road)		2,900	
Main Road No. 504 - Moir's Corner - Avoca Beach Gosford	Kincumber - 1.0 miles west of Bridge Street		4,250	

Local Government Area	Location	Annual Daily 1971	Average Traffic 1972	% age change
Main Road No. 532 - Silverwater Road				
Parramatta	Silverwater - Bridge over Parramatta River	30,210	30,780	+2
Main Road No. 556 - Gladstone - Smithtown - Seven Oaks				
Macleay	Smithtown - Ferry over Macleay River	430	480	+12
Main Road No. 590 - Peat's Ridge - Bucketty				
Gosford	Central Mangrove - north of Main Road No. 225 (Central Mangrove Road)		1,110	
Main Road No. 593 - Southern Cross Drive				
Botany	Eastlakes - 0.6 miles north of Main Road No. 344 (Wentworth Avenue)	29,780	31,690	+6
Other Than Main Roads				
Concord	Mortlake - Ferry over Parramatta River	280	270	-4
Sydney	Pymont - Bridge over Darling Harbour	47,060	46,540	-1
Wakool	Speewa - Ferry over Murray River	60	70	+17
Ulmarra	Ulmarra - Ferry over Clarence River	40	40	0
Hornsby	Brooklyn Road east of Pacific Highway	1,470	1,360	-8
Newcastle	Tourle Street at Hunter River Bridge	2,380	9,090	+282*
Newcastle	Stockton - at Hunter River Bridge		7,290	
Merriwa	Cassilis - Dunedoo Road - 3.0 miles west of Main Road No. 214 (Cassilis Road)		140	
Coonabarabran	Timor Rock Road - 10.0 miles west of State Highway No. 11 (Oxley Highway)		170	

* Large increase due to opening of the Stockton Bridge.

APPENDICES

APPENDIX NO. 1

(A) COMMONWEALTH AID ROADS FUND

Statement of Receipts and Payments for the year ended 30th June, 1973

RECEIPTS			PAYMENTS		
	1972/73	1971/72		1972/73	1971/72
	\$	\$		\$	\$
Grants under the Commonwealth Aid Roads Act, 1969 -			Construction and reconstruction of Roads and Bridges -		
Urban Arterial Road - Schedule 2	46,520,000	39,060,000	Work by Councils -		
Rural Arterial Roads - Schedule 3	14,780,000	12,410,000	Urban Arterial Roads -		
Other Rural Roads - Schedule 4	3,493,632	3,326,617	Schedule 2	2,027,734	1,226,190
Planning & Research - Schedule 5	1,280,000	1,120,000	Other Rural Roads -		
			Schedule 4	3,291,758	3,080,834
			Work by Department -		
			Urban Arterial Roads -		
			Schedule 2	31,622,003	29,170,121
			Rural Arterial Roads -		
			Schedule 3	14,780,000	12,410,000
			Other Rural Roads -		
			Schedule 4	62,559	26,710
			Construction and maintenance of unclassified roads in the unincorporated area of Western Division		
			Work by Department -		
			Other Rural Roads -		
			Schedule 4	162,605	195,783
			Land acquisitions -		
			Urban Arterial Roads -		
			Schedule 2	9,154,630	7,918,528
			Planning and research - Schedule 5	1,280,000	1,741,592
Total Receipts	66,073,632	55,916,617	Total Payments	62,381,289	55,769,758
Balance brought forward from last year	768,451	621,592	Balance carried forward	4,460,794	768,451
	\$66,842,083	\$56,538,209		\$66,842,083	\$56,538,209

* For details see Appendix No. 5

APPENDIX NO. 1 - continued

(B) COUNTY OF CUMBERLAND MAIN ROADS FUND

Statement of Receipts and Payments for the year ended 30th June, 1973

(i) GENERAL PURPOSES

RECEIPTS	1972/73 \$	1971/72 \$	PAYMENTS	\$	1972/73. \$	1971/72 \$
Motor vehicle taxation in accordance with the Main Roads Act, 1924	21,145,953	13,831,864	Construction and reconstruction of roads and bridges -			
Charges on commercial vehicles under the Road Maintenance (Contribution) Act, 1958	3,663,187	3,537,392	Work by Councils	456,120		359,799
			Work by Department	<u>5,541,752</u>	5,997,872 ^φ	5,037,486
Levy upon Councils in accordance with Section 11 of the Main Roads Act, 1924	311,130	5,890,275	Land acquisition		7,055,670	6,063,013
Contributions by Councils towards maintenance and construction of Main and Secondary Roads	335,506	343,459	Maintenance and minor improvements of roads and bridges -			
			Work by Councils	990,764		1,238,715
Contributions by other departments and bodies towards maintenance and construction of Main and Secondary Roads	91,297	215,589	Work by Department	<u>4,711,246</u>	5,702,010*	4,192,276
Other	1,115,947	836,413	Purchase of land and buildings for Works Operations		542,848	448,120
			Planning and Research		169,831	-
			Administrative expenses		3,762,122	3,775,630
			Purchase of land and buildings for administration		88,684	176,802
			State Treasury Loans -			
			Interest, exchange, management and flotation expenses		201,370	193,710
			Loans under Section 42A of the Main Roads Act, 1924 -			
			Interest		694,857	671,819
			State Treasury - repayment of temporary advance		-	100,000
			Other		244,016	315,030
Total Receipts	26,663,020	24,654,992	Total Payments		24,459,280	22,572,400
			Transfer to County of Cumberland Reserve for Loan Repayments		290,850	145,425
			Transfers to and refunds from Special Purposes Accounts in respect of finance for Operating Accounts, Suspense Accounts and Reserve Accounts		2,964,758	1,307,414
					27,714,888	24,025,239
Balance brought forward from last year	2,657,943	2,028,190			1,606,075	2,657,943
	29,320,963	26,683,182			29,320,963	26,683,182

* For details see Appendix No. 8

φ For details see Appendix No. 6

APPENDIX NO. 1 - continued

(B) COUNTY OF CUMBERLAND MAIN ROADS FUND - continued
Statement of Receipts and Payments for the year ended 30th June, 1973 - continued
(ii) SPECIAL PURPOSES

RECEIPTS			PAYMENTS		
	\$	\$		\$	\$
State Government Loans - Repayable		750,000	1,000,000	Construction and reconstruction of roads and bridges -	
Loan borrowings under Section 42A of the Main Roads Act, 1924		6,275,000	6,300,000	Work by Department	8,306,908*
Sydney Harbour Bridge Account -				Maintenance and minor improvements of roads and bridges -	3,861,897
Warringah Freeway -				Work by Council	34,455
Construction	405,877		56,883	Work by Department	81,480
Resumption	<u>71,562 Dr.</u>	334,315	-	State Treasury Loans -	115,935
Commonwealth/State Government Grant for relief of unemployment		276,300	-	Sinking fund payment	17,000
Contributions by other departments and bodies		-	49,500	Loans under Section 42A of the Main Roads Act, 1924 -	
				Repayment of principal	197,479
Total Receipts		<u>7,635,615</u>	<u>7,406,383</u>	Total Payments	<u>8,637,322</u>
Net transactions of Operating Accounts, Suspense Accounts and transfers to and from the General Purposes Account in respect of finance for Reserve Accounts		3,354,926	644,678		
		<u>10,990,541</u>	<u>8,051,061</u>		
Balance brought forward from last year		<u>8,740,218</u>	<u>4,737,642</u>	Balance carried forward	11,093,437
		19,730,759	12,788,703		<u>8,740,218</u>
					19,730,759
					<u>12,788,703</u>

* For details see Appendix No. 6A

(iii) RESERVE FOR LOAN REPAYMENTS

RECEIPTS			PAYMENTS		
	\$	1972/73	1971/72		1972/73
		\$	\$		\$
Transfer from -					
General Purposes Account	290,850		145,425		
Special Purposes Account	<u>283,977</u>	574,827	218,206		
Interest on investments		388,685	254,600		
Discount on inscribed stock purchased below par		-	700		
Total Receipts		<u>963,512</u>	<u>618,931</u>	Total Payments	-
Balance brought forward from last year -				Balance carried forward -	-
Investments	1,298,200		948,200	Investments	2,578,200
Cash	<u>742,076</u>	2,040,276	473,145	Cash	<u>425,588</u>
		<u>3,003,788</u>	<u>2,040,276</u>		<u>3,003,788</u>
					<u>2,040,276</u>

APPENDIX NO. 1 - continued

(C) COUNTRY MAIN ROADS FUND

Statement of Receipts and Payments for the year ended 30th June, 1973

(i) GENERAL PURPOSES

RECEIPTS	1972/73	1971/72	PAYMENTS	1972/73	1971/72
	\$	\$		\$	\$
Motor vehicle taxation in accordance with the Main Roads Act, 1924	53,268,646	42,118,337	Construction and reconstruction of roads and bridges -		
Charges on commercial vehicles under the Road Maintenance (Contribution) Act, 1958	14,652,750	14,149,567	Work by Councils	8,847,894	8,779,433
			Work by Department	<u>19,165,985</u>	15,119,767
Contributions by Councils towards maintenance and construction of Main Roads	89,141	301,841	Land acquisition	1,779,912	1,134,874
Contributions by other departments and bodies towards maintenance and construction of Main Roads	159,488	148,086	Maintenance and minor improvements of roads and bridges -		
Other	219,695	183,896	Work by Councils	9,213,809	6,960,845
			Work by Department	<u>13,193,488</u>	13,210,276
			Purchase of land and buildings for works operations	309,628	613,731
			Planning and research	223,616	-
			Administrative expenses	6,187,337	5,637,843
			Purchase of land buildings for administration	484,358	35,167
			State Treasury Loans -		
			Interest, exchange, management and flotation expenses	949,127	922,270
			Loans under Section 42A of the Main Roads Act, 1924 -		
			Interest	1,124,976	1,086,255
			State Treasury - repayment of temporary advance	-	100,000
			Other	469,305	547,288
Total Receipts	<u>68,389,720</u>	<u>56,901,727</u>	Total Payments	<u>61,949,435</u>	<u>54,147,749</u>
			Transfer to Country Reserve for Loan Repayments	338,176	163,763
			Transfers to and refunds from Special Purposes Accounts in respect of finance for Operating Accounts, Suspense Accounts and Reserve Accounts.	<u>4,418,652</u>	<u>1,687,289</u>
				66,706,263	55,998,801
Balance brought forward from last year	<u>3,227,760</u>	<u>2,324,834</u>	Balance carried forward	<u>4,911,217</u>	<u>3,227,760</u>
	71,617,480	59,226,561		71,617,480	59,226,561

* For details see Appendix No. 9

ø For details see Appendix No. 7

APPENDIX NO. 1 - continued

(C) COUNTRY MAIN ROADS FUND - continued

Statement of Receipts and Payments for the year ended 30th June, 1973 - continued

(ii) SPECIAL PURPOSES

RECEIPTS			PAYMENTS		
	1972/73	1971/72		1972/73	1971/72
	\$	\$		\$	\$
State Government Loans - Repayable	750,000	1,000,000	Construction and reconstruction of roads and bridges -		
Loan borrowings under Section 42A of the Main Roads Act, 1924	800,000	500,000	Work by Councils	73,442	43,528
Contributions by other departments and bodies	400,000	362,600	Work by Department	<u>1,658,453</u>	<u>3,151,437</u>
Commonwealth/State Government grant for relief of unemployment	1,609,958	655,000	Maintenance and minor improvement of roads and bridges -		
			Work by Councils	1,509,812	
			Work by Department	<u>220,808</u>	<u>762,196</u>
			Restoration of flood damage -		
			Work by Councils	-	475,456
			State Treasury Loans -		
			Sinking fund payment	181,823	172,730
			Loans under Section 42A of the Main Roads Act, 1924 -		
			Repayment of principal	186,916	177,466
Total Receipts	<u>3,559,958</u>	<u>2,517,600</u>	Total Payments	<u>3,831,254</u>	<u>4,782,813</u>
Net transactions of Operating Accounts, Suspense Accounts and Transfers to and from the General Purposes Accounts in respect of finance for Reserve Accounts.	6,866,697	1,077,813			
	<u>10,426,655</u>	<u>3,595,413</u>			
Balance brought forward from last year	6,438,302	7,625,702	Balance carried forward	13,033,703	6,438,302
	<u>16,864,957</u>	<u>11,221,115</u>		<u>16,864,957</u>	<u>11,221,115</u>

* For details see Appendix No. 7A.

APPENDIX NO. 1 - continued

(C) COUNTRY MAIN ROADS FUND - continued

Statement of Receipts and Payments for the year ended 30th June, 1973 - continued

(iii) RESERVE FOR LOAN REPAYMENTS

RECEIPTS			PAYMENTS		
	\$	1972/73 \$	1971/72 \$		\$
Transfer from -					
General Purposes Account	338,176		163,763		
Special Purposes Account	49,249	387,425	19,647		
Interest on Investments		73,874	152,792		
Discount on inscribed stock purchased below par		-	300		
<u>Less</u> Discount on inscribed stock sold below par		-	14,844*		
Total Receipts		461,299	321,658	Total Payments	-
Balance brought forward from last year -				Balance carried forward -	
Investments		545,000	611,378	Investments	1,145,000
Cash		575,180	187,144	Cash	436,479
		<u>1,581,479</u>	<u>1,120,180</u>		<u>1,581,479</u>

*Debit

(D) SYDNEY HARBOUR BRIDGE ACCOUNT

Income and Expenditure for the year ended 30th June, 1973

INCOME			EXPENDITURE		
	1972/73 \$	1971/72 \$		1972/73 \$	1971/72 \$
Road Tolls	4,691,485	4,707,302	Maintenance, lighting and cleaning bridge and approaches	998,359	803,248
Railway Tolls	282,408	272,465	Traffic facilities	367,778	292,276
Omnibus Tolls	24,744	21,723	Cost of collecting road tolls	533,854	507,614
Net rent from properties	254,204	167,722	Improvements and alterations to toll gates and archways	9,369	7,031
			Administrative Expenses	197,136	175,443
			Loan Charges - State Loans	1,250,650	1,251,890
			Loan Charges - Borrowings under Section 42A of the Main Roads Act	<u>905,675</u>	<u>909,144</u>
Total Income	5,252,841	5,169,212	Total Expenditure	4,262,821	3,946,646
			Excess of income over expenditure transferred to to appropriation account	<u>990,020</u>	<u>1,222,566</u>
				5,252,841	5,169,212

APPENDIX NO. 1 - continued

(D) SYDNEY HARBOUR BRIDGE ACCOUNT - continued

Income and Expenditure Account for the year ended 30th June, 1973

APPROPRIATION ACCOUNT

	1972/73	1971/72
\$	\$	\$
Excess of income over expenditure transferred from Income and Expenditure Account	990,020	1,222,566
Less Transfers to County of Cumberland Main Roads Fund (Special Purposes Account) for:-		
Warringah Freeway -		
Construction	405,877	
Resumption	<u>71,562</u>	<u>56,883</u>
Surplus for year	655,705	1,165,683
Surplus brought forward from last year	<u>2,019,096</u>	<u>853,413</u>
Accumulated surplus carried forward	2,674,801	2,019,096

ϕ Credit

SYDNEY HARBOUR BRIDGE LOAN RESERVE ACCOUNT

Income and Expenditure Account for the year ended 30th June, 1973

INCOME	1972/73	1971/73	EXPENDITURE	1972/73	1971/72
	\$	\$		\$	\$
Transfers from Sydney Harbour Bridge Account	243,472	243,472	Premium and brokerage on stock purchased	-	800
Interest on Investments	<u>98,582</u>	<u>87,136</u>	Loan No. 74 repaid on maturity	<u>75,000</u>	-
Total Income	342,054	330,608	Total Expenditure	75,000	800
Balance brought forward from last year	<u>1,646,143</u>	<u>1,316,335</u>	Balance carried forward	<u>1,913,197</u>	<u>1,646,143</u>
	1,988,197	1,646,943		1,988,197	1,646,943

APPENDIX NO. 1 - continued

SYDNEY HARBOUR BRIDGE ACCOUNT

Balance Sheet as at 30th June, 1972.

LIABILITIES			ASSETS		
	\$	1972/73 \$		\$	1971/72 \$
<u>Accumulated Funds and Reserves</u>			<u>Fixed Assets</u>		
Surpluses from Bridge Operations and other sources -			Bridge Construction	19,060,785	19,060,785
Applied to capital works	26,664,724		Warringah Freeway	26,092,764	25,758,449
Applied to Loan repayments	8,674,234		Cahill Expressway	8,977,270	8,977,270
Appropriation Account	2,674,801		Conversion of Tramtracks	2,011,340	2,011,340
Capital Redemption Reserve	<u>1,913,197</u>	39,926,956	Widening Western Approach	364,068	364,068
				<u>56,506,227</u>	
			Furniture and equipment, less depreciation	<u>218,929</u>	56,725,156
					256,303
<u>Long Term Liabilities</u>			<u>Investments</u>		
General Loan Account	13,004,418		Securities of Public Authorities		1,828,000
Loans raised under Section 42A of the Main Roads Act, 1924	<u>8,162,850</u>	21,167,268			1,178,000
			<u>Current Assets</u>		
<u>Current Liabilities</u>			Stores and materials	38,904	36,270
Sundry Creditors - State Treasury for Sinking Fund	1,944,160		Sundry Debtors and Accrued Interest	91,926	446,851
Private lenders for interest	124,854		Cash	<u>4,590,030</u>	4,720,860
Other	<u>110,778</u>	2,179,792			4,281,306
		<u>63,274,016</u>			<u>63,274,016</u>
					<u>61,970,642</u>

APPENDIX NO. 2

(A) COMMONWEALTH AID ROADS FUND

Statement of Receipts and Payments for the Five Years ended 30th June, 1973

Heading	1968-69	1969-70	1970-71	1971-72	1972-73
	\$	\$	\$	\$	\$
RECEIPTS					
Grants under the Commonwealth Aid Roads Act, 1969 -					
Urban Arterial Roads - Schedule 2		26,070,000	32,740,000	39,060,000	46,520,000
Rural Arterial Roads - Schedule 3		10,260,000	10,400,000	12,410,000	14,780,000
Rural Roads other than					
Arterial Roads - Schedule 4		3,016,880	3,168,713	3,326,617	3,493,632
Planning and Research - Schedule 5		860,000	970,000	1,120,000	1,280,000
Total:	\$	40,206,880	47,278,713	55,916,617	66,073,632
PAYMENTS					
Construction and reconstruction of roads and bridges -					
Urban Arterial Roads - Schedule 2		20,301,657	26,454,277	30,396,311	38,649,737
Rural Arterial Roads - Schedule 3		10,181,993	10,478,007	12,410,000	14,780,000
Other Rural Roads - Schedule 4		2,556,403	3,190,628	3,107,544	3,354,317
Construction and maintenance of unclassified roads in the unincorporated area of Western Division -					
Other Rural Roads - Schedule 4		202,567	235,995	195,783	162,605
Land Acquisitions - Schedule 2		5,768,343	6,285,723	7,918,528	9,154,630
Planning and Research - Schedule 5		314,854	893,554	1,741,592	1,280,000
Total:	\$	39,325,817	47,538,184	55,769,758	62,381,289

(B) COUNTY OF CUMBERLAND MAIN ROADS FUND

Statement of Receipts and Payments for the Five Years ended 30th June, 1973

(i) GENERAL PURPOSES

Heading	1968-69	1969-70	1970-71	1971-72	1972-73
	\$	\$	\$	\$	\$
RECEIPTS					
Motor vehicle taxation and fees	6,967,353	7,329,367	7,679,104	13,831,864	21,145,953
Charges on commercial vehicles under the Road Maintenance (Contribution) Act	2,959,884	3,174,401	3,368,265	3,537,392	3,663,187
Commonwealth Aid Roads Act	5,618,544	-	-	-	-
Levy upon Councils under Section II of the Main Roads Act	7,538,001	9,819,528	11,407,160	5,890,275	311,130
Contributions by Councils	79,751	30,028	189,807	343,459	335,506
Other	653,936	851,215	1,260,870	1,052,002	1,207,244
Total:	\$23,817,469	21,204,538	23,905,206	24,654,992	26,663,020

APPENDIX NO. 2 - continued

(B) COUNTY OF CUMBERLAND MAIN ROADS FUND - continued

Statement of Receipts and Payments for the Five Years ended 30th June, 1973 - continued

(i) GENERAL PURPOSES - continued

Heading	1968-69	1969-70	1970-71	1971-72	1972-73
	\$	\$	\$	\$	\$
PAYMENTS					
Construction and reconstruction of roads and bridges	10,794,051	4,140,466	4,972,183	5,397,285	5,997,872
Land Acquisition	4,680,840	7,510,084	7,659,737	6,063,013	7,055,670
Maintenance and minor improvements of roads and bridges	4,146,532	4,910,576	5,192,508	5,430,991	5,702,010
Purchase of land and buildings for works operation	49,742	714,737	680,592	448,120	542,848
Planning and Research	-	-	-	-	169,831
Administrative Expenses	1,700,758	2,330,307	3,073,299	3,775,630	3,762,122
Purchase of land and buildings for administration	171,312	156,492	192,684	176,802	88,684
Interest, exchange, management and flotation expenses on State Loans	153,930	166,630	181,530	193,710	201,370
Interest on Loans raised under Section 42A of the Main Roads Act	454,252	594,334	639,031	671,819	694,857
Other	160,022	182,498	313,849	315,030	244,016
Repayment of Temporary Advance from State Treasury	100,000	100,000	100,000	100,000	-
Total:	\$22,411,439	20,806,124	23,005,413	22,572,400	24,459,280

(ii) SPECIAL PURPOSES

Heading	1968-69	1969-70	1970-71	1971-72	1972-73
	\$	\$	\$	\$	\$
RECEIPTS					
Loan Funds - State Government	4,800,000	300,000	1,700,000	1,000,000	750,000
Loan Funds - Borrowings under Section 42A of the Main Roads Act	5,400,000	-	4,000,000	6,300,000	6,275,000
Sydney Harbour Bridge Account for freeway approaches	900,000	223,762	69,889	56,883	334,315
Commonwealth Aid Roads Act	238,385	-	-	-	-
Commonwealth/State Government Special Grants	-	-	-	-	276,300
Contribution from other departments and bodies	41,908	-	50,000	49,500	-
Total:	11,380,293	523,762	5,819,889	7,406,383	7,635,615
PAYMENTS					
Construction and reconstruction of roads and bridges	11,232,432	2,030,746	5,596,275	3,861,897	8,306,908
Maintenance and minor improvements of roads and bridges	-	-	-	-	115,935
Department of Motor Transport - for Public Vehicles Fund	59,167	-	-	-	-
Department of Public Works - for research	566	-	-	-	-
Payment of Sinking Fund on State Loans	10,820	13,130	14,440	15,470	17,000
Repayment of principal on loans raised under Section 42A of the Main Roads Act	128,518	159,784	202,366	171,118	197,479
Total:	11,431,503	2,203,660	5,813,081	4,048,485	8,637,322

APPENDIX NO. 2 - continued

(C) COUNTRY MAIN ROADS FUND

Statement of Receipts and Payments for the Five Years ended 30th June, 1973

(i) GENERAL PURPOSES

Heading	1968-69	1969-70	1970-71	1971-72	1972-73
	\$	\$	\$	\$	\$
RECEIPTS					
Motor Vehicle taxation and fees	27,869,412	29,317,466	30,716,415	42,118,337	53,268,646
Charges on commercial vehicles under the Road Maintenance (Contribution) Act	11,839,537	12,697,604	13,473,061	14,149,567	14,652,750
Commonwealth Aid Roads Act	21,918,175	-	-	-	-
Contributions by Councils	182,310	38,805	85,027	301,841	89,141
Other	326,363	479,462	526,023	331,982	379,183
Total:	62,135,797	42,533,337	44,800,526	56,901,727	68,389,720
PAYMENTS					
Construction and reconstruction of roads and bridges	37,821,718	16,578,251	17,017,924	23,899,200	28,013,879
Land acquisition	602,508	849,494	994,374	1,134,874	1,779,912
Maintenance and minor improvements of roads and bridges	15,479,836	17,057,863	17,289,539	20,171,121	22,407,297
Purchase of land and buildings for works operations	785,391	703,593	734,041	613,731	309,628
Planning and research	-	-	-	-	223,616
Administrative expenses	3,678,322	3,802,341	4,299,804	5,637,843	6,187,337
Purchase of land and buildings for administration	71,732	351,738	140,087	35,167	484,358
Interest, exchange, management and flotation expenses on State Loans	817,177	865,245	958,269	922,270	949,127
Interest on Loans raised under Section 42A of the Main Roads Act	96,358	333,384	771,189	1,086,255	1,124,976
Other	522,426	414,462	457,557	547,288	469,305
Repayment of Temporary Advance from State Treasury	100,000	100,000	100,000	100,000	-
Total:	59,975,468	41,056,371	42,762,784	54,147,749	61,949,435

(ii) SPECIAL PURPOSES

Heading	1968-69	1969-70	1970-71	1971-72	1972-73
	\$	\$	\$	\$	\$
RECEIPTS					
Loan Funds - State Government	-	1,700,000	550,000	1,000,000	750,000
Loan Funds - Borrowings under Section 42A of the Main Roads Act, 1924	2,700,000	8,600,000	5,000,000	500,000	800,000
Commonwealth/State Government Special Grants	-	-	2,400,000	655,000	1,609,958
Commonwealth Aid Roads Act	1,169,164	-	-	-	-
Contributions from other departments and bodies	186,480	639,683	364,287	362,600	400,000
Total:	4,055,644	10,939,683	8,314,287	2,517,600	3,559,958

(C) COUNTRY MAIN ROADS FUND - continued

Statement of Receipts and Payments for the Five Years ended 30th June, 1973 - continued

(ii) SPECIAL PURPOSES - continued

Heading	1968-69	1969-70	1970-71	1971-72	1972-73
	\$	\$	\$	\$	\$
PAYMENTS					
Construction and reconstruction of roads and bridges	1,125,145	9,373,097	7,343,893	3,194,965	1,731,895
Construction and maintenance of unclassified roads in the unincorporated area of the Western Division	373,341	-	-	-	-
Maintenance and minor improvements of roads, bridges and ferries	92,996	145,076	178,816	762,196	1,730,620
Restoration of flood damage	-	-	1,924,544	475,456	-
Department of Motor Transport - for Public Vehicles Fund	236,667	-	-	-	-
Department of Public Works - for works connected with transport by water and for research	558,266	-	-	-	-
Repayment of principal and payment of Sinking Fund - State Government Loans	145,202	153,345	166,261	172,730	181,823
Repayment of Principal - Loans raised under Section 42A of the Main Roads Act, 1924	32,568	54,597	123,136	177,466	186,916
Total:	2,564,185	9,726,115	9,736,650	4,782,813	3,831,254

(D) DEVELOPMENTAL ROADS FUND

Statement of Receipts and Payments for the Five Years ended 30th June, 1973

Heading	1968-69	1969-70	1970-71	1971-72	1972-73
	\$	\$	\$	\$	\$
RECEIPTS					
Commonwealth Aid Roads Act	1,724,117	-	-	-	-
Total:	1,724,117	-	-	-	-
PAYMENTS					
Construction and reconstruction of Developmental Roads and Works	1,319,850	506,015	-	-	-
Total:	1,319,850	506,015	-	-	-

APPENDIX NO. 2 - continued

(E) TOTAL ALL ROADS FUND

Statement of Receipts and Payments for the Five Years ended 30th June, 1973

(i) GENERAL PURPOSES

Heading	1968-69	1969-70	1970-71	1971-72	1972-73
	\$	\$	\$	\$	\$
RECEIPTS					
Motor Vehicle taxation and fees	34,836,765	36,646,833	38,395,519	55,950,201	74,414,599
Charge on commercial vehicles under the Road Maintenance (Contribution) Act	14,799,421	15,872,005	16,841,326	17,686,959	18,315,937
Commonwealth Aid Roads Act	29,260,836	40,206,880	47,278,713	55,916,617	66,073,632
Levy upon Councils under Section II of the Main Roads Act	7,538,001	9,819,528	11,407,160	5,890,275	311,130
Contributions by Councils	262,061	29,878	274,834	645,300	424,647
Other	980,299	1,369,632	1,786,893	1,383,984	1,586,427
Total:	87,677,383	103,944,756	115,984,445	137,473,336	161,126,372
PAYMENTS					
Construction and reconstruction of roads and bridges	49,935,619	54,264,785	62,113,019	75,210,340	85,795,805
Construction and maintenance of unclassified roads in the unincorporated area of the Western Division	-	202,567	235,995	195,783	162,605
Land acquisition	5,283,348	14,127,921	14,939,834	15,116,415	17,990,212
Maintenance and minor improvements of roads and bridges	19,626,368	21,968,439	22,482,047	25,602,112	28,109,307
Purchase of land buildings for works operation	835,131	1,418,330	1,414,633	1,061,851	852,476
Planning and Research	-	314,854	893,554	1,741,592	1,673,447
Administrative expenses	5,379,080	6,132,648	7,373,103	9,413,473	9,949,459
Purchase of land and buildings for administration	243,046	508,230	332,771	211,969	573,042
Interest, exchange, management and flotation expenses on State Loans	971,107	1,031,875	1,139,799	1,115,980	1,150,497
Interest on loan raised under Section 42A of the Main Roads Act	550,610	927,718	1,410,220	1,758,074	1,819,833
Other	682,448	596,960	771,406	862,318	713,321
Repayment of Advances from State Treasury	200,000	200,000	200,000	200,000	-
Total:	83,706,757	101,694,327	113,306,381	132,489,907	148,790,004

(ii) SPECIAL PURPOSES

Heading	1968-69	1969-70	1970-71	1971-72	1972-73
	\$	\$	\$	\$	\$
RECEIPTS					
Loan Funds - State Government	4,800,000	2,000,000	2,250,000	2,000,000	1,500,000
Loan Funds - Borrowings under Section 42A of the Main Roads Act	8,100,000	8,600,000	9,000,000	6,800,000	7,075,000
Commonwealth/State Government Special Grants	-	-	2,400,000	655,000	1,886,258
Sydney Harbour Bridge Account for expressway approach	900,000	223,762	69,889	56,883	334,315
Commonwealth Aid Roads Act	1,407,549	-	-	-	-
Contributions from other departments and bodies	228,388	639,683	414,287	412,100	400,000
Total:	15,435,937	11,463,445	14,134,176	9,923,983	11,195,573

APPENDIX NO. 2 - continued

(E) TOTAL ALL ROADS FUNDS - continued

Statement of Receipts and Payments for the Five Years ended 30th June, 1973 - continued

(ii) SPECIAL PURPOSES - continued

Heading	1968-69	1969-70	1970-71	1971-72	1972-73
	\$	\$	\$	\$	\$
PAYMENTS					
Construction and reconstruction of roads and bridges	12,357,577	11,403,843	12,940,168	7,056,862	10,038,803
Construction and maintenance of unclassified roads in the unincorporated area of the Western Division	373,341	-	-	-	-
Maintenance and minor improvements of roads, bridges and ferries	92,996	145,076	178,816	762,196	1,846,555
Restoration of Flood Damage	-	-	1,924,544	475,456	-
Department of Motor Transport - for Public Vehicles Fund	295,834	-	-	-	-
Department of Public Works - for works connected with transport by water and for research	558,832	-	-	-	-
Repayment of Principal and Payment of Sinking Fund - State Government Loans	156,022	166,475	180,701	188,200	198,823
Repayment of Principal - Loans raised under Section 42A of the Main Roads Act	161,086	214,381	325,502	348,584	384,395
Total:	13,995,688	11,929,775	15,549,731	8,831,298	12,468,576

APPENDIX NO. 2 - continued

(F) SYDNEY HARBOUR BRIDGE ACCOUNT

Statement of Income and Expenditure for the Five Years ended 30th June, 1973

Heading	1968-69	1969-70	1970-71	1971-72	1972-73
	\$	\$	\$	\$	\$
INCOME					
Road tolls on vehicles	4,302,533	4,549,136	4,518,708	4,707,302	4,691,485
Railway passenger tolls (net)	284,416	289,630	299,992	272,465	282,408
Omnibus Passenger tolls	27,730	26,851	26,151	21,723	24,744
Net rent from properties	125,640	139,347	170,700	167,722	254,204
Total:	4,470,319	5,004,964	5,015,551	5,169,212	5,252,841
EXPENDITURE					
Loan Charges - State Loans					
Interest	755,970	751,830	764,430	769,160	755,070
Exchange	12,570	13,250	11,460	9,400	3,430
Sinking Fund	367,360	385,170	407,920	426,120	444,480
Management Expenses	2,430	2,610	2,790	2,200	2,540
Flotation Expenses	37,120	41,450	43,060	45,010	45,130
	1,175,450	1,194,310	1,229,660	1,251,890	1,250,650
Loan Charges - borrowings under Section 42A of the Main Roads Act, 1924					
Interest	517,747	508,958	499,722	490,429	478,952
Repayment of Principal	153,718	160,499	167,668	175,243	183,251
Transfer to Reserve for loan repayment	226,487	353,878	256,186	243,472	243,472
	879,952	1,023,335	923,576	909,144	905,675
Maintenance, lighting and cleaning of bridge and approaches	577,746	576,936	564,345	803,248	998,359
Provision of traffic facilities	132,184	149,018	161,124	292,276	367,778
Cost of collecting road tolls	584,275	635,340	516,030	507,614	533,854
Alterations to toll gates and archways	72,694	70,046	32,143	7,031	9,369
Administrative Expenses	101,214	71,223	81,346	175,443	197,136
Total:	3,541,515	3,720,208	3,508,224	3,946,646	4,262,821
Surplus for the year	1,198,804	1,284,756	1,507,327	1,222,566	990,020

APPENDIX NO. 3

SUMMARY OF LOAN LIABILITIES TO THE STATE TREASURY
AS AT 30TH JUNE, 1973

Particulars	County of Cumberland Main Roads Fund			Country Main Roads Fund		Developmental Roads Fund	Total
	Section 13 (4C) of Main Roads Act, 1924	Sydney-Newcastle Tollway	Waterfall to Bulli Tollway	Section 21 (3, 3A and 3B) of Main Roads Act, 1924	Sydney-Newcastle Tollway	Section 21 (8) of Main Roads Act, 1924	
	\$	\$	\$	\$	\$	\$	\$
GROSS LIABILITY ASSUMED:							
Prior to 1st July, 1972	3,850,000	10,900,000	1,150,000	15,435,305	15,300,000	3,449,039	50,084,344
During 1972/73	-	750,000	-	-	750,000	-	1,500,000
Total to 30th June, 1973	\$3,850,000	11,650,000	1,150,000	15,435,305	16,050,000	3,449,039	51,584,344
REPAYMENT OF PRINCIPAL AND SINKING FUND CONTRIBUTION:							
Prior to 1st July, 1972							
By Department	105,190	109,320	3,730	4,461,632	291,380	47,001	5,018,253
By Commonwealth Government under Financial Agreement and Federal Aid Roads and Works Agreement	73,596	95,401	3,598	1,432,953	202,814	362,502	2,170,864
Total prior to 1st July, 1972	178,786	204,721	7,328	5,894,585	494,194	409,503	7,189,117
During 1972/73 -							
By Department	17,000	36,690	3,210	181,823	59,950	-	298,673
By Commonwealth Government under Financial Agreement	9,411	27,779	2,878	29,936	37,894	8,450	116,348
Total during 1972/73	26,411	64,469	6,088	211,759	97,844	8,450	415,021
To 30th June, 1973 -							
By Department	122,190	146,010	6,940	4,643,455	351,330	47,001*	5,316,926
By Commonwealth Government under Financial Agreement and Federal Aid Roads and Work Agreement	83,007	123,180	6,476	1,462,889	240,708	370,952	2,287,212
Total to 30th June, 1973	\$ 205,197	269,190	13,416	6,106,344	592,038	417,953	7,604,138
NET LIABILITY AT 30TH JUNE, 1973	\$3,644,803	11,380,810	1,136,584	9,328,961	15,457,962	3,031,086	43,980,206

* State Treasury has paid \$1,654,275 to 30th June, 1973 in connection with the Sinking Fund Liability.

APPENDIX NO. 4

SUMMARY OF LOAN LIABILITIES AS AT 30TH JUNE, 1973
LOAN BORROWINGS UNDER SECTION 42A OF THE MAIN ROADS ACT

Particulars	County of Cumberland Main Roads Fund	County of Cumberland Waterfall to Bulli Tollwork	Sydney-Newcastle Tollway		Country Main Roads Fund	Sydney Harbour Bridge Account Warringah Freeway	Total
			County of Cumberland	Country			
	\$	\$	\$	\$	\$	\$	\$
GROSS LIABILITY ASSUMED:							
Prior to 1st July, 1972	12,855,000	8,800,000	4,000,000	1,000,000	17,100,000	9,320,000	53,075,000
During 1972/73	-	5,775,000	500,000	500,000	300,000	-	7,075,000
Total to 30th June, 1973	\$12,855,000	14,575,000	4,500,000	1,500,000	17,400,000	9,320,000	60,150,000
REPAYMENT OF PRINCIPAL AND SINKING FUND CONTRIBUTION:							
Prior to 1st July, 1972 -							
Principal	979,417	95,001	40,000	97,085	387,767	898,899	2,498,169
Sinking Fund	1,260,196	298,030	482,050	104,660	1,015,520	1,646,143	4,806,599
During 1972/73 -							
Principal	197,479	185,907	10,000	23,023	186,916	258,251	861,576
Sinking Fund	290,850	93,375	190,602	49,249	338,176	168,472	1,130,724
Net Interest on Investment	61,651	280,287	46,747	16,423	57,450	98,582	561,140
Total to 30th June, 1973	\$ 2,789,593	952,600	769,399	290,440	1,985,829	3,070,347	9,858,208
NET LIABILITY AT 30TH JUNE, 1973	\$10,065,407	13,622,400	3,730,601	1,209,560	15,414,171	6,249,653	50,291,792

COMMONWEALTH AID ROADS FUND

Summary of Payments from Department's Funds on Construction and Reconstruction Works

(A) COUNTY OF CUMBERLAND AREA

(i) Freeways

City, Municipal or Shire Area	Road No.	Location of Work	Class of Construction	Constructing Authority	Amount
WARRINGAH FREEWAY					\$
North Sydney and Willoughby	F1	Miller Street to Willoughby Road	Supervision	Department	1,018
					<u>\$1,018</u>
NORTH-WESTERN FREEWAY					
Sydney	F3	Darling Harbour Goods Yard	Public utility adjustment.	Sydney City Council	63,300
do	F3	Druitt Street, City to Bridge Road, Glebe	Public utility adjustment.	Australian Gas Light Co.	7,124
do	F3	Druitt Street, City to Bridge Road, Glebe	Public utility adjustment.	Sydney County Council	25,962
do	F3	Druitt Street, City to Bridge Road, Glebe	Public utility adjustment.	Colonial Sugar Refinery	900
do	F3	Druitt Street, City to Bridge Road, Glebe	Public utility adjustment.	M. W. S. and D. B.	85,128
do	F3	Druitt Street, City to Bridge Road, Glebe	Public utility adjustments.	Postmaster-General's Dept.	61,774
do	F3	Darling Harbour Goods Yard	Supply of post tension hardware	do	7,822
do	F3	Darling Harbour Goods Yard	"D" series foundation test bores	do	11,716
do	F3	Darling Harbour Goods Yard	Bathurst Street utility tunnel	do	13,409
do	F3	Darling Harbour Goods Yard	Substructures	do	526,482
do	F3	Druitt Street, City to Bridge Road, Glebe	Supervision Costs	do	39,274
do	F3	Darling Harbour Goods Yard.	Supply of Precast Column Segments	do	26,422
					<u>\$869,313</u>
WESTERN DISTRIBUTOR AND WESTERN FREEWAY					
Auburn, Strathfield and Parramatta	F4	Wentworth Road to Wentworth Street, Clyde	Construction	Department	295,308
Auburn	F4	Silverwater Road, Auburn	Prestressed Concrete Bridge	do	57,050
do	F4	Hill Road, Auburn	do	do	21,438
do	F4	King Avenue, Auburn	do	do	8,952
do	F4	Haslam's Creek Stormwater Channel	do	do	54,700
Blacktown	F4	Wallgrove Road to Prospect Terminal	Construction	do	512,662
Blacktown and Penrith	F4	Wallgrove Road to Emu Plains	do	do	2,926,762
Blacktown	F4	Horsley Road	Construction of Twin Bridges	do	24,649
do	F4	Chatsworth Road, Mt. Druitt	Construction of Overpass	do	194,466
do	F4	Wallgrove Road, Eastern Creek	do	do	201,334
Penrith	F4	Bridge over Nepean River at Regentville	Western Approach	do	7,475
do	F4	Bridge over Nepean River at Regentville	Eastern Approach	do	168
do	F4	Roper Street, Colyton	Construction of overpass	do	1,098
do	F4	Kingswood Road, 12.44M. from Prospect	do	do	5,063
do	F4	Bennett Road	do	do	20,770
do	F4	Ropes Creek, 7.19M from Prospect	Twin bridges	do	1,042

APPENDIX NO. 5 - continued

COMMONWEALTH AID ROADS FUND - continued

Summary of Payments from Department's Funds on Construction and Reconstruction Works - continued

(A) COUNTY OF CUMBERLAND AREA - continued

(i) Freeways - continued

City, Municipal or Shire Area	Road No.	Location of Work	Class of Construction	Constructing Authority	Amount
Penrith	F4	Mamre Road, St. Marys	Construction of overpass	Department	\$ 5,063
do	F4	Kent Road, 10.75M. from Prospect	Construction of overpass	do	5,063
do	F4	South Creek, 9.9M. from Prospect	Twin bridges	do	47 *
do	F4	Bringelly Road, 13.47M. from Prospect	Construction of underpass	do	219
do	F4	Nepean River at Regentville	Prestressed concrete bridge	do	57,191
Sydney	F4	Day Street to Druitt Street	Public utility adjustment. Postmaster-General's Department	do	1,409
do	F4	Sydney Harbour Bridge Toll Plaza to Day Street	Public utility adjustment maritime services board	do	938
do	F4	do	Public utility adjustment. Australian Gas Light Co.	do	1,256
do	F4	do	Public utility adjustment. Railways Department	do	2,048
do	F4	do	Public utility adjustment. Sydney County Council	do	31,109
do	F4	do	Public utility adjustment. Postmaster - General's Department	do	3,466
do	F4	do	Construction of ramp between Pyrmont Bridge and Day Street	do	111,676
do	F4	do	Miscellaneous works by Departments Forces	do	92,048
do	F4	do	Supply and lay asphaltic concrete	do	181,704
do	F4	do	Supervision Costs	do	49,157
do	F4	do	Miscellaneous works by Sydney City Council	do	11,397
do	F4	do	Recoveries of advances to Contractor for purchase of plant	do	8,600 *
do	F4	do	Supply of steel from U. S. A.	do	166
do	F4	do	Construction - first stage	do	885,070
					<u>\$5,763,270</u>
SOUTH-WESTERN FREEWAY					
Campbelltown and Liverpool	F5	Cross Roads to Campbelltown	Construction	Department	3,271,727
Campbelltown	F5	Second crossing M. R. 177. 28M. from Sydney	Underpass sub-structure	do	1,636
do	F5	St. Andrews Road, Minto	Construction of underpass	do	180,035
do	F5	Campbelltown interchange, 30.5M. south of Sydney	Super-structure	do	276
do	F5	Campbelltown interchange, 30.5M. south of Sydney	Sub-structure	do	478,394
do	F5	Raby Road, Minto	Underpass	do	7,519
do	F5	Badgally Road, 32.6M. south of Sydney	Underpass	do	231,905
do	F5	Brooks Road, Ingleburn	Construction of over-bridge	do	1,086
do	F5	Second crossing M. R. 177. 28M. from Sydney	Underpass super-structure	do	400,530
do	F5	Aero Road, Ingleburn	Construction of twin overbridge	do	23
Liverpool	F5	First crossing M. R. 177. 24.7M. south of Sydney	Underpass sub-structure	do	638
Campbelltown and Liverpool	F5	First crossing M. R. 177. 24.7M. south of Sydney	Construction of underpass	do	230,455
Campbelltown and Liverpool	F5	S. H. 2, 24M. from Sydney	Construction of overpass	do	51,180
					<u>\$4,855,404</u>

APPENDIX NO. 5 - continued

COMMONWEALTH AID ROADS FUND - continued

Summary of Payments from Department's Funds on Construction and Reconstruction Works - continued

(A) COUNTY OF CUMBERLAND AREA - continued

(i) Freeways - continued

City, Municipal or Shire Area	Road No.	Location of Work	Class of Construction	Constructing Authority	Amount
SOUTHERN FREEWAY					\$
Sutherland	F6	Intersection of Taren Point Road and Toorak Avenue	Reconstruction	Council	2,000
					<u>\$2,000</u>
Total - Freeways					<u>\$11,491,005</u>

(ii) State Highways

PRINCES HIGHWAY

Rockdale	1	Bay Street to Catherine Street	Widening and Reconstruction	Department	7,757
Sutherland	1	Anzac Avenue, Engadine to Veno Street, Heathcote	Dual Carriageway and Deviation	do	117,571
do	1	Deviation at Waterfall	Reconstruction of local streets	do	123,119
do	1	Waterfall Village	Deviation and approaches to M. R. No. 393	do	359,801
do	1	Oak Road to President Avenue	Dual Carriageway	do	12,420
do	1	Heathcote to Waterfall	do	do	475,997
do	1	Farnell Avenue, Engadine	Deviation including bridge over south coast railway	do	517,654
do	1	South of Loftus	Railway overbridge	do	66,488
do	1	At Engadine	Pedestrian underpass	do	53,991
					<u>\$1,734,798</u>

HUME HIGHWAY

Bankstown	2	Woodbine Street to Cooper Road, Yagoona	Reconstruction	Department	3,038 *
Bankstown	2	Stacey Street	Construction of channelised intersection	do	49,673
do	2	Shellcote Road to Stacey Street	Dual Carriageway	do	59,743
Bankstown and Strathfield	2	Roberts Road to Shellcote Road	do	do	81,413
Bankstown	2	Johnson Road to S. H. No. 13	Kerbside lanes	do	208
Camden	2	Bridge over Nepean River at Camden	Northern approach	do	1,152,227
do	2	Bridge over Nepean River at Camden	Steel and concrete super-structure	do	271,667 Ø
do	2	Macarthur Road, Camden	Underpass	do	37,599
do	2	Richardson Road, Camden	do	do	50,359
do	2	Macarthur Road, Camden	do	do	160,025
do	2	Bridge over Nepean River at Camden	Reinforced concrete sub-structure	do	1,247 +

+ For additional expenditure See Appendix No. 7

Ø For additional expenditure See Country Area

* Credit.

APPENDIX NO. 5 - continued

COMMONWEALTH AID ROADS FUND - continued

Summary of Payments from Department's Funds on Construction and Reconstruction Works - continued

(A) COUNTY OF CUMBERLAND AREA - continued

(ii) State Highways - continued

City, Municipal or Shire Area	Road No.	Location of Work	Class of Construction	Constructing Authority	Amount
					\$
Fairfield	2	Intersection with Lonsdowne Road, Landsvale	Adjustment of medians for traffic lights	Department	3,733
Liverpool	2	Graham Street to Grove Street, Casula	Reconstruction	do	2,140
do	2 and 177	Cross roads to bridges over south western freeway	Reconstruction and widening at cross roads intersection	do	262,975
do	2	Reilly Street	Construction of storage bay in median	do	4,555
do	2	Atkinson Street, Liverpool to cross roads	Reconstruction of failed pavement	do	693 *
do	2	Near Graham Avenue, Casula	Drainage	do	162
do	2	Water supply canal to city boundary, Leppington	Asphaltic concrete resheeting	do	16
do	2	Atkinson Street	Close median strip and provide right turn bay at Rose Street	do	4,716
do	2	Atkinson Street to Ashcroft Avenue	Reconstruction of failed pavement	do	31,725
do	2	Railway overbridge at Warwick Farm	Approaches	do	10,650
Strathfield	2	Cooks River Bridge to Pemberton Street	Kerbside lanes	do	57,087
					\$2,238,189

GREAT WESTERN HIGHWAY

Blacktown	5	Prospect deviation	Improvements to median drainage and resealing	Department	4,934
do	5	21.57M. to 23.3M. west of Sydney	Channelisation	do	47,521
do	5	Eastern Creek Bridge to Chatsworth Road, Mt. Druitt	Reconstruction	do	32,958
Blue Mountains	5	9.7M. to 10.2M. west of Penrith	Steel and concrete bridge	do	11,258
do	5	16.85M. to 17.2M. west of Penrith at Linden	Construction of overtaking lane	do	66,084
do	5	Ross Street, Glenbrook	Passing lanes and improvement of intersection	do	8,965
Leichhardt and Marrickville	5	Intersection with S. R. 2018 and S. R. 2046	Channelisation including grade separation	do	10,114
Penrith	5	Kendall Street to Evans Street	Kerbside lanes	do	59
do	5	Kendall Street to Evans Street	Reconstruction of kerbside lanes	do	73,332
do	5	Charles Hackett Drive to Gipps Street, St. Marys	Four lanes	do	1,469
do	5	Intersection with Mulgoa Road	Improvement	do	30,412
do	5	Bennett Road to Glossop Street, St. Marys	Dual Carriageway	do	266,059
do	5	Intersection with Henry Street East, Penrith	Reconstruction	do	17,641
do	5	Intersection with Henry Street East, Penrith	Widening	do	2,000
Penrith and Blacktown	5	Chatsworth Road to Bennett Road St. Marys	Reconstruction	do	206,258
Penrith	5	Quarry Hill 31.3M. to 32M. west of Sydney	Dual Carriageway	do	5,071 *
do	5	Brougham Street to Divisional boundary	Widening to four lanes	do	11,452
do	5	Byrnes Creek 29.3M. west of Sydney	Widening of culvert	do	1,410
do	5	Ropes Creek 27.4M. west of Sydney	Prestressed concrete bridge	do	9,307 *
					\$777,548

APPENDIX NO. 5 - continued

COMMONWEALTH AID ROADS FUND - continued

Summary of Payments from Department's Funds on Construction and Reconstruction Works - continued

(A) COUNTY OF CUMBERLAND AREA - continued

(ii) State Highways - continued

City, Municipal or Shire Area	Road No.	Location of Work	Class of Construction	Constructing Authority	Amount
PACIFIC HIGHWAY					\$
Ku-ring-gai	10	Intersection with M. R. No. 162	Channelisation	Department	49,592
Willoughby	10	Intersection with Mowbray Road	do	do	5 *
					<u>\$49,587</u>
STATE HIGHWAY NO. 13					
Bankstown and Fairfield	13	Railway overbridge at Villawood	Approaches	Department	41,352
Bankstown and Fairfield	13	Villawood	Railway overbridge	do	84
Bankstown and Fairfield	13	Villawood	do	do	75,000
Baulkham Hills	13	Intersection with Felton and Jenkins Roads	Channelisation	do	1,019 +
Hornsby and Baulkham Hills	13	Carlingford Road to Murray Farm Road	Kerbside lanes	do	5,769
Hornsby	13	Intersection with Carlingford Road	Improvement	do	14,420
do	13	Railway overbridge at Pennant Hills	Construction of approaches	do	3,732
do	13	Pennant Hills	Widening of Railway overbridge	do	1,094
Parramatta	13	Sydney Wide Store, Church Street, Parramatta	Drainage adjustment	do	1,508
					<u>\$143,978</u>
Total - State Highways					<u>\$4,944,100</u>
(iii) Ordinary Main Roads					
Auburn	190	The Boulevard to James Street	Reconstruction	Council	1,198
do	190	Joseph Street, from Kerrs Road to Darcy Avenue	do	do	24,123
do	190	James Street to the Boulevard, Lidcombe	do	do	992
do	190	Stormwater Channel, Haslam's Creek	Reinforced concrete bridge	do	2,143
Bankstown	167	Intersection with M. R. No. 508	Lengthening of right turn bay	Department	2,248
do	167	River Road to Henry Lawson Drive	Widening and reconstruction	Council	3,940
do	508	Bankstown Airport	Access road	Department	7,606
do	508	Saltpan Creek to Villiers Road	Construction of kerbside lane	do	26,634
Baulkham Hills	156	Near Church Street and New Line Road	Reconstruction	Council	1,126
do	160	Cross Street to Kerrs Road	do	do	265
do	160	Cross Street to Kerrs Road	Reconstruction and widening to four lanes	do	93,000
Baulkham Hills and Parramatta	184	Barney Street to Briens Road	Widening of carriageway	Department	6,805
Baulkham Hills	184	Lot 29 Kellyville	Stormwater drainage	do	1,597
do	184	Near Palace Road, Baulkham Hills	Pipe culvert	do	76
do	184	M. R. No. 160 to Coronation Street	Kerbside lanes	do	2,764

* Credit

+ For additional expenditure See Appendix No. 6.

APPENDIX NO. 5 - continued

COMMONWEALTH AID ROADS FUND - continued

Summary of Payments from Department's Funds on Construction and Reconstruction Works - continued

(A) COUNTY OF CUMBERLAND AREA - continued

(iii) Ordinary Main Roads - continued

City, Municipal or Shire Area	Road No.	Location of Work	Class of Construction	Constructing Authority	Amount \$
Baulkham Hills and Blacktown	184	Bridge over first Ponds Creek	Approaches	Department	352,746
Baulkham Hills and Blacktown	184	First Ponds Creek at Vineyard	Prestressed concrete bridge	do	152
Blacktown	515	1.93M. to 3.76M. from S.H. No.5	Reconstruction and widening	do	29,686
do	515	Western Freeway to S.H. No.5	Reconstruction including intersection with S.H. No.5	do	207,326
do	537	Mavis Street to Church Street	Reconstruction	Council	2,158
do	537	S.H. No.5 to Mavis Street, Rooty Hill	Reconstruction and bitumen surfacing	do	7,590
Botany	170	Millpond Creek	Reinforced concrete bridge	Department	60,518
do	170	Bridge over Millpond Creek	Approaches	do	82,726
do	194	Intersection with Millpond Road	Improvement including extension of right turn lane	do	14,498
do	344	Moore Street to Baker Street	Kerb and gutter	Council	15
do	344	Bay Street to Corish Circle	Dual carriageway	Department	47,993
do	344	Botany Road to Frogmore Street	Reconstruction	do	101 *
Botany and Randwick	593	Dowling Street to Dransfield Ave	do	do	6,515 *
Camden	154	0M. to 2M. from S.H. No.2	Bitumen surfacing	Council	211
do	178	F5 to deviation of S.H. No.2	Construction	Department	1,056
Campbelltown	177	Bunbury Curran Creek 4.6M. north of Campbelltown	Prestressed concrete bridge	do	69,158
do	177	9.37M. to 9.85M. south of S.H. No.2	Reconstruction and bitumen surfacing	do	2,922 *
do	177	Fisher's Ghost Creek at Junction with M.R. No.178	Reinforced concrete bridge	do	14,687
do	177	Bunbury Curran Creek 4.6M. north of Campbelltown	Prestressed concrete bridge	do	38
do	178	Intersection with M.R. No.179	Improvement	do	1,796
Concord	200	Intersection with Killoola Street	Channelisation	Council	2,024
do	200	Intersection with Averil Street	do	do	676
do	200	Intersection with Killoola Street	Channelisation and widening	do	15,350
Drummoyne	165	Intersection with Westbourne Street, Drummoyne	do	Department	105,273
Fairfield	515	Intersection with M.R. No.534	Channelisation	do	33,761
do	515	Intersection with Cowpasture Road	Reconstruction	do	28,593
Fairfield and Blacktown	515	Wallgrove Military Camp to the Horsley Drive	do	do	24,292
Fairfield	534	From golf course to Boyd Street	Drainage construction	Council	1,590
do	534	Railway overbridge at Cabramatta	Approaches	do	2,313
do	534	Near Alick Street	Drainage, Kerb and Gutter	do	1,310
do	534	Hume Highway to Cabramatta Shopping Centre	Widening and strengthening	do	3,640
do	534	Railway overbridge at Cabramatta	Approaches	do	6,790
do	534	Cabramatta	Railway overbridge	Department	6,519
do	609	Mitchell Street to Sanderson Street	Reconstruction of scaled shoulder and kerb and gutter	Council	2,230
do	609	Intersection with S.R. No.2071	Improvement and installation of traffic signals	do	1,616
do	609	Between telephone exchange and Bennett Avenue	Kerbside lane	do	956
do	609	Liverpool Road to Douglas Street	Kerb and guttering	do	425
Hornsby and Parramatta	139	Railway overbridge at Epping	Widening of approaches	Department	2,539
Hornsby and Baulkham Hills	156	S.H. No.13 to New Line Road	Kerbside lanes and drainage	Council	9,123
Hornsby and Baulkham Hills	156	New Line Road to Victoria Road	Widening to four lanes	do	12,000
Hornsby	373	Crandon Road to Blaxland Road	Reconstruction to four lanes	Department	54,997
do	373	Terry's Creek to Crandon Road, Epping	Reconstruction	do	108,047
Hurstville	168	Mavis Avenue to Boundary Road, Peakhurst	Retaining wall	Council	45
Kogarah	315	Intersection with Connell's Point Road	Channelisation	do	2,578

APPENDIX NO. 5 - continued

COMMONWEALTH AID ROADS FUND - continued

Summary of Payments from Department's Funds on Construction and Reconstruction Works - continued

(A) COUNTY OF CUMBERLAND AREA - continued

(iii) Ordinary Main Roads - continued

City, Municipal or Shire Area	Road No.	Location of Work	Class of Construction	Constructing Authority	Amount
					\$
Ku-ring-gai	162	Traffic lanes, first rocks	Construction	Council	44 *
do	162	Putarri Avenue to Killeaton Street	Reconstruction and widening	Department	400
do	162	Yanko Road to Kendall Street, West Pymble	do	do	226,336
do	162	Cultowa Road to Ridge Street	do	do	301,519
Lane Cove	166	Burns Bay Road to Epping Road	Reconstruction	do	651 *
do	166	Epping Road to Penrose Street	Reconstruction and widening	do	101,144
do	166	Burns Bay Road at Linley Point	Pedestrian overbridge	do	29,827
do	373	Moore Street to Stringybark Creek	Widening	do	27
Liverpool	154	Between Luddenham and Bringelly	Reconstruction	Council	44,395
do	167	0.0M. to 1.8M. from Milperra Bridge	Dual carriageway	Department	230
Manly	159	Parkview Road to Belgrave Street	widening	Council	59,650
do	159	Intersection of Collingwood Street and Pittwater Road	Closure	do	550
do	159	Between Crescent Street and Belgrave Street	Reconstruction	do	1,118 *
do	159	Crescent Street to Belgrave Street	Reconstruction and widening	do	5,215
do	164 and	Intersection of Manly Road and Sydney Road	Reconstruction	Department	39,645
do	397				
do	397	Intersection with Dalwood Avenue	Improvement	Council	5,720
Mosman and North Sydney	164	Glover Street to Paling Street	Widening	Department	1,099
Mosman	164	Clifford Street to Bickell Road	Reconstruction and widening	do	68,752
do	164	Ida Avenue to Pearl Bay Avenue	Restoration of Collapsed Roadway	do	125,739 *
do	164	Intersection with Parriwi Road	Installation of traffic signals	do	1,000
do	164	Bickell Road to Ida Avenue	Reconstruction and widening	do	249,193
do	164	Glover Street to Clifford Street	Dual carriageway	do	305,848
North Sydney	164	Murdock and Winnie Streets and Cranbrook Avenue	Installation of traffic signals	Council	44
do	599	Falcon Street to Suspension Bridge Cammeray	Reconstruction	do	3,781
Parramatta and Ryde	158	Victoria Road to Pennant Hills Road	Reconstruction, bitumen surfacing and surface drainage	Department	12,874
Parramatta and Ryde	158	Stewart Street to Morris Street	Reconstruction	do	4,169
Parramatta	165	Pemberton Street to Macarthur Street	Three lane carriageway	do	39,214
Parramatta and Baulkham Hills	184	By Street to Briens Road	Dual carriageway	do	42,812
Parramatta and Baulkham Hills	184	Bridge over Hunt's Creek, Northmead	Widening	do	102,902
Parramatta	309	Intersection with Aston Street at railway level cross-	Improvement	do	58
do		ing			
do	574	Kirby Street	Reconstruction and pavement widening	do	1,341
Penrith	154	Kings Hill Road to Garswood Street, Kingswood	Reconstruction	do	6,839
do	154	Frogmore Road to Maxwell Street	Reconstruction	do	99,563
do	154	Kings Hill Road to Garswood Road, Kingswood	do	do	8,919
do	154	Intersection with S. R. 2063 and Cranebrook Road	Channelisation	do	10,182
do	155	South from S. H. No. 5	Widening	Council	20,000
Randwick	170	Bumbarah Point Road to Bunnerong Road	Dual carriageway	Department	27,991
Ryde	162	Epping Road to Fontenoy Road	do	do	6,476
Ryde and Ku-ring-gai	162	Andrew Avenue to Fontenoy Road	Reconstruction, widening and deviation	do	24,336
Ryde	165	Blaxland Road to Adelaide Street	Reconstruction	do	48,432

* Credit

APPENDIX NO. 5 - continued

COMMONWEALTH AID ROADS FUND - continued

Summary of Payments from Department's Funds on Construction and Reconstruction Works - continued

(A) COUNTY OF CUMBERLAND AREA - continued

(iii) Ordinary Main Roads - continued

City, Municipal or Shire Area	Road No.	Location of Work	Class of Construction	Constructing Authority	Amount
					\$
Ryde	373	Pittwater Road to Lane Cove River	Dual carriageway	Department	574
do	373	Paul Street to Vimiera Road, North Ryde	Reconstruction	do	45,422
do	373	M. R. 162 to Shrimptons Creek	Temporary widening	do	93
Ryde and Hornsby	373	Vimiera Road to York Street	Reconstruction and widening	do	26,556
Ryde and Hornsby	373	Terry's Creek, 5.78M. from S. H. No. 10	Reinforced concrete bridge	do	1,486 *
South Sydney	170	Regent Street at Saint Pauls Place, Redfern	Reconstruction and channelisation	Council	6,255
Strathfield	315	Redmyre Road to Raw Square	Deviation	do	17,343
do	315	Redmyre Road to Raw Square	do	do	33,350
Sutherland	227	At Gynea Technical College	Reconstruction	do	24,000
do	227	Intersection with President Avenue	do	do	873
do	227	Jackaranda Road to Cronulla Street	Dual carriageway	do	71,642
do	227	Jacaranda Road to Green Street	Reconstruction and widening	do	52,087
do	227	Intersection with S. R. No. 2075	Installation of traffic signals	do	2,800
do	393	Over S. H. No. 1 at Waterfall	Prestressed concrete bridge	Department	54,394
Sydney	173	Craigend Place	Overpass	do	1,497
do	173	Bridge over Kellett Street at Craigend Place	Excavation	do	4,546 *
do	173	Kings Cross Tunnel Project	Miscellaneous works by Department	do	14,710
do	173	Kings Cross Tunnel Project	Public utility adjustments - Postmaster-Generals Department	do	115,267
do	173	Kings Cross Tunnel Project	Supervision Costs	do	6,599
do	173	Victoria Street Tunnel	Overbridge	do	219,967
do	173	Kings Cross Tunnel Project	Public utility adjustment M. W. S. and D. B.	do	209,061
do	173	Kings Cross Tunnel Project	Public utility adjustment. Australian Gas Light Company	do	51,211
do	173	Under Victoria Street	Excavation of tunnel	do	43,050
do	173	Kings Cross Tunnel Project	Approaches and ancilliary works	do	366,238
do	173	Kings Cross Tunnel Project	Public utility adjustments. Sydney County Council	do	176,350
do	173	Kings Cross Tunnel Project	Public utility adjustments. Sydney City Council	do	15,342
do	173	Kings Cross Road to Bayswater Road	Connecting road	do	7,681
Sydney and South Sydney	593	Flinders Street to Todman Avenue, Moore Park	Widening	do	1,628 *
Warringham	164	Near Kentwell Road	Relocation of Bus Bay	Council	659
do	164	Bassett Street to Bardo Road, Mona Vale	Reconstruction and widening	Department	476,198
do	164	Mona Vale Road to Darley Street	Dual carriageway including channelisation of intersections	do	11,754
do	164	Namona Street to Elimatta Road, Mona Vale	Reconstruction	do	247
do	164	Neptune Road, Newport to Plateau Road, Avalon	Dual carriageway	do	625
do	174	Mona Vale to Church Point	Reconstruction	Council	67,747
do	174	Mona Vale to Church Point	do	do	10,216
do	328	Dual Carriageway	Dual Carriageway	Department	68,058
do	328	Daines Parade to Pittwater Road	Dual carriageway including intersection with M. R. No. 164	do	156,346
do	530	Surfers Parade to Wyuna Avenue	Reconstruction	Council	410 *
do	530	Lawrence Street to Surfers Parade	Reconstruction and sealing of side strips	do	2,707
do	530	Lawrence Street to Brighton Street, Harbord	Reconstruction	do	9,000
do	530	Harbord Lagoon at Curl Curl	Reinforced concrete bridge	do	29,240
do	530	Bridge over Harbord Lagoon at Curl Curl	Approaches	do	250
do	530	Pittwater Road to Avon Road	Reconstruction	do	7,345
Willoughby	599	Sailors Bay Road to Babbage Road	Reconstruction and widening	Department	287,528

APPENDIX NO. 5 - continued

COMMONWEALTH AID ROADS FUND - continued

Summary of Payments from Department's Funds on Construction and Reconstruction Works - continued

(A) COUNTY OF CUMBERLAND AREA - continued

(iii) Ordinary Main Roads - continued

City, Municipal or Shire Area	Road No.	Location of Work	Class of Construction	Constructing Authority	Amount
					\$
Willoughby	599	Warners Avenue to Edinburgh Road	Widening of kerbside lane	Department	10,062 *
Windsor	184	Intersection with Macquarie Street and Bridge Street	Reconstruction and widening	do	246,760
Wollongong	185	Clifton to Coalcliff	Improvement	do	11
Woollahra	173	Cambridge Avenue to Russell Street	Kerb and gutter	Council	279
do	173	North from Sassafra Lane on western side	Reconstruction of road shoulders	do	7,865
Total - Ordinary Main Roads					\$6,184,016

(iv) Secondary Roads

Ashfield	2028	Smith Street to S. H. No. 2	Reconstruction	Council	1,526
do	2028	Carlton Crescent, Ashfield	do	do	243
do	2056	S. H. 5 to Dobroyd Parade	Reconstruction and widening	Department	840
Bankstown	2061	Canterbury Road to Stuart Street	Drainage improvement	Council	7,753
do	2068	Tower Street to Ferndale Road	Reconstruction and widening	do	2,200
do	2068	Near Sandakan Road	Drainage improvement	do	1,178
do	2068	Turvey Street	Median strip	do	501
Baulkham Hills	2084	0.64M. west of Katherin Street	Reconstruction	do	12,736
Blacktown	2084	Seven Hills	Railway overbridge and approaches	do	10,000
do	2084	Abbott Road to Vardys Road	Reconstruction	do	7,865
do	2084	Vardys Road to Old Windsor Road	Reconstruction including intersection with Vardys Road	do	8,355
Burwood	2027	The Strand to Shaftesbury Road	Reconstruction	do	106
do	2027	Intersection with Conder Street	Improvement	do	1,775
do	2027	The Strand to Shaftesbury Road	Reconstruction	do	10,000
Canterbury	2014	Bexley Road to King Georges Road	do	do	4,236
do	2021	Moorefield and William Street, Bexley Road to King Georges Road	Reconstruction	do	1,075
Canterbury and Bankstown	2060	King George's Road to Canterbury Road	Reconstruction	do	4,577
Fairfield	2071	M. R. No. 534 to St. Johns Road	Deviation	do	6,300
do	2088	O'Connell Street, Smithfield	Sealed Bus Parking Bay	do	225
Hornsby	2035	Intersection with Old Northern Road	Improvement	do	25,000
Hunters Hill	2033	Luke Street to Mary Street	Strengthening kerbside lanes	do	6,000 *
do	2033	Pittwater Road to Farnell Street	Strengthening Northern kerbside lane	do	17,400
Ku-ring-gai	2043	Springdale Road to Koola Avenue	Reconstruction and widening	do	6,000
do	2043	Horace Street from Amesbury Avenue to Torokina Ave.	Kerb and gutter	do	114
do	2043	Bancroft Avenue to Tryon Road	Reconstruction	do	3,508
do	2043	St. Ives High School to Torokina Avenue	Kerb and gutter	do	46
Lane Cove	2070	William Edward Street to Longueville Road	Reconstruction and widening	do	35
do	2070	Gore's Creek to Northwood Road	Widening and realignment	do	2,784
do	2070	Bridge Street to Wangalla Road	Reconstruction	do	647 *
do	2070	River Road near Barina Road	Correction of Crossfall	do	1,087
Liverpool	2071	Intersection with Elizabeth Drive	Reconstruction	do	144
North Sydney and Lane Cove	2070	Canberra Avenue to Boronia Street	do	do	1,098
North Sydney and Lane Cove	2070	Canberra Avenue to Boronia Street	Reconstruction and widening	do	16,500
Randwick	2074	Nyan Street to Jennifer Street, Little Bay	Reconstruction	do	4,574

* Credit

APPENDIX NO. 5 - continued

COMMONWEALTH AID ROADS FUND - continued

Summary of Payments from Department's Funds on Construction and Reconstruction Works - continued

(A) COUNTY OF CUMBERLAND AREA - continued

(iv) Secondary Roads - continued

City, Municipal or Shire Area	Road No.	Location of Work	Class of Construction	Constructing Authority	Amount
					\$
Randwick	2074	Intersection with Little Bay Road	Channelisation	Council	60,717
Rockdale	2014	Forest Road to Frederick Street	Reconstruction	do	4,115
do	2014	Forest Road to Frederick Street	do	do	24,771
Strathfield	2087	Liverpool Road to Cooks River	Drainage scheme	do	11,000
Sutherland	2075	President Avenue	Construction and sealing side strips	do	5,750
Total - Secondary Roads					\$259,487
(v) Roads Other Than Main Roads					
Bankstown and Sutherland		Georges River at Alford's Point	Prestressed concrete bridge	Department	961,953
Bankstown		Henry Lawson Drive, Padstow	Overbridge	do	436,998
do		Railway overbridge Stacey Street, Bankstown	Approaches	do	25,923
do		Stacey Street from Old Kent Road to S. H. No. 2	Reconstruction	do	1,702
do		Overbridge at Henry Lawson Drive	Approaches	do	624,834
Bankstown and Sutherland		Bridge over Georges River at Alford's Point	Laying of asphaltic concrete surface	do	1,301
Parramatta		Extension of M. R. No. 309 from M. R. No. 574 to S. H. No. 13	Construction	do	428,075
Penrith		Russell Street from Western Expressway to S. H. No. 5	Reconstruction including intersection with S. H. No. 5	do	46,711
Rockdale		Approaches to proposed bridge over Muddy Creek	Construction	do	72,485
do		Cooks River at Marsh Street	Prestressed concrete bridge	do	10,153
do		Western Suburbs outfall sewer near Marsh Street	Prestressed concrete bridge	do	9,555
do		West Botany Street to bridge over Cooks River	Construction	do	601 *
Sutherland *		Bridge over Georges River at Alford's Point	Southern Approach	do	712,312
Total - Roads other than Main Roads					\$3,331,401

* Credit

APPENDIX NO. 5 - continued

COMMONWEALTH AID ROADS FUND - continued

Summary of Payments from Department's Funds on Construction and Reconstruction Works - continued

(B) COUNTRY URBAN AREA

(i) Freeways -

City, Municipal or Shire Area	Road No.	Location of Work	Class of Construction	Constructing Authority	Amount
					\$
SOUTHERN FREEWAY					
Wollongong	F6	Byarong Avenue 2.5M. south of Wollongong	Temporary pedestrian overbridge	Department	262
do	F6	Gladstone Avenue to Five Islands Road	Dual carriageway	do	684,295
do	F6	Mount Keira Road Bridge to Gladstone Avenue	do	do	20,068
do	F6	Five Islands Road to Northcliffe Drive	Construction	do	575,278
do	F6	Berkeley Road, Unanderra	Prestressed concrete bridge	do	39,422
do	F6	Australian Iron and Steel siding and access road	do	do	878
do	F6	Flagstaff Road, Unanderra	do	do	47,702
do	F6	Byarong Creek, Unanderra	Reinforced concrete box culvert	do	181,199
do	F6	Byarong Creek (Ramp F) Unanderra	do	do	62,615
do	F6	Five Islands Road	Prestressed concrete bridge	do	426
do	F6	Masters Road	Overbridge	do	3,897
do	F6	American Creek, Figtree	Reinforced concrete box culvert	do	270,643
do	F6	Railway line south of American Creek	Prestressed concrete bridge	do	160,682
do	F6	The Avenue	do	do	29,676
do	F6	Byarong and American Creeks	Channel excavation	do	10,763
do	F6	Five Islands Road Interchange	Reinforced concrete box culverts	do	81,630
					\$2,169,436
(ii) State Highways					
PRINCES HIGHWAY					
Total - Freeways					\$2,169,436
Wollongong	1	Station Street to Fairy Creek, North Wollongong	Duplication of carriageway	Department	82
do	1	Mullet Creek 57M. south of Sydney	Deviation	do	595,608
do	1	1.29M. north of Wollongong	Improvement	do	10,832
Wollongong and Shellharbour	1	Bridge over Macquarie Rivulet	Approaches including intersection with Illawarra Highway	do	9,214
Wollongong	1	Mullett Creek, 7M. south of Wollongong	Prestressed concrete bridge	do	112,242
do	1	Northern approaches to Mullett Creek	do	do	5,460
do	1	Ghost's Creek	Prestressed concrete super-structure	do	117
do	1	Robson Road to Wollongong Freeway	Sidestrips	Council	21,000
do	1	Kanahooka Road to Urana Road	do	do	2,500
do	1	46.86M. to 46.41M. south of Sydney	Kerbside lanes	do	9,000
do	1	Hobart Street to Sturdee Avenue	do	do	20,134
do	1	Fairy Creek 50.5M. south of Sydney	Prestressed concrete bridge	Department	94,356
					\$880,545

APPENDIX NO. 5 - continued

COMMONWEALTH AID ROADS FUND - continued

Summary of Payments from Department's Funds on Construction and Reconstruction Works - continued

(B) COUNTRY URBAN AREA

(ii) State Highways - continued

City, Municipal or Shire Area	Road No.	Location of Work	Class of Construction	Constructing Authority	Amount
HUME HIGHWAY					
Camden	2	2M. to 2.8M. south of Camden	Widening	Department	62,098
do	2	Bridge over Nepean River at Camden	Southern approach	do	398,745
do	2	Bridge over Nepean River at Camden	Steel and concrete super-structure	do	273,104 00
					<u>\$733,947</u>
PACIFIC HIGHWAY					
Lake Macquarie	10	7.8M. to 8.5M. south of Newcastle	Dual carriageway	Department	2,043
do	10	Haddon Crescent to Robert Street, South Belmont	do	do	121,907
do	10	5.92M. to 6.93M. south of Newcastle	Reconstruction and bitumen surfacing	do	45,666
do	10	Robert Street to Ada Street, South Belmont	Dual carriageway including approaches to Cold Tea Creek	do	6,417
do	10	Eastern Side, Oakdale Road to the Crescent Gateshead	Reconstruction	do	17,078
Newcastle	10	Newcastle City boundary to Brunner Road	Dual Carriageway	Council	38,411
do	10	Mund Street to Wallsend Road	Reconstruction	do	948
do	10	National Park Streets to Stewart Avenue	Construction	do	85,000
Tweed	10	17.4M to 18.6M. north of Murwillumbah	Reconstruction and widening	Department	26
do	10	River Terrace to Pacific Lane	Reconstruction	Council	4,960
do	10	Boyd's Bay Bridge to Queensland Border	Reconstruction and bitumen surfacing	do	20,000
					<u>\$342,456</u>
STATE HIGHWAY NO. 23					
Lake Macquarie	23	Windale No. 2 Pumping Station	Replacing of Main	Department	11,300
Newcastle	23	Near University of Newcastle	Motorway Fencing	do	5,551
					<u>\$16,851</u>
ILLAWARRA HIGHWAY					
Shellharbour	25	1.7M to 2.1M from S. H. No. 1	Heavy patching	Department	8,076
					<u>\$8,076</u>
Total - State Highways.					<u>\$1,981,875</u>

COMMONWEALTH AID ROADS FUND - continued

Summary of Payments from Department's Funds on Construction and Reconstruction Works - continued

(B) COUNTRY URBAN AREA - continued

(iii) Trunk and Ordinary Main Roads

City, Municipal or Shire Area	Road No.	Location of Work	Class of Construction	Constructing Authority	Amount
Camden	259	Nepean River flood plain, 0.6M from S. H. No. 2	Pre-stressed concrete plank deck bridge	Department	26,062
Lake Macquarie	217	Cockle Creek at Speers Point	Reinforced concrete bridge	do	274,191
do	217	Approaches to Fennell Bay Bridge	Restoration following settlement	Council	10,000
do	217	New bridges over Cockle Creek	Asphaltic concrete surfacing	Department	2,623
do	217	South channel of Cockle Creek	Temporary Bridge	do	33
do	217	Cockle Creek at Speers Point	do	do	1,347
do	223	Railway overbridge at Cardiff Railway Station	Improvement	Council	4,304
do	223	Neilson Street to Callan Street	Reconstruction and Bitumen Surfacing	do	347
do	325	Whitebridge	Railway overbridge	do	854
do	527	Junction with M. R. 223	Improvement	do	3,913
Newcastle	82	Stormwater channel at Richardson Park	Pre-stressed concrete bridge	do	31,000
do	82	Donald Street, Hamilton	Railway overbridge	Department	160,000
do	82	Donald Street, overbridge	Approaches	Council	43,852
do	82	Donald Street, Hamilton	Railway overbridge	do	194,500
do	82	Donald Street overbridge	Extension of approaches	do	14,541
do	82	Broadmeadow Road to Chatham Road	Construction	do	107,177
do	82	Turton Road to Edith Street	Completion of Second Carriageway	do	4,783
do	82	Turton Road to Broadmeadow Road	Reconstruction	do	8,969 *
do	108	Bridge over North Arm of Hunter River	Eastern Approaches	Department	98,965
do	316	Industrial route from Werribi Street to S. H. No. 10	Dual carriageway	Council	187,621
do	326	Bridges Road, from St. James road to Carnley Avenue	Reconstruction	do	3,125
do	603	Slip area near Carisbrook Avenue	Investigation and remedial measures	do	8,969
do	605	S. H. No. 23 to Lorna Street, Waratah	Second carriageway	do	8,446
Shellharbour	522	Windang Bridge to Reddall Parade	Southern approach	do	33,653
do	522	Reddall Parade to Peterborough Avenue	Dual carriageway	do	38,427
do	522	Lake Entrance Road to Bass Street	do	do	10,500
Wollongong	295	Flinders Street, Port Kembla	Railway overbridge	do	68,700
do	295	Glastonbury Road to Princes Highway	Deviation	do	10,000
Wollongong and Shellharbour	522	Lake Illawarra at Windang	Duplication of Bridge	Department	87,219
Wollongong	522	Illawarra Street to King Street	Widening	Council	35,565
do	522	Bridge over Lake Illawarra at Windang	Northern approaches	do	25,289
do	522	Bridge over Lake Illawarra at Windang	Reconstruction and approaches	do	6,000
do	522	Primbee deviation to Cedar Avenue	Reconstruction and widening	do	35,000
do	522	Intersection with Northcliffe Drive	Improvement	do	5,884
do	522	Boronia Avenue to Cedar Avenue	Reconstruction and widening	do	5,000
Total - Trunk and Ordinary Main Roads					\$1,538,921

* Credit

APPENDIX NO. 5 - continued

COMMONWEALTH AID ROADS FUND - continued

Summary of Payments from Department's Funds on Construction and Reconstruction Works - continued

(B) COUNTRY URBAN AREA - continued

(iv) Roads other than Main Roads

City, Municipal or Shire Area	Road No.	Location of Work	Class of Construction	Constructing Authority	Amount
Wollongong		Byarong Creek at The Avenue	Reinforced concrete Box Culvert	Council	66,000
Total - Roads other than Main Roads					<u>\$66,000</u>

(C) COUNTRY RURAL AREA

(i) State Highways

PRINCES HIGHWAY

Bega	1	Bega By-Pass	Construction	Department	105,209
do	1	Bega By-Pass 7.3M to 9.4M south of Allsops Creek	Reconstruction and bitumen surfacing	do	209,015
Imlay	1	4.91M to 8.21M south of Eden	Construction	do	139,339
do	1	8.2M to 11.2M South of Bega	Reconstruction and bitumen surfacing	do	171,786
Shoalhaven	1	Parma Creek	Deviation	do	314,543
					<u>\$939,892</u>

HUME HIGHWAY

Albury	2	37.8M to 38.6M south of Holbrook	Reconstruction and bitumen surfacing	Department	84,736
Goodradigbee	2	Bowning Deviation 7.5M to 9M west of Yass	Dual carriageway	do	134,330
do	2	3.5M to 7.5M west of Yass	Divided carriageway	do	359,271
Holbrook	2	0.6M to 5.7M south of Holbrook	Reconstruction and bitumen surfacing	do	355,200
Mulwaree	2	41.7M to 46.4M south of Mittagong	do	do	958,311
Wingecarribee	2	Comfort Hill, 91.3M to 93.2M south of Sydney	Reconstruction	do	199,930
Wollondilly	2	55.22M to 60M south of Sydney	Widening and formation	do	173,995
do	2	46M to 47M south of Sydney	Reconstruction	do	237,544
					<u>\$2,503,317</u>

SNOWY MOUNTAINS HIGHWAY

Snowy River	4	8.38M to 13M west of Kiandra	Reconstruction and bitumen surfacing	Department	519,414
Tumut	4	32.9M to 39.4M east of Tumut	do	do	188,715
do	4	39.4M to 48.85M east of Tumut	do	do	681,221
					<u>\$1,319,350</u>

APPENDIX NO. 5 - continued

COMMONWEALTH AID ROADS FUND - continued

Summary of Payments from Department's Funds on Construction and Reconstruction Works - continued

(C) COUNTRY RURAL AREA - continued

(i) State Highways - continued

City, Municipal or Shire Area	Road No.	Location of Work	Class of Construction	Constructing Authority	Amount
GREAT WESTERN HIGHWAY					
Blaxland	5	Intersection with T. R. No. 55	Reconstruction	Department	168,695
Turon	5	21.7M to 24.4M west of Lithgow	Reconstruction and bitumen surfacing	do	483,443
					<u>\$652,138</u>
MID-WESTERN HIGHWAY					
Lyndhurst	6	3.9M to 6M west of Blayney	Reconstruction and bitumen surfacing	Department	2,169 *
do	6	6M to 7.8M west of Blayney	do	do	148,924
do	6	8M to 10M west of Blayney	Reconstruction and pavement widening	do	263,688
					<u>\$410,443</u>
MITCHELL HIGHWAY					
Bourke	7	50M to 59M north of Bourke	Reconstruction and bitumen surfacing	Department	177,699
do	7	4M to 15M north of Bourke	Reconstruction and widening	do	237,372
Canobolas	7	23.1M to 26.7M west of Bathurst	Reconstruction and bitumen surfacing	do	82,818
Molong	7	6.8M to 8.4M north of Molong	do	do	162,411
do	7	3.9M to 6.8M north of Molong	Reconstruction and bitumen surfacing	do	206,518
Wellington	7	13.4M to 18.68M west of Wellington	Reconstruction and widening	do	286,184
					<u>\$1,153,002</u>
BARRIER HIGHWAY					
Central Darling	8	34M to 51M east of Wilcannia	Reconstruction and bitumen surfacing	Department	378,728
					<u>\$378,728</u>
NEW ENGLAND HIGHWAY					
Maitland	9	0.47M to 2.38M west of Maitland	Reconstruction and bitumen surfacing	Department	188,078
do	9	13.93M to 15.5M west of Newcastle	Dual carriageways and approaches to Four Mile Creek Bridge	do	471,774
Patrick Plains	9	5.5M to 6.2M west of Singleton	Climbing lane	do	94,323
Severn	9	Ben Lomond 15.5M to 17.3M south of Glen Innes	do	do	2,257 *

* Credit

APPENDIX NO. 5 - continued

COMMONWEALTH AID ROADS FUND - continued

Summary of Payments from Department's Funds on Construction and Reconstruction Works - continued

(C) COUNTRY RURAL AREA - continued

(i) State Highways - continued

City, Municipal or Shire Area	Road No.	Location of Work	Class of Construction	Constructing Authority	Amount
Severn	9	8. 3M to 11M north of Glen Innes	Reconstruction and bitumen surfacing	Department	328, 519
Tamarang	9	30. 3M to 32. 1M north of Murrurundi	do	do	291, 852
Uralla	9	53. 3M to 54. 75M north of Tamworth	do	do	259, 327
					<u>\$1, 631, 616</u>
PACIFIC HIGHWAY					
Coffs Harbour	10	4. 8M to 8M north of Coffs Harbour	Reconstruction	Department	213, 312
do	10	12M to 15. 8M north of Coffs Harbour	Reconstruction and bitumen surfacing	do	134, 330
Great Lakes	10	2. 83M to 4. 13M north of Bulahdelah	Climbing lane	do	94, 187
do	10	19M to 20. 2M north of Raymond Terrace	Widening of formation and extension of culverts	do	81, 929
Hastings	10	Approaches to bridge over Wilsin's River at Telegraph Point	Southern deviation	do	256, 100
do	10	Barrie's Creek to Smiths Creek	Deviation	do	378, 557
Manning	10	2. 7M to 10. 1M south of Taree	Climbing lanes	do	89, 404
Tintenbar	10	7. 6M to 10M north of Ballina	Reconstruction and bitumen surfacing	do	256, 831
Tweed	10	5. 5M to 7M north of Murwillumbah	Deviation	do	263, 275
Wyong	10	24M to 24. 5M south of Newcastle	Reconstruction	do	190, 413
					<u>\$1, 958, 338</u>
OXLEY HIGHWAY					
Coonabarabran	11	31. 4M to 33. 3M east of Coonabarabran	Reconstruction	Department	146, 316
do	11	33. 4M to 34M east of Coonabarabran	Reconstruction and bitumen surfacing	do	93, 046
Hastings	11	38. 5M to 43. 38M west of Port Macquarie	do	do	4, 238 *
do	11	43. 38M to 46. 82M west of Port Macquarie	do	do	91, 689
Walcha	11	24M to 30M east of Walcha	do	do	539, 126
do	11	69M to 76M west of Port Macquarie	do	do	178, 525
do	11	15M to 24M east of Walcha	do	do	3, 384 +
do	11	15M to 17. 4M east of Walcha	do	do	137, 017
Warren	11	4M to 12M east of Nevertire	do	do	274, 963
					<u>\$1, 459, 828</u>
STURT HIGHWAY					
Balranald	14	14. 5M to 19. 5M east of Euston	Widening	Department	113, 547

* Credit

+ For Additional Expenditure See Appendix No. 7

COMMONWEALTH AID ROADS FUND - continued

Summary of Payments from Department's Funds on Construction and Reconstruction Works - continued

(C) COUNTRY RURAL AREA - continued

(i) State Highways - continued

City, Municipal or Shire Area	Road No.	Location of Work	Class of Construction	Constructing Authority	Amount
Balranald	14	0.3M to 3.9M south-east of Balranald	Widening	Department	122,203
Kyeamba	14	44M to 44.6M west of Gundagai	Reconstruction of Fife's Corner	do	85,262
Mitchell	14	23M to 25.4M west of Wagga Wagga near Bulgary	Reconstruction and bitumen surfacing	do	94,605
Wakool	14	51.09M to 71.09M west of Hay	do	do	164,989
					<u>\$580,606</u>
BRUXNER HIGHWAY					
Kyogle	16	Bridge over Deep Creek at Piora	Approaches	Department	138,103
Tenterfield Shire	16	14M to 19.8M east of Bonshaw	Reconstruction and bitumen surfacing	do	106,504
					<u>\$244,607</u>
NEWELL HIGHWAY					
Boolooroo	17	54M to 61M north of Moree	Reconstruction and bitumen surfacing	Department	481,641
Dubbo and Talbragar	17	40M to 42M north of Peak Hill	Reconstruction	do	216,088
					<u>\$697,729</u>
MONARO HIGHWAY					
Monaro	19	31M to 35M South of Canberra	Reconstruction and bitumen surfacing	Department	274,042
					<u>\$274,042</u>
COBB HIGHWAY					
Hay	21	Intersection with S. H. No. 14 at South Hay	Channelisation	Department	159,716
Murray	21	10M to 14M north of Moama	Reconstruction and widening	do	195,116
do	21	14M to 16.6M north of Moama	Reconstruction and bitumen surfacing	do	177,781
					<u>\$472,613</u>

APPENDIX NO. 5 - continued

COMMONWEALTH AID ROADS FUND - continued

Summary of Payments from Department's Funds on Construction and Reconstruction Works - continued

(C) COUNTRY RURAL AREA - continued

(i) State Highways - continued

City, Municipal or Shire Area	Road No.	Location of Work	Class of Construction	Constructing Authority	Amount
ILLAWARRA HIGHWAY					
Shellharbour	25	7.5M to 12.5M west of Princes Highway	Improvement and provision of climbing lane	Department	103,751
					\$103,751
Total - State Highways					\$14,780,000

(ii) Trunk and Ordinary Main Roads

Abercrombie	252	22.4M to 25M south of Bathurst	Reconstruction	Council	1,267 *
Ashford	137	9.1M to 10.7M north of Ashford	Reconstruction and bitumen surfacing	do	38,076
Barraba	132	5.9M to 9.2M east of Barraba	do	do	95,400
Bogan	204	21M to 25M north of Nyngan	do	do	2,522 *
Boorowa	380	1.6M to 3.5M west of T. R. No. 56	do	do	40,000
Boree	377	40.5M to 46.5M towards Eugowra	do	do	80,547
Bowral	260	4.1M to 4.4M south of Bowral	Realignment	do	36,500
Brewarrina	70	North of Brewarrina towards Goodooga	Reconstruction and bitumen surfacing	do	52,600
Carrathool	80	25.4M to 29M south of Hillston	do	do	16,788 *
do	321	2.3M to 7M north of Wade Shire Boundary	do	do	73,488
Cobar	61	31M to 36M south of Cobar	do	do	86,000
Coolah	206	7.4M to 10M west of Dunedoo	do	do	52 *
Coonamble	202	North of Quambone	do	do	65,080
Copmanhurst	83	18M to 30M north of Grafton	Restoration of failed pavement	do	30,000
Cudgegong	233	22M to 24.95M west of Gulgong	Reconstruction and bitumen surfacing	do	43,494
Culcairn	331	12.4M to 14M west of Culcairn	do	do	49,368
Dumaresq	74	43.6M to 45.7M east of Armidale	do	do	16,280 +
Goobang	350	5M to 10M north of Trundle	do	do	75,778
Gosford	505	0M to 1.7M east of M. R. No. 336	do	do	90,000
Gunning	249	9.1M to 10.2M south of Gunning	do	do	55,000
Guyra	135	12.4M to 14.8M west of Guyra	do	do	50,000
Imlay	91	4M to 13M west of Pambula	Reconstruction	do	104,624
Jemalong	238	13.8M to 17.1M north of Eugowra	Reconstruction and bitumen surfacing	do	67,000
Kyogle	83	6.23M to 9.1M north of Kyogle	do	do	467 *
Lachlan	57	44M to 48M north of Condobolin	Top course gravel and seal	do	38,000
Lismore	65	0.8M to 3M from Lismore	Reconstruction and bitumen surfacing	do	50,000
Liverpool Plains	55	9.5M to 11.4M south of Oxley Highway	do	do	44,000
Macleay	198	2.7M to 4.3M east of Kempsey	Strengthening and bitumen surfacing	do	30,000
Merriwa	214	2.5M to 6M south of T. R. No. 62	Reconstruction and bitumen surfacing	do	74,500
Murrumbidgee	321	37.5M to 40.5M north of S. H. No. 17	do	do	41,000
Namoi	343	6.26M to 9.5M west of Wee Waa	do	do	5,976 *
Oberon	256	21.2M to 25.7M south of Oberon	do	do	140,000
Port Stephens	108	Fern Bay to Junction with M. R. No. 302	Deviation	do	142,549

* Credit

+ For Additional Expenditure See Appendix No. 7

COMMONWEALTH AID ROADS FUND - continued

Summary of Payments from Department's Funds on Construction and Reconstruction Works - continued

(C) COUNTRY RURAL AREA - continued

(ii) Trunk and Ordinary Main Roads - continued

City, Municipal or Shire Area	Road No.	Location of Work	Class of Construction	Constructing Authority	Amount
Rylstone	215	9.5M to 10.5M north of Rylstone	Reconstruction and bitumen surfacing	Council	66,400
Snowy River	286	4.3M to 6.5M from Cooma	Construction	do	104,000
Tallaganda	271	2.8M to 4.8M from Briadwood	Reconstruction and bitumen surfacing	do	45,000
Timbregongie	347	10.2M to 12M from Trangie	do	do	47,000
Tumbarumba	282	16.9M to 17.6M from Tumbarumba	do	do	37,500
Uralla	73	28.3M to 30.9M north of Uralla	do	do	67,630
Urana	385	24M to 27.3M north of Urana	do	do	58,500
Wakool	319	34M to 36M and 37M to 37.5M	do	do	5,493 *
Walgett	127	From Walgett to T. R. No. 68	do	do	39,600
Waugoola	576	11.5M to 15.7M from Cowra	do	do	60,356
Wentworth	68	35M to 45M north of Wentworth	do	do	73,750
Wingecarribee	263	11.2M to 12M south of Illawarra Highway	Reconstruction	do	33,000
Total - Trunk and Ordinary Main Roads					\$2,309,455

(iii) Developmental Roads

Berrigan	1172	5.5M and 9M from Newell Highway	Concrete bridges	Council	7,736
do	1172	3.6M to 13.85M from Tocumwal	Restoration of flood damage	do	257
Bingara	3191	14.3M to 15.1M south of Elcombe	Construction	do	9,600
do	3196	Macintyre Creek, 18.5M south east of Bingara	Low level bridge	do	34,856
Bland	1123	0M to 2.5M north of Nariah Railway Station	Forming, draining and gravelling	do	2,043
do	1131	5.25M in various sections	Gravelling	do	389
do	1220	Junction with S. H. 6 to 17.9M south	do	do	75 *
Bogan	1163	65.8M to 67.9M south of Nyngan	Construction of culverts and gravelling	do	11,600
do	1163	44M to 47M from Darouble	Construction	do	2,974
do	1163	66M to 68.2M south of Nyngan	Construction of culverts and gravelling	do	18,200
Boomi	3168	Mehi River and Brown's Creek	Concrete bridge and culvert	do	8,578 *
Bourke	1316	12.32M to 38.6M north of M. R. No. 405	Construction and formation	do	5,000
do	1316	M. R. 405 near Wanaaring to M. R. 429 near Willara Crossing	Clearing, formation and drainage works	do	8,839
Canobolas	1310	Bosche's Creek at 11.4M to Mullion Creek at 13.3M	Construction	do	7,500
Carrathool	1018	0M to 5.85M from T. R. 80	Gravel sheeting	do	371
do	1065	1M to 12.5M from M. R. No. 501	Gravelling	do	20,100
Cobar	1262	31.7M to 46M east of T. R. No. 68	Gravelling selected lengths	do	15,006
do	1263	8.2M to 33.7M south of Junction of M. R. No. 415 and M. R. No. 416	Construction	do	19,200
Cockburn	1032	19.2M to 20.9M and 22.4M to 23M from Limbri	do	do	28,188
do	1032	14.6M to 15.8M from Limbri	do	do	21,188 *
Colo	3154	Webbs Creek	Steel and reinforced concrete bridge	do	8,400
Conargo	1241	23.1M to 30.1M south of M. R. No. 552	Clearing, forming and concrete box culverts	do	1,308 *
Coolah	1304	Caibil Creek 12.2M east of T. R. No. 55	Reinforced concrete bridge	do	5,792

* Credit

APPENDIX NO. 5 - continued

COMMONWEALTH AID ROADS FUND - continued

Summary of Payments from Department's Funds on Construction and Reconstruction Works - continued

COUNTRY RURAL AREA - continued

(iii) Developmental Roads - continued

City, Municipal or Shire Area	Road No.	Location of Work	Class of Construction	Constructing Authority	Amount
Coolah	1304	15.3M to 21M east of T. R. No. 55	Reconstruction and bitumen surfacing	Council	71,000
do	1304	10M to 15.3M east of T. R. No. 55	Gravelling and bitumen surfacing	do	4,079
Coonabarabran	1232	6.57M to 10.95M from S. H. No. 11 towards Garrawilla	Construction	do	3,454
do	1232	2M to 3M south of S. H. No. 11 towards Garrawilla	do	do	927
do	1232	East of Coybill Road	do	do	7,000 *
do	1255	9.3M to 10.3M east of Binnaway	Reconstruction	do	16,000
Coonamble	3181	Talaga Creek on Road connecting Combara and Taloon	Causeways	do	8,199 *
Copmanhurst	1179	2.3M to 4.47M north of M. R. No. 150	Construction	do	700
do	1179	6.7M to 9.9M north of M. R. No. 150	Reconstruction	do	37,600
do	1179	18.69M to 21.34M north of M. R. No. 150	do	do	10,914
do	1179	4.5M to 6.6M from M. R. No. 150	do	do	482
Cudgong	3141	0.16M and 14.35M south-west of M. R. No. 216	Concrete culverts	do	265
do	3216	Wialdra Creek 2.5M north of Gulgong	Reinforced concrete bridge	do	84,046
Dungog	3163	8M to 9M north of Dungog	Construction	do	4,904 *
do	3163	6.3M to 7M north of Dungog	do	do	4,904
do	3163	8M to 9.2M north of Dungog	do	do	40,000
Gloucester	1150	Between Hawes Creek and Willow Tree 18.6M - 20.3M from Gloucester	Reconstruction	do	59,000
Goodradigbee	1351	0M to 2M from Dick's Creek Road	do	do	5,578
do	1351	0M to 5M from Dick's Creek Road	Construction	do	3,845
Greater Cessnock	3222	4M to 5M from S. H. No. 9	do	do	20,000
Guyra	1254	15M to 18M west of Nowland's Creek	Extension	do	10,000
do	1254	Ward's Mistake to approximately 15M west of Nowlands Creek	Construction	do	2,000
Guyra and MacIntyre	1291	M. R. No. 135 to Moredun	do	do	4,000
Guyra	3212	13.5M to 14.5M west of junction with S. H. No. 9 and M. R. No. 135	do	do	23,000
Jerilderie	1314	0M to 11.25M south-west of M. R. No. 596	Reshaping and gravelling	do	267
Jindalee	3204	Stoney Creek, 4.8M west of T. R. No. 87	Reinforced concrete bridge and approaches	do	4,045
Lachlan	1029	3.85M to 6.58M north of Bland Shire Boundary	Gravelling	do	7,000
do	1187	20.5M to 25.5M from T. R. No. 61	do	do	402 *
Liverpool Plains	1277	Cox's Creek	Prestressed concrete bridge and approaches	do	7,459 *
do	1298	0.88M from Currabubula-Breeza Road	Culvert	do	4,576
Macleay	1266	Seale Road	Construction	do	147 *
do	1266	Seale Road, 0M to 2.56M from Kempsey	do	do	303
Monaro	1268	Big Badja Creek 18.28M to 19.92M from Kybeyan River	Approaches	do	2,581
do	1268	30M to 30.68M north of Kybeyan River	Construction	do	3,385
do	1268	24M to 25M from Tallaganda Shire Boundary	Reconstruction	do	10,000
do	1268	23M to 24M from Kybeyan River	Construction	do	19,000
Murray	1237	Cooley Hoo Creek	Concrete Bridge and approaches	do	8,854 *
do	1272	Colligen Creek	Prestressed concrete bridge	do	8,854
Peel	1275	Duffs Gully 1.95M from M. R. No. 130	Construction of bridge	do	9,648
Rylstone	3100	3.75M to 5.75M from Ilford	Construction	do	5,250
do	3221	Narrango Road to Cox's Creek Road	Nine pipe culverts	do	2,000

* Credit

COMMONWEALTH AID ROADS FUND - continued

Summary of Payments from Department's Funds on Construction and Reconstruction Works - continued

(C) COUNTRY RURAL AREA - continued

(iii) Developmental Roads - continued

City, Municipal or Shire Area	Road No.	Location of Work	Class of Construction	Constructing Authority	Amount
Severn	1318	Gwydir Highway to M. R. No. 382	Construction	Council	30,000
Shoalhaven	1246	6.55M to 7.77M south of Burrill Creek	do	do	7,000
Snowy River	1297	Jacobs Ladder to Willis at Victorian Border	Reconstruction	do	3,000
Tallaganda	1268	47M to 48.5M south of Braidwood	Construction	do	28,700 *
do	1268	42.7M to 43.8M south of Braidwood	do	do	3,273 *
do	1268	48M to 49.1M south of Braidwood	do	do	36,973
do	1268	44.7M to 46M south of Braidwood	do	do	28,115
Tamarang	3210	Quirindi Creek, 0.5M north of M. R. No. 126	Concrete culvert	do	21,000
Tenterfield Shire	3219	Upper Rocky Creek Road (1) 7.3M to 8.4M (2) 8.4M to 15.2M	(1) Roadway (2) concrete causeways	do	19,500 *
Tomki	1125	Mongogarie Creek at Collisons	Prestressed concrete bridge	do	35
do	1125	Mongogarie Creek at Sheehan's Crossing	Construction of Bridge	do	861
Tumbarumba	1117	Tarcutta Creek 3.72M from T. R. No. 85	Reinforced concrete bridge	do	5,200
do	1117	Tooma River at Greg Greg	Steel and concrete bridge	do	103 *
do	1171	0M to 5.45M east of M. R. No. 281	Construction	do	45,000
do	1171	10.14M to 14.4M south of M. R. No. 281	Gravelling	do	770
do	1171	Across Tooma Flats	Formation, gravelling and drainage	do	3,632
Tumut	1038	16M to 18.55M east of M. R. No. 273	Construction	do	18,000
do	1215	20M to 22.5M south of S. H. No. 4	do	do	2,500
do	1215	22.52M to 25M south of S. H. No. 4	do	do	1,770 *
Tweed	3172	Tyalgum Creek and Hopping Dicks Creek	Construction of bridges	do	542
Ullmarra	1274	5.5M to 7M south of Tucabia	Construction	do	20,313
Uralla and Guyra	3185	12.4M to 13.5M from T. R. No. 73	do	do	2,630 *
Walcha	1317	Smith's Creek	Bridge and approaches	do	25,000
do	1317	Bridge over Smith's Creek, 24M south of Walcha	Approaches	do	3,023
do	1317	16.5M to 20M south of Walcha	Construction	do	50,000
Wellington	1310	1M to 2M from M. R. No. 573 near Euchareena	Reconstruction	do	21,070
do	1310	2M to 5M from Euchareena	Construction	do	13,400
Wentworth	1296	Pooncarie to Shire Boundary 3.4M south of Darnick	Reconstruction	do	889
do	1296	41.6M to 45.1M east of Pooncarie	do	do	8,500
do	1296	15.03M to 21.1M east of Pooncarie	Reconstruction and gravelling	do	3,085
do	1296	45.1M to 48.5M east of Pooncarie	Construction	do	20,000
Wingecarribee	1299	2.5M to 6M from Canyonleigh Road	do	do	6,384 *
Woodburn	3120	Within the Shire	Restoration of flood damage	do	3,111
Yallaroi	1270	12.56M north-west of Warialda	Bridge	do	15,000
do	1270	12.56M west of Warialda	Reinforced concrete box culvert	do	15,000
do	1270	12.81M to 13.42M north-west of Warialda	Construction	do	5,750
do	1290	6.8M to 7.82M east of Yallaroi	do	do	10,790
Total - Developmental Roads					\$981,839

* Credit

APPENDIX NO. 5 - continued

COMMONWEALTH AID ROADS FUND - continued

Summary of Payments from Department's Funds on Construction and Reconstruction Works - continued

(C) COUNTRY RURAL AREA - continued

(iv) Roads other than Main Roads - continued

City, Municipal or Shire Area	Road No.	Location of Work	Class of Construction	Constructing Authority	Amount
Tumbarumba		Alpine Way	Reconstruction	Department	62,558 +
				Total - Roads other than Main Roads	<u>\$62,558</u>

SUMMARY (C. A. R.)

	\$	\$
Freeways	13,660,441	
State Highways	21,705,975	
Trunk and Ordinary Main Roads	<u>10,032,392</u>	45,398,808
Secondary Roads		259,487
Developmental Roads		981,839
Roads other than Main Roads		<u>3,459,959</u>
		50,100,093
Survey, Design, Supervision etc.		<u>1,683,961</u>
Total as shown in Receipts and Payments Statement Appendix No. 1(A)		<u>\$51,784,054</u>

+ For Additional Expenditure See Appendix No. 7A

APPENDIX NO. 6

COUNTY OF CUMBERLAND MAIN ROADS FUND - GENERAL PURPOSES
Summary of Payments from Department's Funds on Construction and Reconstruction Works

(i) State Highways

City, Municipal or Shire Area	Road No.	Location of Work	Class of Construction	Constructing Authority	Amount
PRINCES HIGHWAY					\$
Marrickville	1	Intersection with Gannon Street	Reconstruction	Department	17,967
do	1	Cooks River Railway Goods Yard	Improvement to Stormwater Canal	Council	24 *
Wollongong	1	Bulli Pass to M. R. No. 177	Climbing lane	Department	24
					<u>\$17,967</u>
HUME HIGHWAY					
Camden	2	Various lengths	Heavy patching of damaged concrete pavement	Department	79,180
do	2	Bridge over Nepean River at Camden	Deviation and northern approach	do	107
Liverpool	2	Lachlan Street to Campbell Street, Liverpool	Kerbside lane	do	31
					<u>\$79,318</u>
GREAT WESTERN HIGHWAY					
Auburn	5	Intersection with Birnie Avenue	Improvement to kerb alignment	Department	706
Auburn, Burwood and Parramatta	5	Loftus Street, Concord to S. H. No. 13	Replace failed concrete	do	72,341
Auburn	5	King Avenue to Haslam's Creek	Reconstruction and drainage of failed pavement	do	1,787
do	5	St. Hilliers Road and Silverwater Road	Improvement to junction	do	47,622
Blue Mountains	5	11.04M to 11.83M west of Katoomba	Asphaltic concrete surfacing	do	85,019
do	5	27.9M to 28.3M west of Penrith at Wentworth Falls	Climbing lane	do	686
do	5	18.09M to 18.38M west of Penrith	Overtaking lane	do	8,371
do	5	Selected sections	Reshaping and strengthening with asphaltic concrete	do	45,509
do	5	11.2M to 12M west of Penrith at Valley Heights	Climbing lane	do	16,684
do	5	Junction with Kings Tablelands Road, Wentworth Falls	Improvement	do	31,502
Concord, Auburn and Strathfield	5	Mosely Street, Strathfield to Hill Road, Auburn	Drainage and replacement of failed pavement	do	128
Holroyd	5	Bridge Road to Station Street, Wentworthville	Reconstruction	do	43,574
Holroyd and Blacktown	5	Wyena Road to Blacktown Road	Dual carriageway	do	21,599 *
Holroyd	5	Berith Road to Beresford Road	Reconstruction of failed asphaltic concrete pavement	do	27,692
Parramatta	5	Intersection with Berry Street Granville	Kerb and median adjustments	do	1,799
Penrith	5	Intersections with River Road and Funt Road	Widening of pavement	do	6,303
do	5	0.13M to 0.25M west of Nepean River	Sealing of eastbound kerbside lane	do	7,134
do	5	Emu Plains	Kerb and gutter	Council	709
Strathfield, Auburn, Burwood and Concord	5	Esher Street Concord to Platform Street Lidcombe	Restoration of failed pavement at various locations	Department	1,226
Strathfield, Burwood and Concord	5	Lucas Road to Wentworth Road Homebush	Asphaltic concrete surfacing	do	57,250
Sydney and Leichhardt	5	Pedestrian footbridge at Sydney University	Approaches	do	34,324
do	5	Sydney University	Pedestrian Footbridge	do	35,849
					<u>\$504,616</u>

* Credit

APPENDIX NO. 6 - continued

COUNTY OF CUMBERLAND MAIN ROADS FUND - GENERAL PURPOSES - continued
Summary of Payments from Department's Funds on Construction and Reconstruction Works - continued
(i) State Highways - continued

City, Municipal or Shire Area	Road No.	Location of Work	Class of Construction	Constructing Authority	Amount
PACIFIC HIGHWAY					\$
Hornsby	10	Asquith to Mt Ku-ring-gai	Widening	Department	3,886
do	10	Mt. Ku-ring-gai	Median and turning bays	do	2,227
do	10	0.5M north of Mt. Ku-ring-gai	Stormwater drainage	do	92 *
do	10	Mt. Colah	Pedestrian Overbridge	do	25,043 *
Lane Cove and Willoughby	10	Railway overbridge at St. Leonards	Widening	do	125,585
					<u>\$106,563</u>
STATE HIGHWAY NO. 13					
Baulkham Hills and Parramatta	13	Intersection with Felton Road and Jenkins Road, Carlingford	Channelisation	Department	1,293 +
Holroyd and Parramatta	13	Railway underpass at Granville	Batter protection	do	15,208
Parramatta and Baulkham Hills	13	Bettington Road to Tintern Avenue	Kerbside lanes	do	24,729
Parramatta and Holroyd	13	Granville	Railway underpass	do	110,000
Parramatta, Bankstown and Fairfield	13	Sydney water supply main	Prestressed concrete bridge	do	1 *
					<u>\$151,220</u>
Total - State Highways					<u>\$859,684</u>
(ii) Ordinary Main Roads					
Baulkham Hills	157	Castle Hill Showground to M. R. No. 184	Reconstruction	Council	20,000
do	160	Near Cranstons Road	Improvement to alignment	do	13,260
Blue Mountains	184	38.52M to 39.22M west of Windsor	Widening and strengthening	Department	6,693
do	184	28.7M to 29.8M west of Windsor	Construction of climbing lane	do	11,204 *
do	184	36M to 41M west of Windsor	Reconstruction and improvement to drainage	do	22 *
do	184	7.42M to 7.76M east of Mt. Victoria	Widening and strengthening	do	32,673
Botany and Randwick	171	Intersection with Beauchamp Road	Traffic signal installations	do	315
Botany	344	Southern Cross Drive to Bay Street	Dual Carriageway	do	31 *
Campbelltown	173	Railway underpass at Menangle	Improvement	Council	7,565
do	179	2M to 2.3M from M. R. No. 178	Improvement and widening	do	17,500
Colo	184	Foot of Kurrajong Hill	Widening of reverse curves	Department	2,000 *
Fairfield	515	Intersection of Meadows Road	Widening and drainage	do	108
Hornsby	139	Copeland Road Beecroft	Drainage	Council	726
do	161	Intersection with Calderwood Road	Improvement	do	3,194
do	548	0.3M to 1.4M west of Galston	Deviation and bitumen surfacing	do	10,000
do	548	Colah Creek 0.84M from M. R. No. 161	Prestressed concrete bridge	do	45,921

+ For additional expenditure see Appendix No. 5

* Credit

APPENDIX NO. 6 - continued

COUNTY OF CUMBERLAND MAIN ROADS FUND - GENERAL PURPOSE - continued

Summary of Payments from Department's Funds on Construction and Reconstruction Works - continued

(ii) Ordinary Main Roads - continued

City, Municipal or Shire Area	Road No.	Location of Work	Class of Construction	Constructing Authority	Amount
					\$
Hurstville	168	Bus stop near Boronia Parade Lugarno	Construction	Council	441
do	168	Commission Street to Koorabel Street	Reconstruction	do	21,337
do	168	Edith Creek, Lugarno	Stormwater drainage	do	4,000
do	168	Near Valentia Avenue	Reconstruction and kerb and gutter	do	5,200
do	168	Samuel Street to Isaac Street, Peakhurst	Kerb and gutter	do	432
do	168	Belmore Road to Lime Kiln Road, Lugarno	Drainage improvement	do	24,100
Ku-ring-gai	162	Vicinity of Shinfield Avenue	Widening	do	3,508 *
do	328	Roseville Bridge	Southern approaches	Department	58,232
Liverpool	512	Intersection with Centenary Avenue	Provision of concrete pipe culvert	do	6,634
Manly	159	Intersection of Sydney Road and Wanganella Street	Adjustment to median strip	Council	41 *
do	159	Crescent Street to Belgrave Street	Reconstruction and widening	do	5,720 *
Penrith	155	Mulgoa Public School	Kerb, gutter and drainage	do	77 *
Randwick	327	Judge Street to St. Luke Street	Reconstruction	do	886
do	327	Cowper Street to Prince Street and Wansey Road to Racecourse Gates	Kerb and gutter	do	4,259
Rockdale	168	Intersection with Harrow and Bexley Roads	Traffic signal installation adjustments	do	144 *
do	194	Teralba Road to President Avenue	Widening	do	500
Ryde	165	Arras Parade to Charles Street	Reconstruction of failed pavement	Department	224 *
do	165	Gerard Street to The Avenue, Gladesville	Provision of drainage	do	1,510
do	191	Curve near entrance to Crematorium	Widening	Council	2,042
Sutherland	199	Main Road No. 227 to Toorak Avenue, Taren Point	Dual Carriageway	do	48
do	227	Box Road to Parraweena Road	Reconstruction	do	10 *
do	227	Sixways to Kareena Road, Miranda	Dual Carriageway	do	745 *
do	393	Causeway across Port Hacking River near Waterfall	Flood free deviation	Department	115 *
Warringah	159	Riverview Parade to Oliver Street, Queenscliff	Widening	Council	6,586
Willoughby	191	Opposite Davies Street	Reconstruction and bitumen surfacing	do	1,125
do	191	Opposite Davies Street	Widening reconstruction and bitumen surfacing	do	631
Windsor and Penrith	155	Junction of M. R. No. 570 at Yarramundi	Construction of channelised intersection	Department	50,211
Windsor	181	Approaches to McKenzies Creek 1M to 1.2M from M. R. No. 184	Reconstruction of failed pavement	do	19,904
do					
do	181	Long Neck Lagoon 5.35M north of McGrath's Hill	Reinforced concrete box culverts	do	2,365 *
Wollondilly	177	Approaches to Kings Fall bridge	Improvement	Council	21,000
Woollahra	172	Northern side Queen Street to Grosvenor Street	Construction	do	687 *
do	339	Intersection of Newcastle Street	Traffic island	do	86 *
Total - Ordinary Main Roads					\$360,054

(iii) Secondary Roads

Bankstown	2090	Roberts Road to Waterloo Road	Reconstruction	Council	180
Blacktown	2085	Great Western Highway to Leabons Lane	do	do	5,000
do	2085	Pedestrian Crossing at Prospect	Kerb and gutter	do	124
do	2085	Railway overbridge to Breakfast Road	Reconstruction, kerb and gutter and drainage	do	38,000
Botany	2008	O'Riordan Street, Mascot	Clearance between power lines and sign structures	do	799
Concord	2059	Burwood Road to Broughton Street	Reconstruction and bitumen surfacing	do	801 *

* Credit

APPENDIX NO 6 - continued

COUNTY OF CUMBERLAND MAIN ROADS FUND - GENERAL PURPOSES - continued

Summary of Payments from Department's Funds on Construction and Reconstruction Works - continued

(iii) Secondary Roads - continued

City, Municipal or Shire Area	Road No.	Location of Work	Class of Construction	Constructing Authority	Amount
					\$
Concord	2059	Addison Avenue to Fatterson Street	Reconstruction	Council	25,000
Drummoyne	2059	St. Lukes Park to M. R. No. 395	do	do	2,603
do	2059	Great North Road to Harris Road	do	do	5,428
Hornsby	2035	Intersection with Gumnut Road, West Pennant Hills	Improvement	do	1,980
do	2035	Pennant Hills Road to 100' west of Bellamy Street	Reconstruction, shoulder paving and kerb and guttering	do	20,000
Ku-ring-gai	2067	State Highway No. 10 to Main Road No. 162	Reconstruction	do	2,677
Lane Cove	2070	Tambourine Bay Road to Wangalla Road	do	do	281 *
do	2070	William Edward Street to Warraroon Road, Stage 2	Reconstruction and widening	do	868 *
Leichhardt	2046	James Street to Balmain Road	Reconstruction	do	1,555
do	2046	Mary Street to Balmain Road	do	do	9,200
Liverpool	2071	Campbell Street to Hoxton Park Road	do	do	2,127 *
Manly	2025	No. 86 West Esplanade	Realignment - property adjustment	do	656
do	2025	No. 38 The Crescent	Retaining wall	do	629 *
North Sydney and Willoughby	2091	Brook Street to Pacific Highway	Reconstruction	do	1,500
Parramatta	2066	Macquarie Street to George Street	Reconstruction and widening	do	1,750
Penrith	2063	Near Kenmare Road	Widening and drainage	do	2,530
Randwick	2074	Southerly from Nyan Street	Construction	do	10,000 *
Rockdale	2080	Sandringham Street to Ramsgate Road	Reconstruction	do	888
Strathfield	2057	Henley Road to Municipal Boundary	do	do	4,212
do	2057	Fraser Street to Mitchell Road	do	do	793
Sutherland	2075	Intersection with Gympsea Bay Road	Installation of traffic signals	do	144 *
do	2075	Willarong Road south to Kiora Road	Widening and sealing of side strips	do	4,687
do	2075	Pt. Hacking Road - Taren Point and Milford Road to Balfour Avenue south side	(1) Kerb and gutter and (2) reconstruction and sealing side strips	do	16,700
Willoughby	2092	Railway overbridge at Chatswood	Replacement and widening	do	17,322
Total - Secondary Roads					\$148,734

(iv) Tourist Roads

Baulkham Hills	4006	River Road	Reconstruction	Council	167
Blue Mountains	4004	Great Western Highway to Mount York	Reconstruction and Bitumen surfacing	do	7,000
Total - Tourist Roads					\$7,167

(v) Roads other than Main Roads

Camden		Richardson Road from Hume Highway to Spring Road	Reconstruction	Council	74,000
Liverpool and Camden		South Creek, Bringelly Road, Rossmore	Concrete Bridge	do	12,872
do		Bridge over South Creek, Bringelly Road, Rossmore	Approaches	do	115,000

APPENDIX NO. 6 - continued

COUNTY OF CUMBERLAND MAIN ROADS FUND - GENERAL PURPOSES - continued
Summary of Payments from Department's Funds on Construction and Reconstruction Works - continued
(v) Roads other than Main Roads - continued

City, Municipal or Shire Area	Road No.	Location of Work	Class of Construction	Constructing Authority	Amount
Liverpool		Hoxton Park Road from Flowerdale Road to Hill Road	Strengthen and bitumen surfacing of shoulders	Council	\$ 10,000
Rockdale		Cooks River at Marsh Street	Prestressed concrete bridge	Department	6,223
do		Bridge over Cooks River at Marsh Street	Asphaltic surfacing of deck	do	12,250
Total - Roads other than Main Roads					\$230,345

SUMMARY		\$	\$
State Highway		859,684	
Ordinary Main Roads		360,054	1,219,738
Secondary Roads			148,734
Tourist Roads			7,167
Roads other than Main Roads			230,345
			1,605,984
Survey, Design, Supervision Etc.			4,391,888
Total as shown in Receipts and Payments Statement Appendix No. 1 (B)(1)			\$5,997,872

APPENDIX NO. 6A

COUNTY OF CUMBERLAND MAIN ROADS FUND - SPECIAL PURPOSES

Summary of Payments from Department's Funds on Construction and Reconstruction Works

(i) Freeways

City, Municipal or Shire Area	Road No.	Location of Work	Class of Construction	Constructing Authority	Amount
WARRINGAH FREEWAY					\$
North Sydney	F1	Warringah Freeway - First Stage	Construction	Department	392,053
do	F1	Warringah Freeway - First Stage	Public Utility adjustment - Sydney County Council	do	13,778
do	F1	Warringah Freeway - First Stage	Public Utility adjustment	do	45
					<u>\$405,876</u>
SYDNEY - NEWCASTLE FREEWAY					
Hornsby	F3	New Bridge over Hawkesbury River	Reinforced concrete sub-structure	Department	592 +
do	F3	New Bridge over Hawkesbury River	Reinforced concrete super-structure	do	722,602 +
do	F3	Bridge over Hawkesbury River	Southern approach	do	295,786
do	F3	Berowra Toll Office	Extensions	do	20,584
do	F3	Berowra	Automatic Toll Barriers and Ancilliary Equipment	do	57,149
					<u>\$1,096,713</u>
SOUTHERN FREEWAY					
Wollongong	F6	Waterfall to Bulli Pass	Bridge at M. R. No. 513 over loading ramp from S. H. No. 1	do	153,434
do	F6	Over S. H. 1, 30.25M South of Sydney	Twin Bridges	do	102
do	F6	Waterfall to Bulli Pass	Supervision	do	72,462
do	F6	28.25M South of Sydney	Twin Bridges	do	17,949
do	F6	31.59M South of Sydney	Lowering of S. H. No. 1	do	373
do	F6	Waterfall to Bulli Pass	Capitalisation - State Loans - Interest	do	155,220
do	F6	27.22M South of Sydney	Underpass	do	35,967
do	F6	Waterfall to Bulli Pass 34M to 41M South of Sydney	Construction Second Stage	do	1,978,661
do	F6	27.22M South of Sydney	Overbridge	do	141,885
do	F6	39.57M South of Sydney	Overbridge	do	169,149
do	F6	Waterfall to Bulli Pass	Capitalisation - Section 42A Loans - Principal	do	280,907
do	F6	Waterfall to Bulli Pass	Capitalisation - State Loans - Sinking Fund	do	6,940
do	F6	Waterfall to Bulli Pass	Public Utility Adjustment Postmaster General's Department	do	31,200
do	F6	Waterfall to Bulli Pass	Capitalisation - State Loans - Flotation Expenses	do	460
do	F6	Waterfall to Bulli Pass	Capitalisation - Section 42A Loans - Transfer to Reserve	do	158,831
do	F6	Waterfall to Bulli Pass	Capitalisation - Section 42A Loans - Interest	do	1,257,307
do	F6	Waterfall to Bulli Pass	Capitalisation - State Loans - Exchange	do	1,510
do	F6	Waterfall to Bulli Pass 27M to 34M South of Sydney	Construction First Stage	do	2,397,243

+ For Additional Expenditure See Appendix No. 7A

APPENDIX NO. 6A - continued

COUNTY OF CUMBERLAND MAIN ROADS FUND - SPECIAL PURPOSES - continued

Summary of Payments from Department's Funds on Construction and Reconstruction Works - continued

(i) Freeways - continued

City, Municipal or Shire Area	Road No.	Location of Work	Class of Construction	Constructing Authority	Amount
					\$
Wollongong	F6	Waterfall to Bulli Pass 34M to 41M South of Sydney	Construction Second Stage	Department	79,007
do	F6	Waterfall to Bulli Pass 27M to 34M South of Sydney	Construction First Stage	do	39,830
do	F6	Waterfall to Bulli Pass	Capitalisation - State Loans - Management Expenses	do	500
					<u>\$6,978,937</u>
			Total - Freeways		<u>\$8,481,526</u>

(ii) Roads other than Main Roads

Rockdale		Bridge over Cooks River at Arncliffe	Eastern approaches	Department	3,609 *
			Total - Roads other than Main Roads		<u>\$ 3,609 *</u>

SUMMARY

	\$
Freeways	8,481,526
Roads other than Main Roads	3,609 *
	<u>8,477,917</u>
Operating Accounts etc.	171,009 *
Total as Shown in Receipts and Payments Statements	<u>8,306,908</u>
Appendix No. 1(B)(ii)	

* Credit

APPENDIX NO. 7

COUNTRY MAIN ROADS FUND - GENERAL PURPOSES

Summary of Payments from Department's Funds on Construction and Reconstruction Works

(i) Freeways

City, Municipal or Shire Area	Road No.	Location of Work	Class of Construction	Constructing Authority	Amount
SOUTH-WESTERN FREEWAY					
Mittagong	F5	Yanderra to Alpine	Construction	Department	72,828
					<u>\$72,828</u>
SOUTHERN FREEWAY					
Wollongong	F6	Porter Street Extension	Dual Carriageway	Department	10,340 *
					<u>\$10,340 *</u>
Total - Freeways					<u>\$62,488</u>

(ii) State Highways

PRINCES HIGHWAY

Bega	1	Bega River at North Bega	Prestressed concrete bridge	Department	412,515
Eurobodalla	1	0.08M to 9.85M south of Narooma	Reconstruction	do	3,270
Imlay	1	0M to 0.7M south of Eden	do	do	75
do	1	Whelans Swamp 7.15M south of Eden	Reinforced concrete bridge	do	75,941
do	1	Bridge over Wolumla Back Creek at Long Bridge	Approaches	do	24,624
do	1	Wolumla Back Creek Long Bridge, 10.2M south of Bega	Reinforced concrete box culvert	do	39,049
Mumbulla	1	Quaama, 31.2M to 32.6M south of Narooma	Deviation	do	10,893
do	1	Dry River at Quaama 32.2M south of Narooma	Prestressed concrete bridge	do	7,779 *
Shellharbour	1	Macquarie Rivulet, 13.3M south of Wollongong	do	do	11,017
Shoalhaven	1	Bomaderry Hill, 99.2M to 99.51M south of Sydney	Climbing lane	do	287 *
do	1	Intersection with M.R. No. 312	Temporary improvement	do	386 *
do	1	Intersection with Illaroo Road	Adjustment to kerb lane	do	60 *
do	1	25.1M to 25.5M south of Nowra	Widening	do	414 *
do	1	Butchers Hill 1.5M north of Berry	Pavement correction	do	181 *
do	1	Abernathys Creek 97M to 97.5M south of Sydney	Improvement to alignment	do	260 *
do	1	Bridge Berry and North Streets Nowra	Improvement to intersection	Council	1,149
					<u>\$569,166</u>

HUME HIGHWAY

Camden	2	Bridge over Nepean River at Camden	Reinforced concrete sub-structure	Department	1,189 00
Goodradigbee	2	Bowning Creek 9M west of Yass	Prestressed concrete bridge	do	79,362
Goulburn City	2	51M to 53.2M south of Mittagong	Dual carriageway	do	5,136
Goulburn City Mulwaree	2	0.74M to 7.93M south of Goulburn	do	do	27,160
Gundagai	2	Coolac level crossing	Installation of "F" type signals	do	13,133
do	2	Bridge over Big Ben Creek 3.9M to 5M south of Gundagai	Approaches	do	65,313

* For additional expenditure see Appendix No. 5

APPENDIX NO. 7 - continued

COUNTRY MAIN ROADS FUND - GENERAL PURPOSES - continued

Summary of Payments from Department's Funds on Construction and Reconstruction Works - continued

(ii) State Highways - continued

City, Municipal or Shire Area	Road No.	Location of Work	Class of Construction	Construction Authority	Amount
HUME HIGHWAY - continued					
Gundagai	2	5M to 22M south of Gundagai	Heavy patching and pavement strengthening	Department	6,250
do	2	42.6M south of Yass	Widening formation and pavement including culvert	do	33,106
do	2	Bridge over Murrumbidgee River at Gundagai	Bored pile foundations	do	233,060
do	2	Big Ben Creek, 4.5M south of Gundagai	Prestressed concrete bridge	do	47,836
Gunning	2	35.3M to 36.9M south of Goulburn	Reconstruction and widening	do	22,551
Gunning Mulwaree	2	41M south of Mittagong to 44M south of Goulburn	Heavy patching and pavement strengthening	do	62,159
Holbrook	2	Bridge over Billabong Creek, 29.4M south of Tarcutta	Approaches	do	673
do	2	Woomargama Creek 8.7M south of Holbrook	Reinforced concrete bridge	do	1,200
do	2	Bridge over Little Billabong Creek 24.2M south of Tarcutta	Approaches	do	3,370
Hume Albury	2	34.8M to 37.1M south of Holbrook	Reconstruction and bitumen surfacing	do	301 *
Hume	2	30.5M to 33.3M south of Holbrook	do	do	29,282
do	2	16.8M to 18.3M south of Holbrook	do	do	3,586
do	2	Bridge over Table Top Creek 26.6M south of Holbrook	Approaches	do	7,183
do	2	Bridge over Sweetwater Creek 16.6M south of Holbrook	do	do	6,389
Kyeamba	2	Intersection with S. H. No. 14	Improvement	do	6,430
do	2	Tarcutta Creek at Tarcutta	Prestressed concrete bridge	do	21,625
Mittagong	2	37.85M to 38M south of Camden	Deviation	do	91 *
do	2	White Horse Bridge 13.88M to 14.96M south of Picton	Improvement to southern approach	do	32
Mulwaree	2	North of Yarra	Twin overbridges	do	8,098
do	2	35.1M to 41.4M south of Mittagong	Dual carriageway	do	20,440
do	2	48.6M to 51.1M south of Mittagong	do	do	25
do	2	Intersection with S.H.No. 3 7.93M south of Goulburn	Construction including dual carriageway	do	803
do	2	9.2M to 10.2M south of Goulburn	Dual carriageway	do	1,230
do	2	Bridge over Boxers Creek 5.11M to 5.83M north of Goulburn	Approaches	do	34
do	2	Intersection with S. H. No. 3	Sub-structure	do	3,696
do	2	Narambulla Creek 42.14M south of Mittagong	Duplicate bridge southbound carriageway	do	101,312
Wingecarribee	2	Intersection with S. H. No. 25	Improvement	do	7,673
do	2	Berrima Colliery Line 87.1M south of Sydney	Widening of level crossing	do	885
do	2	Paddys River 17.25M south of Berrima	Twin bridges	do	20,170
do	2	Black Bob's Creek 7.75M south of Berrima	Prestressed concrete bridge	do	852
Wollondilly	2	1.5M south of Picton	Extension of reinforced concrete box culvert	do	1,414
do	2	47.5M to 48.7M south of Sydney	Reconstruction	do	1,076
Wollondilly, Mittagong and Wingecarribee	2	Various locations	Heavy patching of damaged pavement	do	4,366 *
Wollondilly	2	50.98M to 51.23M from Sydney (Margaret Street Picton)	Widening of pavement	do	2,146
					\$838,743
FEDERAL HIGHWAY					
Gunning, Mulwaree, Yarrowlumla	3	17M to 48M south of Goulburn	Heavy patching and pavement strengthening	do	10,092
					\$10,092

* Credit.

APPENDIX NO. 7 - continued

COUNTRY MAIN ROADS FUND - GENERAL PURPOSES - continued

Summary of Payments from Department's Funds on Construction and Reconstruction Works - continued

(ii) State Highways - continued

City, Municipal or Shire Area	Road No.	Location of Work	Class of Construction -	Construction Authority	Amount
SNOWY MOUNTAINS HIGHWAY					
Imlay	4	8.1M to 9.4M west of Tathra	Reconstruction and bitumen surfacing	Department	496 *
Monaro	4	35M to 40M west of Bega	do	do	1,444
do	4	Between Big Bog and Nimitabel	Restoration and construction of new link road	Council	2,416
Mumbulla	4	17.02M west of Bega	Construction of Cattle Creep	Department	2,402
Snowy River	4	6M to 8.4M west of Kiandra	Reconstruction and bitumen surfacing	do	44,792
do	4	4.3M to 6M west of Kiandra	do	do	35
do	4	1M to 1.3M west of Kiandra	do	do	4,487
do	4	9.1M east to 14.2M west of Kiandra	Asphaltic concrete surfacing	do	134
Tumut	4	27.1M to 32.9M east of Tumut	Reconstruction and bitumen surfacing	do	62,574
do	4	Capper Street to Wynyard Street Tumut	Deviation	do	77,884
do	4	13.6M to 21.6M east of Tumut	Soil erosion control	do	3,078
do	4	Blowering Dam	Deviation	do	36,430
					<u>\$235,180</u>
GREAT WESTERN HIGHWAY					
Bathurst	5	Intersection with S.H. No. 6 and S.H. No. 7	Improvement	Department	35,040
Blaxland	5	Marrangaroo	Railway overbridge	do	152,531
do	5	11.83M to 12.03M west of Katoomba	Asphaltic concrete surfacing	do	17,339
Turon	5	Diamond Swamp Creek 21.29M west of Lithgow	Reinforced concrete box culvert	do	44,738
do	5	20.0M to 21.6M west of Lithgow	Reconstruction and bitumen surfacing	do	77,992
do	5	24.4M to 27.7M west of Lithgow	Deviation	do	3,101
					<u>\$330,741</u>
MID-WESTERN HIGHWAY					
Abercrombie	6	Evans Plains Creek 4.1M west of Bathurst	Prestressed concrete bridge	Department	956
do	6	10.0M to 14.2M west of Bathurst	Widen formation and pavement prior to resealing	do	21,867
Lyndhurst	6	3.9M to 6.0M west of Blayney	Reconstruction and bitumen surfacing	do	54,806
do	6	Railway level crossing to Martha Street, Blayney	Reconstruction	do	2,745
do	6	19.6M to 20.6M west of Blayney	Field trial using foamed bitumen plant mix	do	208 *
do	6	Selected lengths within the Shire	Widening	do	725
do	6	Icely Street, Carcoar	Reinforced concrete box culvert	do	32,256
do	6	Mount Macquarie Road, Carcoar	Overpass	do	16,148
do	6	Eulamore Street Carcoar 9.40M west of Blayney	New overpass on Carcoar deviation	do	12,732
do	6	Belubula River at Carcoar	Prestressed concrete bridge	do	24,904
Waugoola	6	Railway overbridge at Holmwood	Approaches	Council	2,484

APPENDIX NO. 7 - continued

COUNTRY MAIN ROADS FUND - GENERAL PURPOSES - continued

Summary of Payments from Department's Funds on Construction and Reconstruction Works - continued

(ii) State Highways - continued

City, Municipal or Shire Area	Road No.	Location of Work	Class of Construction	Construction Authority	Amount
MID-WESTERN HIGHWAY - continued					
Waugoola	6	13M to 15M east of Cowra	Pavement widening	Council	5,000
Weddin	6	West of Caragabal	Widen formation and strengthen pavement	do	5,000
					<u>\$179,415</u>
MITCHELL HIGHWAY					
Abercrombie	7	2.1M to 4.8M west of Bathurst	Widening	Department	1,202 *
do	7	11.88M west of Bathurst	Climbing lane	do	18,351
Bourke	7	40M to 48.8M north of Bourke	Reconstruction and bitumen surfacing	do	103
do	7	59M to 61.3M north of Bourke	do	do	11,654
do	7	Barrington	Cattle inspection bays	do	5,851
do	7	Bridge over Cuffs Creek 82M north of Bourke	Approaches	do	20,960 *
do	7	51.4M north of Bourke	Reinforced concrete box culvert	do	17,510
Canobolas	7	28.8M to 31.4M west of Bathurst	Reconstruction and bitumen surfacing	do	29,459 *
Dubbo	7	Macquarie River at Dubbo	Reinforced concrete bridge	do	398
do	7	West Dubbo	Reinforced concrete box culvert	Council	7,232
do	7	Bridge over Macquarie River at Dubbo	Post structural adjustments	Department	2,015
Molong	7	Bell River, Claremont 9M north of Molong	Steel and concrete bridge	do	49,744
do	7	Bell River at Three Rivers 13M north of Molong	Prestressed concrete bridge	do	159,976
do	7	Molong Creek at Larras Lee 7.5M north of Molong	Steel and concrete bridge	do	56,056
do	7	Molong Creek 0.5M south of Larras Lee	Construction Angus Bridge	do	4,595
do	7	Three Rivers Bridge 12.6M to 13.9M north of Molong	Approaches	do	13,317
Orange	7	Intersection with T. R. No. 61 and M. R. No. 573	Reconstruction	do	2,287
do	7	Intersection with T. R. No. 61 and M. R. No. 573, Orange	do	Council	28,000
Talbragar	7	7M to 12.1M west of Dubbo	Deviation	Department	683
do	7	19M to 24.4M west of Wellington	Reconstruction and pavement widening	do	542
do	7	Bridge over Willandra Creek 8.5M west of Dubbo	Stone pitching and removal of old structure	do	10,104
do	7	Bridge over Eulomogo Creek 7M east of Dubbo	Widening	do	181
Warren	7	Railway level crossing at Nevertire	Extension	do	733
do	7	37.2M to 46M south of Nyngan	Reconstruction and widening	do	8,011
Wellington	7	Deep Creek 16.2M west of Wellington	Reinforced concrete box culvert	do	30,590
do	7	6.75M to 9.25M west of Wellington	Widen formation and pavement	do	26,269
do	7	Crescent and Percy Streets Wellington	Channelisation	do	55
do	7	7M to 12M north of Wellington	Widening	do	938
do	7	11.25M to 13.25M north of Wellington	Widen formation and pavement prior to resealing	do	32,073
					<u>\$504,677</u>
BARRIER HIGHWAY					
Broken Hill	8	Argent Street from Oxide Street to Sulphide Street	Median strips	Council	10,115
Central Darling	8	Goonalga Creek 26M east of Wilcannia	Prestressed concrete bridge	Department	23,364

*Credit.

APPENDIX NO. 7 - continued

COUNTRY MAIN ROADS FUND - GENERAL PURPOSES - continued

Summary of Payments from Department's Funds on Construction and Reconstruction Works - continued

(ii) State Highways - continued

City, Municipal or Shire Area	Road No.	Location of Work	Class of Construction	Constructing Authority	Amount
BARRIER HIGHWAY - continued					
Central Darling	8	21M to 34M east of Wilcania	Reconstruction and bitumen surfacing	Department	67,807
do	8	13M to 21M east of Wilcania	do	do	15,536
do	8	0M to 8M east of Wilcannia	do	do	19,114
Cobar	8	Queen Street, Cobar from Barton Street to Bathurst Street	do	Council	2,754
do	8	1M to 5M east of Cobar	Widening	Department	1,515
Murray Darling Division	8	32M to 33M east of Broken Hill	Reconstruction and bitumen surfacing	do	26
do	8	3.83M to 30.6M west of Broken Hill	Reconstruction and elimination of dips and causeways	do	86,808
do	8	Twenty-Five Mile Creek 25M east of Broken Hill	Reinforced concrete box culvert	do	18,815
do	8	Marachi Creek, 27.1M east of Broken Hill	do	do	25,984
					<u>\$271,838</u>

NEW ENGLAND HIGHWAY

Greater Cessnock	9	Culvert at Redhouse Creek 13.3M west of Maitland	Approaches	Department	549
do	9	Anvil Creek at Branxton	Prestressed concrete bridge	do	6,601
do	9	Bridge over Anvil Creek at Branxton	Approaches	do	66,558
Guyra	9	Railway siding to Guyra Abattoir	Overbridge	do	154 *
Guyra Severn	9	Llangothlin to Glencoe	Widening formation and clearing	do	7,808
Guyra	9	1M south to 0.34M north of Guyra	Deviation	do	3,631
do	9	1.88M to 2.38M and 3.08M to 4.08M north of Guyra	Resealing	Council	3,326
Maitland	9	Intersection with Mitchell Drive East Maitland	Channelisation	Department	858
do	9	0.85M to 2.76M west of Maitland	Reconstruction	do	4,101 *
do	9	Rutherford	Replacement of railway overbridge	do	51,179
do	9	Bridge over Four Mile Creek 4.8M south of Maitland	Superstructure	do	154,044
do	9	Bridge over Four Mile Creek 4.8M south of Maitland	Abutment Piles	do	13,570
do	9	Bridge over Four Mile Creek 4.8M south of Maitland	Benoto piling	do	50
Murrurundi	9	Chilcotts Creek Road	Improvement to level crossing	do	1,085
do	9	Bridge over Pages River at Murrurundi	Approaches	do	4
Muswellbrook Munic.	9	Muscle Creek underpass	Improvement	do	12,836
do	9	Bridge over Muscle Creek	Approaches	do	20,374
do	9	Muscle Creek	Prestressed concrete bridge	do	8,005 *
Patrick Plains	9	3.5M west of Singleton	Heavy vehicle inspection bay	do	2,408
Patrick Plains Greater Cessnock					
Maitland	9	Between Maitland and Muswellbrook	Widening and reconstruction	do	92,305
Patrick Plains	9	4.7M to 5.45M west of Singleton	Heavy patching	do	2,554 *
do	9	19.7M to 21.1M west of Maitland	Reconstruction	do	580
do	9	1.2M to 2.3M west of Singleton	Climbing lane	do	792
Peel	9	41.2M to 43.2M north of Murrurundi	Reconstruction and bitumen surfacing	do	11,821
do	9	Bridge over Swamp Creek 41.1M north of Murrurundi	Widening	do	30 *
do	9	Boiling Down Creek 43.37M north of Murrurundi	Culvert and approaches	do	28 *
Scone	9	11.5M north of Scone at Bosleys Gully	Widening of Culvert	do	14,454
do	9	14.4M to 15.4M north of Muswellbrook	Reconstruction bitumen surfacing and culvert widening	do	20 *
do	9	Kelly Street level crossing at Scone	Installation of "F" type signals	do	13,000
Severn	9	Stonehenge	do	do	2,784

APPENDIX NO. 7 - continued

COUNTRY MAIN ROADS FUND - GENERAL PURPOSES - continued

Summary of Payments from Department's Funds on Construction and Reconstruction Works - continued

(ii) State Highways - continued

City, Municipal or Shire Area	Road No.	Location of Work	Class of Construction	Constructing Authority	Amount
NEW ENGLAND HIGHWAY - continued					
Severn	9	16M to 20M north of Glen Innes	Heavy patching	Department	2,985
do	9	11M to 14.2M north of Glen Innes	Reconstruction and bitumen surfacing	do	11,678
do	9	7.5M to 8.3M south of Glen Innes	Reconstruction, improvement and bitumen surfacing	do	145
Tamarang	9	24.1M to 25.75M north of Murrurundi	Reconstruction and bitumen surfacing	do	58 *
do	9	Wiles Gully culvert 27.76M to 29.04M north of Murrurundi	Approaches	do	103,607
do	9	29M to 30.3M north of Murrurundi	Reconstruction and bitumen surfacing	do	349 *
do	9	Bridges over Spring and Kangaroo Creeks	Approaches	do	178
do	9	Wiles Gully 28.38M north of Murrurundi	Reinforced concrete box culvert	do	31,541
Tenterfield Shire	9	8.4M to 9.8M north of Tenterfield	Deviation	do	41,956
do	9	3M to 9.5M south of Tenterfield	Reconstruction, widening and provision of climbing lanes	do	987
Uralla	9	50.13M to 53.29M north of Tamworth	Reconstruction and bitumen surfacing	do	22,433
do	9	48.1M to 50.13M north of Tamworth	do	do	1,303
					\$682,131
PACIFIC HIGHWAY					
Bellingen	10	South arm of Bellinger River at Urunga	Reinforced concrete bridge	Department	30,720
do	10	Bridge over south arm of Bellinger River at Urunga	Approaches	do	31,054
Byron	10	Railway level crossing at Tyagarah	Installation of "F" signals	do	12,759
do	10	17.3M to 18.5M north of Bangalow	Climbing lane	do	28,874
do	10	1.4M to 1.7M south of Bangalow	Extension of climbing lanes	do	9,344
do	10	14M to 15.45M north of Bangalow	Climbing lanes	do	1,984
Byron Tintenbar	10	Skidders Creek 14M north of Ballina	Replacement of culverts and construction of approaches	do	227
Coffs Harbour Ulmarra	10	17.98M to 40.73M north of Coffs Harbour	Restoration of failed pavement	do	33,637
Coffs Harbour	10	11M to 12M north of Coffs Harbour	Reconstruction and bitumen surfacing	do	26,921
do	10	3.4M to 4.8M north of Coffs Harbour	Reconstruction	do	8,398
do	10	9.2M to 12.2M north of Coffs Harbour	Reconstruction widening and bitumen surfacing	do	147
do	10	12M to 15.02M north of Coffs Harbour	Reconstruction and bitumen surfacing	do	16,770
do	10	Pinebrush Creek 4.2M north of Coffs Harbour	Pedestrian overbridge	do	18
Gosford	10	Silvester Road to property formerly owned by A. Davison	Acees road	do	13,215
Grafton City	10	Alipou Creek 1.3M south of Grafton	Widening	do	4,261
Great Lakes	10	1M north of Bulahdelah	Improvement to crest	do	184 *
do	10	Bulga Creek to M. R. No. 506	Widening of formation and extension of culverts	do	2,138
do	10	39.4M to 42.5M north of Raymond Terrace	do	do	46,786
do	10	5.23M to 6.49M north of Bulahdelah	Climbing lane and widening of existing pavement	do	481
do	10	O'Sullivan's Gap 6M to 7.9M north of Bulahdelah	Subsoil drainage	do	28,095
do	10	10M to 11.5M north of Bulahdelah	Reconstruction and widening	do	13,394
do	10	Coolonglook Gap to Shire boundary	Widening and sealing	do	17,897
do	10	28.1M to 28.3M and 33.1M to 33.2M north of Raymond Terrace	Reconstruction of failed pavement	do	25,398
do	10	Intersection with north arm Cove Road	Improvement	Council	491
Hastings	10	Wilson River at Telegraph Point	Prestressed concrete bridge	Department	1,178,892
do	10	Telegraph Point to Barrie's Creek	Deviation	do	93 *
do	10	Intersection with Oxley Highway	Improvement	do	18,621
do	10	Bridge over Wilson River at Telegraph Point	Northern approach	do	137,421

*Credit.

APPENDIX NO. 7 - continued

COUNTRY MAIN ROADS FUND - GENERAL PURPOSES - continued

Summary of Payments from Department's Funds on Construction and Reconstruction Works - continued

(II) State Highways - continued

City, Municipal or Shire Area	Road No.	Location of Work	Class of Construction	Constructing Authority	Amount
PACIFIC HIGHWAY - continued					
Hastings	10	Southern approach to Wilson River 55.38M north of Taree	Reinforced concrete box culvert	Department	4,845 *
do	10	Southern approach to Wilson River 55.02M north of Taree	do	do	1,963
do	10	Blackmans Point Ferry	Widening of approaches	do	360 *
do	10	Southern approach to Wilson River 55.19M north of Taree	Reinforced concrete box culvert	do	5,988
do	10	Barrie's Creek 62.4M north of Taree	do	do	51,774
Hastings Macleay	10	Smith Creek Bridge 65.46M north of Taree	Widening	do	19,169
Kempsey	10	Approaches to bridge over Macleay River	Channelisation and medians	Council	4,196
Maclean	10	Clarence River at Harwood	Steel and concrete bridge	Department	100,000
do	10	Bridge over Clarence River at Harwood	Restoration of approaches	do	3,826
do	10	13.92M to 14.26M north of Maclean	Heavy patching	do	17,378
do	10	10.47M to 12.42M north of Maclean	do	do	72,382
do	10	Northern approach to Harwood Bridge	Restoration	do	10,272
Macleay	10	9M to 12.9M north of Kempsey	Reconstruction and bitumen surfacing	do	597 *
do	10	9M to 12.9M north of Kempsey	do	do	3,624
do	10	Northern approach to Smiths Creek Bridge 65.5M from Taree	Widening of culvert	do	10,067
Manning	10	Moorland	Railway overbridge and approaches	do	41,146
Nambucca	10	Teague Creek 6M north of Macksville	Prestressed concrete bridge	do	2,221
do	10	Newee Creek 0.7M north of Macksville	do	do	10,799
do	10	Lower Warrell Creek 2M south of Macksville	do	do	10,619
do	10	Lower Warrell Creek, 32.6M to 34.4M north of Kempsey	Deviation	do	47,965
do	10	0M to 2.2M north of Macksville	do	do	73,900
do	10	Teague Creek Bridge	Approaches	do	12,818
Newcastle	10	Kooragang Island railway overbridge to Wallsend Road	Reconstruction	Council	2,595 *
Port Stephens	10	2.3M to 2.5M and 7.0M to 7.3M north of Raymond Terrace	Reconstruction of failed pavement	Department	18,152
do	10	7.78M to 11.16M north of Raymond Terrace	Reconstruction and bitumen surfacing	do	3,403
Taree	10	Intersection with Cowper Street, Taree	Improvement	Council	33,000
do	10	Racecourse to Dawson River, 2.11M to 2.61M north of Taree	Elimination of flooding	Department	68,359
Tintenbar	10	Richmond River at Wardell	Reconstruction of dolphin and fender system	do	8,157
do	10	6M to 7.57M north of Ballina	Reconstruction and bitumen surfacing	do	81,771
do	10	9M to 11M south of Ballina	Heavy patching	do	16,909
do	10	2M to 4M south of Ballina	do	do	42,147
do	10	10M to 12M north of Ballina	Reconstruction and bitumen surfacing	do	8,031
Tweed	10	4.38M to 5.97M south of Murwillumbah	Climbing lanes	do	14,018
do	10	6.98M to 8.45M south of Murwillumbah	do	do	3,985
do	10	6.98M to 8.45M south of Murwillumbah	do	do	53
do	10	4.38M to 5.97M south of Murwillumbah	do	do	2,066
do	10	Tumbulgum, 5.5M to 7M north of Murwillumbah	Deviation	do	3,627
do	10	9.8M to 12.2M north of Murwillumbah (Oak Avenue)	Reconstruction and bitumen surfacing	do	83,347
do	10	2.1M north of Murwillumbah	Deviation	do	76
do	10	River Terrace to Pacific Lane North Murwillumbah	Reconstruction	Council	198 *
Ulmarras Maclean	10	Various sections north of Grafton and Maclean	Heavy patching	Department	9,806 *
Ulmarras	10	0M to 10.3M north of Grafton	Widening and asphaltic concrete surfacing	do	7,601
Wyong	10	7.6M to 8.3M north of Gosford	Reconstruction and widening	do	57,213 *
do	10	Railway overbridge to North Road, Wyong	Dual carriageway	do	2,305 *

APPENDIX NO. 7 - continued

COUNTRY MAIN ROADS FUND - GENERAL PURPOSES - continued

Summary of Payments from Department's Funds on Construction and Reconstruction Works - continued

(ii) State Highways - continued

City, Municipal or Shire Area	Road No.	Location of Work	Class of Construction	Constructing Authority	Amount
PACIFIC HIGHWAY - continued					
Wyong	10	11.5M to 12.5M north of Gosford	Widening of culverts	Department	54
do	10	Craigie Avenue Kanwal 17M and 18M north of Gosford	Heavy patching in climbing lane	do	13,515
do	10	Ourimbah Creek 7.91M north of Gosford	Steel and reinforced concrete bridge	do	130
do	10	Bridge over Bangalow Creek 7.39M north of Gosford	Widening	do	3,166
					<u>\$2,635,847</u>
OXLEY HIGHWAY					
Coonabarabran	11	Dog Trap Gully 3.6M east of Coonabarabran	Reinforced concrete box culvert	Department	4,127
do	11	24.8M to 28.6M east of Coonabarabran	Widening of shoulders on selected lengths	do	40,099
do	11	7.6M to 10.04M south of Coonabarabran	Construction of approaches to new bridge over Belar Creek	do	2,163
do	11	1.6M to 10.0M east of Coonabarabran	Widening of shoulders on selected lengths	do	40,703
do	11	39M to 42M east of Coonabarabran	Reconstruction and realignment	do	10,910
Hastings	11	Ellenborough River at Ellenborough	Prestressed concrete bridge	do	103,671
do	11	Bridge over Ellenborough River at Ellenborough	Approaches	do	24,080
do	11	Kings Creek Bridges 10.7M west of Port Macquarie	do	do	1,988
do	11	Bridge over Moripo Creek 11.5M west of Wauchope	do	do	980 *
do	11	Kings Creek, 10.81M west of Port Macquarie	Reinforced concrete bridge and approaches	do	1,011
Liverpool Plains	11	4.3M to 7.25M west of Gunnedah	Reconstruction and bitumen surfacing	Council	12,611
do	11	12M to 21.5M west of Gunnedah	Widening of shoulders	do	20,000
Peel	11	Selected lengths west of Tamworth	Widening of shoulders	do	20,000
do	11	18.4M to 19.6M west of Tamworth	Reconstruction and bitumen surfacing	do	67,000
do	11	17M to 22M west of Tamworth	do	do	24,000 *
Port Macquarie	11	Hollingworth Street to Hindman Street Port Macquarie	do	do	924
Tamworth	11	Church Street to Dennison Street Tamworth	Construction of median	do	1,500
Walcha	11	Tia River, 22.2M east of Walcha	Prestressed concrete bridge	Department	1,189
do	11	Stony Creek 13.3M east of Walcha	do	do	165 *
do	11	2.76M to 5M east of Walcha	Reconstruction and bitumen surfacing	do	3
do	11	30M to 34M east of Walcha	do	do	124,987
do	11	7M to 10M east of Walcha	do	do	144
do	11	12.53M to 15M east of Walcha	do	do	4,419
do	11	17.4M to 24M east of Walcha	do	do	31,132 +
Warren	11	Sandy Creek 7M north of Nevertire	Reinforced concrete bridge	do	63,578
do	11	Gunningbar Creek, 0.5M south of Warren	Steel and concrete bridge	do	121,195
do	11	Gunningbar Creek 12M to 13.15M north of Nevertire	Deviation including approaches	do	91,570
					<u>\$763,859</u>
GWYDIR HIGHWAY					
Boomi	12	Cowbail Creek 28.6M west of Moree	Prestressed concrete bridge and approaches	Council	1,123
do	12	29.8M to 32.1M west of Moree	Reconstruction and bitumen surfacing	Department	405

+ For additional expenditure see Appendix No. 5

APPENDIX NO. 7 - continued

COUNTRY MAIN ROADS FUND - GENERAL PURPOSES - continued

Summary of Payments from Department's Funds on Construction and Reconstruction Works - continued

(ii) State Highways - continued

City, Municipal or Shire Area	Road No.	Location of Work	Class of Construction	Constructing Authority	Amount
GWYDIR HIGHWAY - continued					
Boomi	12	33.4M to 37M west of Moree	Reconstruction and bitumen surfacing	Council	5,917
Grafton City	12	T. R. No. 74 to City Boundary	Widening and re-surfacing	Department	714 *
Inverell	12	0.2M to 1.2M west of Inverell	Reconstruction and bitumen surfacing	Council	14,500
Macintyre	12	19.39M to 19.90M east of Inverell	Restoration of failed pavement	do	8,500
Nymboida	12	14M west of Grafton	Removal and restoration of slip area	Department	20,342
Severn	12	47M to 56M east of Glen Innes	Mountain type drains	do	201
do	12	Selected sections 47M to 56M east of Glen Innes	do	do	29
do	12	Selected lengths 21.6M to 51.07M east of Glen Innes	Batter protection and erection of guide posts	do	115
do	12	Gibraltar Range 40M to 56M east of Glen Innes	View points and standing areas	do	1,195
do	12	Gibraltar Range 45M to 56M east of Glen Innes	Mountain type drains	do	8,316
Yallaroi	12	6.1M to 7.0M east of Warialda	Widening	Council	10,000
do	12	24.6M to 32.7M east of Moree	Restoration of existing pavement	do	20,000
					\$89,929
STURT HIGHWAY					
Balranald	14	Murrumbidgee River at Balranald	Steel and concrete bridge	Department	212,634
do	14	41.1M to 45.6M east of Euston	Widening	do	18,697
do	14	Intersection with M. R. No. 583 at fruit inspection station	Alterations	do	4,558
do	14	12.47M to 13.85M east of Euston	Reconstruction	do	594 *
do	14	3.7M to 12.6M and 13.8M to 14.5M east of Euston	Widening	do	57,536
do	14	45.6M to 49M east of Euston	Widening and improvement of two crests	do	74,468
do	14	Bridge over Murrumbidgee River at Balranald	Approaches	do	134,864
Hay	14	12.0M to 19M and 21.0M to 27.0M west of Hay	Widening of existing formation	do	1,462
do	14	12M to 19.5M west of Hay	Reconstruction and bitumen surfacing	do	73,403
Kyeamba	14	17.26M to 18.48M west of S. H. No. 2	do	do	4,585
do	14	13.8M to 17.55M west of S. H. No. 2	Deviation	do	43,805
Mitchell	14	Bullenbung Creek 27.6M west of Wagga Wagga	Widening of bridge to 28' between kerbs	do	26,745
do	14	Bridge over Bullenbung Creek 27.6M west of Wagga Wagga	Widening of approaches	do	138
do	14	Bullenbung Creek 25.4M to 28.2M west of Wagga	Reconstruction and bitumen surfacing including approaches	do	45,933
Narrandera	14	Bridge over Poisoned Waterholes Creek 55.6M west of Wagga Wagga	Widening	do	23,832
do	14	8M to 12M east of Narrandera	Improvement to shoulders	do	32
do	14	Bridge over Poisoned Waterholes Creek 55.6M west of Wagga	Widening of approaches	do	2,208
do	14	38.98M to 43.63M west of Wagga Wagga	Reconstruction and bitumen surfacing	do	32
Wagga Wagga	14	Edward Street west to Ashmont Avenue	Deviation	Council	50,000
Wagga Wagga Mitchell	14	3.1M to 5.7M west of Wagga Wagga	Bitumen surfacing including channelisation with T. R. 78	Department	159,165
Wakool	14	10.08M to 18M east of Balranald	Reconstruction and bitumen surfacing	do	104 *
					\$933,399

APPENDIX NO. 7 - continued

COUNTRY MAIN ROADS FUND - GENERAL PURPOSES - continued

Summary of Payments from Department's Funds on Construction and Reconstruction Works - continued

(ii) State Highways - continued

City, Municipal or Shire Area	Road No.	Location of Work	Class of Construction	Constructing Authority	Amount
BARTON HIGHWAY					
Goodradigbee	15	3M to 12M south of Yass	Heavy patching	Department	27,500
					<u>\$27,500</u>
BRUXNER HIGHWAY					
Ashford	16	5.6M west of Yetman	Reinforced concrete box culvert	Council	14,811
do	16	0.5M to 5M west of Bonshaw	Reconstruction and bitumen surfacing	Department	20 *
do	16	0.5M to 4M east of Bonshaw	do	do	83
do	16	10M to 14M east of Bonshaw	do	do	837
do	16	4M to 10M east of Bonshaw	do	do	7,607
do	16	5M to 17.9M west of Bonshaw	Deviation	do	5,421
do	16	3M to 6.95M west of Yetman	Reconstruction and bitumen surfacing	Council	164,797
do	16	Bridge over Middle Creek 31.6M west of Bonshaw	Approaches	do	5,501 *
do	16	New bridge over Browns Creek 27.7M west of Bonshaw	do	do	1,137 *
Casino	16	38.7M to 40.0M and 40.03M to 40.9M from Ballina	Strengthening	do	330 *
Gundurimba	16	22.7M to 23.8M west of Ballina	Reconstruction and bitumen surfacing	do	10,000
Kyogle	16	Deep Creek 16.7M west of Casino	Erosion protection	Department	7
do	16	Piora Bridge at Deep Creek 14M west of Casino	Reinforced concrete bridge and approaches	do	164,109
Tenterfield Shire	16	Sandy Creek 48.9M west of Tenterfield	Reinforced concrete box culvert	do	49
do	16	Ti-Tree Creek 5.2M east of Drake	Steel and concrete bridge	do	6,225
do	16	Gulf Creek 48.8M west of Tenterfield	Reinforced concrete box culvert	do	24
do	16	25M to 27M east of Bonshaw	Reconstruction and bitumen surfacing	do	80,727
do	16	36M to 42M west of Tenterfield	do	do	4,250
do	16	42M to 50M west of Tenterfield	do	do	19,469 *
do	16	20M to 23M east of Bonshaw	do	do	146,282
do	16	23M to 25M east of Bonshaw	do	do	169,368
do	16	29M to 32M west of Tenterfield (Mole Descent)	do	Council	174,300
do	16	31.6M to 32.6M east of Tenterfield	do	do	4,863
do	16	Tabulam to Drake	Restoration of slips	Department	10,374
do	16	Black Creek Billabong 52.8M west of Tenterfield	Reinforced concrete box culvert	do	4,969
do	16	Black Creek 51.74M west of Tenterfield	do	do	14,686
Tintenbar	16	12.6M to 12.9M west of Ballina	Realignment	Council	3,274
Tomki	16	Tomki Creek 6.7M east of Casino	Reinforced concrete bridge	do	6,487 *
do	16	32.6M to 37.9M west of Ballina	Raising of pavement	do	158,603
Yallaroi	16	Scrubby Creek, 14.53M west of Yetman	Reinforced concrete box culvert and approaches	do	13,000
do	16	12.21M west of Yetman at Spring Creek	Reinforced concrete box culvert	do	2,601 *
do	16	14M to 15M west of Yetman	Reconstruction and bitumen surfacing	do	5,000
					<u>\$1,128,121</u>
NEWELL HIGHWAY					
Berrigan	17	5.4M to 7.4M north of Finley	Widening and bitumen surfacing	Department	55,564

*Credit.

APPENDIX NO. 7 - continued

COUNTRY MAIN ROADS FUND - GENERAL PURPOSES - continued

Summary of Payments from Department's Funds on Construction and Reconstruction Works - continued

(ii) State Highways - continued

City, Municipal or Shire Area	Road No.	Location of Work	Class of Construction	Constructing Authority	Amount
NEWELL HIGHWAY - continued					
Bland	17	Approaches to Scott and Mandamah Creek bridges	Bitumen sealing	Department	9,199
Boolooroo	17	Courallie Creek 16M south of Moree	Prestressed concrete bridge	do	9,164
do	17	39M to 47M north of Moree	Reconstruction and bitumen surfacing	do	68,285
do	17	19M to 29.6M north of Moree	do	do	1,547 *
do	17	62M to 72M north of Moree	do	do	25,484
do	17	47M to 54M north of Moree	do	do	56,833
do	17	Bridge over Wallon Creek	Approaches	do	457
do	17	29.6M to 39.6M north of Moree	Reconstruction and bitumen surfacing	do	57
Coolamon	17	Railway level crossing at Mirrool	Improvement to approaches	do	266
do	17	Railway level crossing at Mirrool	Improvement	do	2,199
Coonabarabran	17	58.5M to 63.5M south of Narrabri	Reconstruction and bitumen surfacing	do	6,949
do	17	67.8M to 71.5M south of Narrabri	do	do	5,111
do	17	Bridge over Billy Creek, 50.13M to 51.56M south of Narrabri	Approaches	do	6 *
do	17	Intersection with S. H. No. 11	Reconstruction	do	52,031
do	17	54.22M to 58.26M south of Narrabri	Reconstruction and bitumen surfacing	do	3,580
do	17	63.5M to 67.8M south of Narrabri	do	do	5,753
Gilgandra	17	26.6M to 31M north of Dubbo	Widen pavement and formation	do	9,892
Goobang	17	2M to 9.38M north of Parkes	Widening	do	225
do	17	10M to 17M north of Forbes	do	do	41,392
do	17	9.38M to 14.81M north of Parkes	do	do	804
Jemalong	17	7.5M to 9.0M north of Forbes		Council	46,000
do	17	5M to 7.5M north of Forbes	Pavement widening	do	65,190
Jerilderie	17	10.1M to 11.8M north of Jerilderie	Widening and bitumen sealing	Department	159 *
do	17	Bridge over Algudgerie Creek, 0.95M south of Jerilderie	Widening	do	8,059
Namoi Coonabarabran	17	37.7M to 47M south of Narrabri	Reconstruction and bitumen surfacing	do	143
Namoi	17	Spring Creek 8.5M north of Narrabri	Approaches	do	98 *
do	17	Bobbiwa Creek 10.8M north of Narrabri	do	do	1,198 *
Narrabri	17	Namoi River at Narrabri	Prestressed concrete bridge	do	167,806
Parkes	17	Clarinda Street Parkes	Reconstruction	do	301
Talbragar	17	Talbragar River at Troy	Two approach bridges	do	688 *
do	17	Golf Links Creek 1M south of Dubbo	Widening of existing culvert	do	6,941
					<u>\$643,989</u>
CASTLEREAGH HIGHWAY					
Gilgandra	18	11M to 12.5M north of Gilgandra	Strengthening of pavement prior to resealing	Department	59,420
do	18	0.2M to 2.1M north of Gilgandra	Widening and bitumen surfacing	do	346
Walgett	18	20M to 32M north of Walgett	Reconstruction and bitumen surfacing	do	2,310
do	18	32M to 44M north of Walgett	do	do	383,700
do	18	44M to 56M north of Walgett	do	do	115,364
					<u>\$561,140</u>

*Credit.

APPENDIX NO. 7 - continued

COUNTRY MAIN ROADS FUND - GENERAL PURPOSES - continued

Summary of Payments from Department's Funds on Construction and Reconstruction Works - continued

(ii) State Highways - continued

City, Municipal or Shire Area	Road No.	Location of Work	Class of Construction	Constructing Authority	Amount
MONARO HIGHWAY					
Bibbenluke	19	Native Dog Hill 13M south of Nimmitabel	Restoration of slip	Council	16,079
do	19	18.85M to 21.34M south of Bombala	Reconstruction and bitumen surfacing	do	86,857
do	19	10M to 13.5M south of Bombala	do	do	49,000
do	19	21.34M to 22.35M south of Bombala	do	do	10,000
do	19	22.35M to 22.44M south of Bombala	do	do	15,000
do	19	0.9M to 1.4M south of Bombala including intersection with T. R. 93	do	do	2,000
Bombala	19	Cunninghams Point Bridge to Southern Municipal Boundary	Heavy patching drainage and sealing of selected lengths	do	4,000
Cooma	19	Cooma Creek, Bombala Street Cooma	Prestressed concrete bridge	Department	1,364
Monaro	19	Railway level crossing at Michelago	Installation of "F" type signals	do	11,000
do	19	Railway level crossing at Colinton	do	do	14,032
do	19	Michelago to Nimmitabel	Improvements to five railway level crossings	do	128
do	19	Railway level crossing at Bredbo	Installation of "F" type signals	do	15,000
do	19	2M to 6.5M south of Cooma	Reconstruction and bitumen surfacing	do	33,140
do	19	7.8M to 10M south of Nimmitabel	do	do	4,333
					<u>\$261,933</u>
RIVERINA HIGHWAY					
Berrigan	20	4.91M to 6.32M west of Berrigan	Reconstruction and bitumen surfacing	Department	1,843
do	20	Griffith to Bendigo co-axial cable	Tree planting and establishment of hard standing areas	do	8,690
do	20	Bridge over Mulwala Canal at 3.8M east of Finley	Approaches	do	120
Deniliquin	20	3M to 5.6M east of Deniliquin	Reconstruction and bitumen surfacing	Council	8,450
					<u>\$19,103</u>
COBB HIGHWAY					
Central Darling	21	0M to 3M from S. H. No. 8	Reconstruction and bitumen surfacing	Department	162,939
do	21	3M to 8M from S. H. No. 8	do	do	3,516
Deniliquin	21	0.8M to 1.4M south of Deniliquin	do	Council	33,705
Hay	21	Murrumbidgee River at Hay	Prestressed concrete bridge	Department	255,737
do	21	Mirrool Creek 35.75M north of Hay	do	do	806
do	21	Within the township of Hay	Reconstruction and bitumen surfacing	Council	14,050
do	21	Bridge over Mirrool Creek 35.75M north of Hay	Approaches	Department	897
do	21	Bridge over Murrumbidgee River at Hay	do	do	98,817
Murray	21	16.65M to 24M north of Moama	Reconstruction and bitumen surfacing	do	1
Windouran	21	5.7M to 8.2M north of Deniliquin	Widening and realignment	Council	2,406
do	21	30M to 34.85M south of Hay	Reconstruction and bitumen surfacing	Department	14,577
do	21	27.2M to 29.2M south of Hay	do	do	1,509
					<u>\$587,166</u>

*Credit.

APPENDIX NO. 7 - continued

COUNTRY MAIN ROADS FUND - GENERAL PURPOSES - continued

Summary of Payments from Department's Funds on Construction and Reconstruction Works - continued

(ii) State Highways - continued

City, Municipal or Shire Area	Road No.	Location of Work	Class of Construction	Constructing Authority	Amount
SILVER CITY HIGHWAY					
Broken Hill	22	2.3M north of Broken Hill	Elimination of floodway	Council	2,706 *
Murray Darling Division	22	51M to 63.83M south of Broken Hill	Reconstruction and bitumen surfacing	Department	8,895 *
Wentworth	22	Four Mile Break 4.05M north of Wentworth	Prestressed concrete bridge	do	232
do	22	Bridge over Darling River at Wentworth	Approaches	do	1,938
do	22	Four Mile Break 5M north of Wentworth	Prestressed concrete bridge	do	22,120
do	22	Bridge over Tuckers Creek	Approaches	do	1,591
do	22	Tincha Creek 5.45M north of Wentworth	Prestressed concrete bridge	do	21,689
do	22	1M to 11M north of Wentworth	Reconstruction and bitumen surfacing	do	16,595
do	22	Abbotsford Bridge at Curlivaa	Approaches	do	1,248
do	22	Bridge over Four Mile Break 5M north of Wentworth	do	do	556
					<u>\$54,368</u>
STATE HIGHWAY NO. 23					
Lake Macquarie	23	Crest north of Hillsborough Road	Improvement	Council	15,377
					<u>\$15,377</u>
MOUNT LINDESAY HIGHWAY					
Kyogle	24	7.15M to 9.49M north of Woodenbong	Widening, strengthening and bitumen surfacing	Council	86,379
do	24	Intersection with T. R. No. 83 to Queensland Border	Reconstruction	do	5,000
					<u>\$91,379</u>
ILLAWARRA HIGHWAY					
Wingecarribee	25	5M to 6.5M east of Moss Vale and intersection of M. R. No. 265	Reconstruction, bitumen surfacing and improvement	Department	1,089
do	25	Black Bob's Creek 6.9M west of Moss Vale	Reinforced concrete box culvert	do	12,505
do	25	Payne's Creek 3.9M west of Moss Vale	Reinforced concrete box culvert and approaches	do	1,002
					<u>\$14,596</u>
STATE HIGHWAY NO. 26					
Gosford	26	45M to 45.3M north of Sydney	Additional northbound lane	Department	61,864
					<u>\$61,864</u>
Total - State Highways					<u>\$11,511,553</u>

APPENDIX NO. 7 - continued

COUNTRY MAIN ROADS FUND - GENERAL PURPOSES - continued
Summary of Payments from Department's Funds on Construction and Reconstruction Works - continued
(iii) Trunk and Ordinary Main Roads

City, Municipal or Shire Area	Road No.	Location of Work	Class of Construction	Constructing Authority	Amount
Abercrombie	54	23.7M to 25.7M south of Bathurst	Reconstruction and bitumen surfacing	Council	70,000
Ashford	137	13.32M to 14.11M north of Ashford	do	do	15,000
do	137	12.15M to 13.32M north of Ashford	do	do	30,000
do	137	7.07M to 10.65M north of Ashford	do	do	6,692
do	187	Smedleys Gully 43M north of Inverell	Reinforced concrete box culvert	do	79,353
Ballina	146	2.06M to 3.7M north-west of Ballina	Reconstruction, widening and bitumen surfacing	do	215
Balranald	67	70.8M to 75M north of Balranald	Reconstruction	do	57
do	67	86.2M to 90.5M north of Balranald	do	do	31,000
do	67	65.6M to 66.2M north of Balranald	do	do	5,000
Barraba	63	Intersection with M. R. No. 132	do	do	17,000
do	132	1.81M to 4.00M north-east of Barraba	Reconstruction and bitumen surfacing	do	10,000
do	132	4.00M to 6.11 north-east of Barraba	do	do	50,600
do	360	Noogera Creek 19.32M from Cobbadah	Reinforced concrete bridge	do	56,322
do	360	4.92M west of T. R. No. 63	Reinforced concrete causeway and minor realignment	do	472
Bellingen	76	Roses Creek 9.3M west of S. H. No. 10	Reinforced concrete box culvert and approaches	do	20,000
do	76	Dorrigo Mountain Pass, 0.22M to 1.28M from Thora	Improvement to alignment	do	36,300
do	76	3M to 7M west of Dorrigo	Reconstruction	do	15,000
do	120	Dorrigo to Coramba	Realignment	do	229
Berrigan	331	11.25M to 14.2M north of Berrigan	Reconstruction and bitumen surfacing	do	19,898
do	363	0.5M to 3.5M north of M. R. No. 550	do	do	21,385
do	363	0M to 2M south of Berrigan	Deviation	do	5,149
do	550	13.8M to 16M west of Corowa Shire Boundary	Reconstruction and bitumen surfacing	do	1,827
Bibbenluke	91	8.4M to 10M east of Bombala	Reconstruction	do	22,794
do	91	8.84M east of Bombala	Reinforced concrete box culvert	do	23,000
do	91	Dragon Swamp 10M east of Bombala	Steel and concrete bridge	Department	102,266
do	91	Bridge over Yellow Waterhole Creek 12.8M east of Bombala	Reinforced concrete bridge and approaches	Council	14,205
do	91	Bridge over Dragon Swamp 10M east of Bombala	Approaches	do	9,000
Bingara	133	4.6M to 6.2M west of Bingara	Reconstruction and bitumen surfacing	do	482
do	134	From 6.78M north of Bingara	do	do	45,205
do	134	From 4.37M north of Bingara	do	do	205 *
Bland	57	20.61M to 22.08M north of Temora	do	do	8,400
do	231	7.76M north of T. R. No. 57	Reinforced concrete box culvert and approaches	do	20,000
do	398	0.3M to 7.7M south-west of T. R. No. 57 at Barmedman	Reconstruction and bitumen surfacing	do	22,082
do	398	2.03M to 7.69M south-west of T. R. No. 57 at Barmedman	Surface course gravelling and bitumen surfacing	do	46,100
do	398	0.17M to 4.97M east of Barmedman	Reconstruction and bitumen surfacing	do	5,221
Blaxland	55	Smalls Creek 33.3M north of Lithgow	Prestressed concrete bridge and approaches	do	2,665
do	55	16M to 19.5M north of Lithgow	Reconstruction and bitumen surfacing	Department	19
do	55	5.1M to 5.7M north of Lithgow	do	do	117,972
do	55	9.2M to 12.1M north of Lithgow	do	do	10,600
do	253	18.72M to 19.67M west of Katoomba	do	do	38,355
do	531	Railway level crossing at Wallerawang	Installation of "F" type signals	do	9,000
do	531	2.9M to 3.1M north of S. H. No. 5	Reinforced concrete box culverts	Council	2,472
do	531	5.2M to 6.4M north of S. H. No. 5	Reconstruction and bitumen surfacing	do	951 *
do	531	2.3M to 3.3M north of S. H. No. 5	do	do	33,951
Bogan	57	15.08M to 17M south of S. H. No. 7 at Nyngan	do	do	18,064
do	57	11.91M to 15.08M south of Nyngan	do	do	38,000
do	70	0.11M to 5.44M from S. H. No. 7	Reconstruction	do	33,600
do	204	Duck Creek 21.8M north of Nyngan	Reinforced concrete bridge	do	883 *

*Credit.

APPENDIX NO. 7 - continued

COUNTRY MAIN ROADS FUND - GENERAL PURPOSES - continued

Summary of Payments from Department's Funds on Construction and Reconstruction Works - continued

(iii) Trunk and Ordinary Main Roads - continued

City, Municipal or Shire Area	Road No.	Location of Work	Class of Construction	Constructing Authority	Amount
Bogan	424	0.1M to 5.4M from S.H. No. 7	Reconstruction	Council	4,888
Boolooroo	232	5.3M to 6.3M north of Moree	Reconstruction and bitumen surfacing	do	23,599
do	232	1.68M to 2.83M north of Moree	do	do	29,375
Boomi	232	40.04M to 42M north of Moree	do	do	3,500
do	367	60.8M to 63.6M north of Moree	do	do	51,507
Boorowa	56	Woolpack Creek 18.5M north of Boorowa	Six span reinforced concrete bridge	do	20,000
do	56	20.5M to 22M north of Boorowa	Reconstruction and bitumen surfacing	do	8,276
do	56	23.4M to 24.5M north of Boorowa	Reconstruction	do	23,000
do	56	20.44M to 22M north of Boorowa	Fencing, survey and acquisition	do	510
do	56	18.3M to 22M north of Boorowa	Gravelling and bitumen surfacing	do	2,048
do	56	22M to 28.79M north of Boorowa	Reconstruction and bitumen surfacing	do	27,000
Boree	61	Meranburn level crossing 2.15M west of Manildra	Installation of "F" type signals	Department	7,113
Bourke	68	Bogan River Bridge to Brewarrina Shire Boundary	Gravel sheeting	Council	10,700
do	404	7M to 12M west of Bourke	Reconstruction and bitumen surfacing	do	31,401
Brewarrina	70	8.3M to 12M north of Brewarrina	do	do	11,421
Burrangong	78	9.45M to 13.2M and 16.75M to 18.5M north from Young	do	do	20,000
do	239	Burrangong Creek at 12M north of Young	Reinforced concrete bridge	do	51,000
do	241	21M to 23M west of Young	Reconstruction and bitumen surfacing	do	3,072
do	241	23M to 24.35M west of Young	do	do	16,928
Byron	65	Belongil Creek 2.63M east of S.H. No. 10 at Ewingsdale	Prestressed concrete bridge and approaches	do	10,000
do	65	Between Byron Bay and Ewingsdale	Strengthening and bitumen surfacing	do	30,419
do	65	26.5M to 28.0M from Lismore	Deviation	do	23,300
do	524	5.3M from S.H. No. 10	Reinforced concrete box culvert	do	1,190 *
Camden	259	Municipal Boundary to Hume Highway	Deviation including culverts	Department	371,049
Canobolas	526	7.5M to 8.8M south of Orange	Reconstruction and bitumen surfacing	Council	17,200
do	573	Calula Creek 17.8M north of Orange	Reinforced concrete bridge and approaches	do	767 *
do	573	15M to 19.2M north of Orange	Reconstruction and bitumen surfacing	do	14,839
Carrathool	80	17.68M to 22.5M south of Hillston	do	do	3,570
Central Darling	433	19.6M west of Darnick	do	do	2,497
do	433	43M to 51M west of Darnick	do	do	45,000
Cobar	61	26M to 36M south of Cobar	Reconstruction	do	2,822
do	61	26M to 36M south of Cobar	Gravelling and bitumen surfacing	do	5,151
Cockburn	63	15.25M to 16.57M north of Tamworth	Reconstruction and widening	do	49,300
Coffs Harbour	151	35.81M to 36.70M south of Grafton	Reconstruction and bitumen surfacing	do	26,700
do	151	32.5M to 33M south of Grafton	do	do	7,445
do	151	37M to 38M south of Grafton	do	do	3,132
do	151	40.67M to 42.3M south of Grafton	do	do	3,335 *
Colo	181	0M to 1M north of Webbs Creek Ferry	do	do	5,000
do	182	Addy's Creek	Reinforced concrete bridge	do	53,842
do	503	9.68M to 10.02M north of Windsor	Reconstruction	Department	190,216
do	503	Roberts Creek to Colo River	Heavy patching and subsoil drainage	do	18,769
do	503	9M to 9.68M north of Windsor	Reconstruction	do	655 *
Conargo	552	27.6M to 32M north of Deniliquin	Reconstruction and bitumen surfacing	Council	11,418
Coolah	55	Muddy Gully 8.9M north of Coolah	Reinforced concrete box culvert	do	30,400
do	55	8.1M to 9M north of Coolah including box culvert at 8.2M	Reconstruction and bitumen surfacing	do	15,000
do	55	4.2M to 5M north of Coolah	do	do	329
do	55	5M to 6.8M north of Coolah	do	do	130 *
do	55	6.8M to 9M north of Coolah	do	do	13,000
do	77	Merrygoen Creek at Wongoni Crossing 19.5M from T. R. No. 55	Prestressed concrete bridge	do	51,000

APPENDIX NO. 7 - continued

COUNTRY MAIN ROADS FUND - GENERAL PURPOSES - continued

Summary of Payments from Department's Funds on Construction and Reconstruction Works - continued
(iii) Trunk and Ordinary Main Roads - continued

City, Municipal or Shire Area	Road No.	Location of Work	Class of Construction	Constructing Authority	Amount
Coolah	206	Sandy Creek 15.4M west of Dunedoo	Reinforced concrete bridge	Council	30,000
do	334	5.8M to 10.3M north of Mendooran	Reconstruction	do	23,004
Coolamon	240	Intersection with M. R. No. 243	do	do	712
do	240	Cowabbie Creek, 20M north of Coolamon	Reinforced concrete bridge and approaches	do	30,000
do	398	0M to 2M north of M. R. No. 240	Reconstruction and bitumen surfacing	do	3,169 *
do	398	2M to 4.4M north of M. R. No. 240	do	do	40,000
Coonabarabran	55	18.5M to 33.5M north of Coolah	do	do	43,000
do	129	4.5M north of Coonabarabran	Railway overbridge	Department	30,000
do	129	15.5M east of Coonabarabran	Reinforced concrete box culvert and approaches	Council	47,000
do	129	18.0M to 19.2M east of Coonabarabran	Reconstruction and bitumen surfacing	do	24,000
do	329	6.9M to 10.9M north of Baradine	do	do	889
Coonamble	205	12.6M to 16.6M east of Coonamble	do	do	8,199
Cootamundra & Jindalee	78	Cootamundry Creek 1.37M south of Cootamundra	Steel and concrete bridge and approaches	do	10,445 *
Copmanhurst	83	Mill Creek 14.85M north of Grafton	Reinforced concrete box culvert and approaches	do	50,000
do	83	Sheep Creek 21.52M north of Grafton	Prestressed concrete bridge and approaches	do	20,000
do	83	13.54M north of Grafton	Reinforced concrete bridge and approaches	do	260
do	83	At 36.55M, 36.59M and 36.64M north of Grafton	Reinforced concrete box culverts	do	4,567 *
do	150	65.1M to 65.6M north of Grafton	Re-alignment	do	436
do	150	46.8M to 48.8M north of Grafton	Reconstruction and bitumen surfacing	do	15,500
do	150	7.3M to 9.4M north of Grafton	do	do	8,000
do	151	Alumny Creek 8.05M from Grafton	Prestressed concrete bridge	do	752 *
Corowa	331	3M to 6M west of Daysdale Section 2	Reconstruction and bitumen surfacing	do	36,107
do	331	East of M. R. No. 131 at Daysdale Section 1	Reconstruction	do	102 *
do	331	3M to 5.42M east of M. R. No. 131	Reconstruction and bitumen surfacing	do	2,092
Crookwell	54	21.28M to 23.45M north of Goulburn	Gravelling and bitumen surfacing	do	19,000
do	201	12.65M to 14M north of Crookwell	Reconstruction and bitumen surfacing	do	31,839
do	247	6.25M to 8M east of Crookwell	do	do	1,688
Crookwell & Boorowa	248	Lachlan River at Narrawa	Steel and concrete bridge	do	60,000
Cudgegong	208	12.8M to 13.8M north of Mudgee	Reconstruction and bitumen surfacing	do	1,520
do	208	12.8M to 13.8M north of Mudgee	do	do	2,796
do	214	Sportsmans Hollow Creek at Ulan	Reinforced concrete bridge	do	1,779
do	214	16.5M to 17.9M north of Mudgee	Surface course gravelling and bitumen surfacing	do	9,600
do	214	17.8M to 18.8M north of Mudgee	Reconstruction and bitumen surfacing	do	4,326
do	214	16.3M to 17.2M north of Mudgee	do	do	150
do	214	16.5M to 17.8M north of Mudgee	Gravelling and bitumen surfacing	do	486
do	216	11.5M to 12.5M south of Mudgee	Reconstruction and bitumen surfacing	do	19,000
do	216	10.1M to 11.0M south of Mudgee	do	do	1,861
Demondrille	84	2.8M to 3.6M west of Murrumburrah	Widening and curve improvement	do	25,030
do	84	1.8M to 2M west of Murrumburrah	Reconstruction and bitumen surfacing	do	5,094
do	84	1.6M to 2.8M east of Murrumburrah	do	do	41,700
do	84	4.5M to 5M east of Murrumburrah	Reconstruction	do	2,931
do	380	11.9M to 13.2M east of Murrumburrah	Reconstruction and bitumen surfacing	do	297 *
do	380	Railway level crossing at Cunnigar	Installation of "F" type signals	Department	12,000
do	380	Railway level crossing at Cunnigar	Improvements	Council	13 *
Deniliquin	388	Henry Street to Ochertyre Street	Reconstruction and bitumen surfacing	do	9,257
Denman	209	1.3M to 3M from Muswellbrook	do	do	7,862
do	213	11.6M to 14.1M from Jerry's Plains	do	do	2,975
do	213	4.8M to 6.3M from Jerry's Plains	do	do	3,340
do	213			do	43,000

APPENDIX NO. 7 - continued

COUNTRY MAIN ROADS FUND - GENERAL PURPOSES - continued
Summary of Payments from Department's Funds on Construction and Reconstruction Works - continued
(iii) Trunk and Ordinary Main Roads - continued

City, Municipal or Shire Area	Road No.	Location of Work	Class of Construction	Constructing Authority	Amount
Dungog	128	12.32M to 14.3M from M. R. No. 101	Reconstruction and bitumen surfacing	Council	59
do	289	1.4M from M. R. 101 towards Great Lakes Shire Boundary	do	do	30,624
Eurobodalla	271	2.5M to 10.5M west of Moruya	Reconstruction	do	3,815
do	271	12.5M west of Moruya	Pipe culvert	do	45,222
do	271	Coopers Creek, 17.5M from Moruya	Reinforced concrete bridge	do	4,226 *
do	560	Joe's Creek, 1.24M to 1.53M from Batemans Bay	Reinforced concrete box culvert and approaches	do	154
Gilgandra	77	17M to 20M east of Gilgandra	Reconstruction and bitumen surfacing	do	12,500
do	77	10.4M to 13.4M east of Gilgandra	do	do	2,856
do	77	13.4M to 15.4M east of Gilgandra	do	do	9,606
do	77	5.25M to 9.75M east of Gilgandra	do	do	216 *
do	77	15.4M to 18M east of Gilgandra	do	do	25,000
do	205	Tooraweenah Creek 2.3M north of Oxley Highway	Reinforced concrete bridge	do	10,000
Gloucester	90	2.1M to 3.4M east of Gloucester	Reconstruction and bitumen surfacing	do	20,500
Goobang & Lachlan	57	Bridge over Bullock Creek 0.5M west of Tullamore	Approaches	do	5,750
Goobang	61	Gunningbland Creek at Carlachy	Prestressed concrete bridge and approaches	do	27,500
do	233	Back Goobang Creek 9M north of Parkes	Reinforced concrete box culvert	do	16,613
do	233	Culvert at Back Goobang Creek 9M north of Parkes	Approaches	do	30,000
do	233	7.8M to 10.8M north of Parkes	Reconstruction and bitumen surfacing	do	9,037
Goodradigbee	56	13.5M to 13.9M north of Yass	do	do	4,760
do	56	Boorowa River 14.4M north of Yass	Steel and concrete bridge and approaches	do	67,472
do	249	2.8M to 3.8M south of Gundaroo	Reconstruction and bitumen surfacing	do	26,000
do	249	3.8M to 4.8M south of Gundaroo	do	do	164 *
do	278	8.1M to 9.3M south of Hume Highway	do	do	14,000
do	278	8.1M to 9.3M south of Hume Highway	do	do	1,518 *
Gosford	336	4.2M to 7.7M east of Erina Creek	do	do	384 *
do	349	Bridge over Brisbane Waters at The Rip	Approaches	do	76,600
Goulburn	54	0.98M to 1.57M west of Goulburn - Newton St. intersection	Reconstruction and bitumen surfacing	do	75 *
do	54	1.05M to 1.21M west of Goulburn	do	do	2,700
do	248	0.86M to 0.9M from Goulburn	Reconstruction and full width sealing	do	179 *
do	256	2.17M to 2.35M from Goulburn	do	do	2,214
Grafton	74	2.42M to 2.94M south of Grafton	Reconstruction and bitumen surfacing	do	1,010
Great Lakes	111	1.37M to 3.5M south of Forster	do	do	12,548
do	111	Through town of Forster	Relocation	do	20,000
Greater Cessnock	181	0.45M to 0.73M south of Wollombi	Bitumen surfacing	do	3,982 *
do	181	0.73M to 2M from M. R. No. 218	Reconstruction and bitumen surfacing	do	7,590 *
do	181	2M south of Wollombi to M. R. No. 223	do	do	8,514 *
do	181	Between Wollombi and 3M south	Completion of fencing and land acquisitions	do	16,104
do	181	Junction with M. R. No. 218 to Hawkins Bridge	Reconstruction and bitumen surfacing	do	784
do	195	Swamp Creek 1.55M north of Kurri Kurri (Homestead Bridge)	Reinforced concrete bridge	do	35,000
do	195	Lang Street to Railway Street, Kurri Kurri	Reconstruction and widening	do	8,217
do	195	Lang Street Kurri Kurri to Homestead Bridge	Reconstruction	do	14,480
do	218	Lynch's Creek 17.3M west of Cessnock	Reinforced concrete bridge	do	28,000
do	220	3.3M south of Cessnock	Elimination of causeway	do	1,781
Gundagai	279	3.1M to 5.1M south of Gundagai	Reconstruction and bitumen surfacing	do	17,000
do	279	8.2M to 10.35M south of Gundagai	do	do	60,000
Gundurimba	65	2.9M to 4.7M from Lismore	Restoration of failed pavement	do	7,730
do	146	13.30M to 14.39M from State Highway No. 10	Reconstruction and bitumen surfacing	do	2,270
do	147	11.3M to 12.68M from Woodburn	do	do	35,000
do	147	9.55M to 11.68M from Woodburn	do	do	10,000
do	555	Tomki Creek, 14.67M from Wardell	Reinforced concrete bridge	do	872 *
Gunnedah	72	Intersection at 0.73M south of Gunnedah	Reconstruction and improvement	do	3,539*
Gunning	249	6M to 8M south of Gunning	Reconstruction and bitumen surfacing	do	2,429
do	249	8M to 19M south of Gunning	do	do	520
Guyra	73	Hawkins Gully 17.35M south of Inverell	Reinforced concrete box culvert	do	2,000

* Credit.

APPENDIX NO. 7 - continued

COUNTRY MAIN ROADS FUND - GENERAL PURPOSES - continued
Summary of Payments from Department's Funds on Construction and Reconstruction Works - continued
(iii) Trunk and Ordinary Main Roads - continued

City, Municipal or Shire Area	Road No.	Location of Work	Class of Construction	Constructing Authority	Amount
Guyra	73	16.15M south of Inverell	Reinforced concrete pipe culvert	Council	2,379
do	135	9.0M to 11.0M west of Guyra	Reconstruction and bitumen surfacing	do	582
do	135	11M to 12.35M west of Guyra	do	do	5,167
Hastings	112	Junction with M. R. No. 538 towards Wauchope	do	do	16,000
do	112	7.2M to 8.25M south of Oxley Highway	do	do	14,000
do	538	Camden Haven River at Kendall	Reinforced concrete bridge	do	390
do	538	Railway level crossing at Kendall	Installation of "F" type signals	do	2,160
Hay	514	33.95M to 37.4M west of Cobb Highway	Reconstruction and bitumen surfacing	do	32,000
do	514	33.95M to 37.55M west of Hay	do	do	4,905
do	514	29.8M to 33.25M west of Cobb Highway	do	do	6,022
Holbrook	331	22.6M to 23.6M east of Holbrook	Reconstruction	do	10,680
do	331	17.8M to 22.6M east of Holbrook	do	do	21,000
do	331	23.6M to 26.1M east of Holbrook	do	do	25,000
do	331	26.1M to 28.6M east of Holbrook	Reconstruction and bitumen surfacing	do	5,500
Hume	547	17.47M to 18.42M north of Albury	do	do	13,868
do	547	14.1M to 17.6M north of Albury	do	do	688 *
do	547	18.42M to 21.91M north of Albury	do	do	29,033
Illabo	78	18.8M to 20.9M north of Wagga Wagga	do	do	43,533
do	78	17.95M to 18.8M north of Wagga Wagga	do	do	5,333 *
do	78	13.7M to 15.35M north of Wagga Wagga	do	do	3,682
do	78	Hart's Creek 18.9M north of Wagga Wagga	Reinforced concrete box culvert	do	31,000
Imlay	275	Tylers Creek 3.5M west of Princes Highway	Reinforced concrete bridge and approaches	do	4,057
Jernalong	61	Ootha 18.5M east of Condobolin	Railway overbridge	Department	6,125
do	61	Railway overbridge at Ootha 18.5M east of Condobolin	Approaches	Council	2,317 *
do	238	10M to 12M from Eugowra	Reconstruction and bitumen surfacing	do	4,000
Jerilderie	323	12.1M to 20.1M west of Newell Highway	do	do	13,000
do	596	4.1M to 5.2M east of M. R. No. 321	do	do	10,661
do	596	0M to 4.1M east of M. R. No. 321	do	do	30,169
do	596	5.2M to 6.5M east of M. R. No. 321	do	do	17,800
Jindalee	78	2.31M to 2.74M and 3.86M to 15.23M north of Cootamundra	Widening to 34' formation and gravelling of shoulders	do	41,845
do	78	5.36 to 6.36M north of Cootamundra	Reconstruction and widening	do	1,151
do	84	Through village of Wallendbeen	Reconstruction	do	5,000
do	84	Bland Creek at Stockinbingal	Prestressed concrete bridge and approaches	do	130,000
Kempsey	198	Intersection of Rudder and Bissett Streets	Reconstruction and bitumen surfacing	do	10,000
Kiama	264	9M to 12.5M from S. H. No. 1	do	do	3,000 *
do	264	Mountain Pass 9.19M to 9.9M west of Kiama	do	do	60,270
Kyeamba & Mitchell	78	Sandy Creek at Uranquinty	Reinforced concrete bridge and approaches	do	48,000
Kyeamba	211	Sandy Creek, 12.6M south of Wagga Wagga	Reinforced concrete box culvert and approaches	do	1,150
do	211	9.93M to 11.28M south of Wagga Wagga	Reconstruction and basecourse gravel surfacing	do	33,354
do	211	14.4M to 15M south of Wagga Wagga	Reconstruction and widening	do	8,800
do	384	Railway level crossing at Ladysmith	Widening	Department	1,138
do	384	21.96M to 25.51M from Wagga Wagga	Reconstruction and bitumen surfacing	Council	1,400
do	384	10.55M to 12.26M from Wagga Wagga	Reconstruction	do	411 *
Kyogle	83	Fairymount Creek 17.9M north of Casino	Prestressed concrete bridge and approaches	do	6,580
do	83	Black Gully, 14.13M north of Casino	Reinforced concrete bridge and approaches	do	71,184
do	83	3.05M to 6.32M north of Kyogle	Reconstruction and bitumen surfacing	do	65,000
do	83	Railway viaducts at 0.3M, 9.4M and 9.95M north of Kyogle	Clearance increase	do	1,480
do	361	Bottle Creek 36.5M from Woodenbong	Reinforced concrete bridge and approaches	do	15,000
do	361	Bottle Creek 36.5M from Woodenbong	Installation of "F" type signals	Department	5,936

APPENDIX NO. 7 - continued

COUNTRY MAIN ROADS FUND - GENERAL PURPOSES - continued
Summary of Payments from Department's Funds on Construction and Reconstruction Works - continued
(iii) Trunk and Ordinary Main Roads - continued

City, Municipal or Shire Area	Road No.	Location of Work	Class of Construction	Constructing Authority	Amount
Lachlan	231	27.9M to 33.9M from Lake Cargelligo	Bitumen surfacing	Council	2,311 *
Lake Macquarie	217	Bridge over Cockle Creek	Approaches	do	197,380
do	217	Teralba to Fennell Bay	Deviation	do	131,031
do	217	Intersection with Rutley's Road near Wyee	Improvement	do	9,186
do	325	Chilcott Street, Warners Bay	Deviation	do	2,184
do	509	Railway overbridge at Wyee	Approaches	do	805 *
Leeton	80	9.05M to 9.92M west of Leeton	Reconstruction and bitumen surfacing	do	28,722
do	80	6.0M to 7.54M west of Leeton	do	do	10,700
do	80	18.42M to 20.95M west of Leeton	do	do	7,156
do	80	7.5M to 9.5M west of Leeton	do	do	31,980
Liverpool Plains	55	11.4M to 13.9M south of Mullaby	do	do	11,997
Lockhart	59	38.72M to 39.45M from Wagga Wagga	Reconstruction and widening	do	417
do	78	19.83M to 22.28M south of S. H. No. 14	Reconstruction and bitumen surfacing	do	34,500
do	78	19.8M to 20.7M south of S. H. No. 14	do	do	5,000
do	370	Brookong Creek at Lockhart	Pre-cast concrete box culvert	do	15,990
Lyndhurst	246	3.9M to 5.1M south of Newbridge	Reconstruction and bitumen surfacing	do	19,500
do	246	2.0M to 3.6M from Newbridge	do	do	5,000
do	246	3.1M to 3.9M south of Newbridge	do	do	3,000
Macintyre	135	22.7M to 23.7M from Gilgai	do	do	667 *
do	135	23.7M to 25M south of Inverell	do	do	9,667
do	136	6M to 7M north of Inverell	do	do	15,000
Maclean	151	Beyond 23.25M from Grafton	do	do	658 *
do	151	24.69M to 24.9M north of Grafton	do	do	10,000
do	152	11.6M to 13.2M from M. R. No. 151	do	do	20,000
Macleay	75	26.53M to 29.57M west of Kempsey	do	do	21,500
do	75	29.57M to 32M west of Kempsey	do	do	14,250
do	556	Bridge over Macleay River at Smithtown	Approaches	do	201,000
do	556	Bridge over Macleay River at Smithtown	Sealing of deck joints and asphaltic concreting of deck	Department	12,779
do	556	Macleay River at Smithtown	Reinforced and prestressed concrete bridge	do	529,790
Maitland	104	Hunter River at Raymond Terrace	Reinforced concrete bridge	do	81
do	218	Bonar Street to Steam Street Maitland	Reconstruction and bitumen surfacing	Council	30,000
Manning	90	27.9M to approximately 29.0M west of Purfleet	do	do	4,470
do	90	Whooribee Creek 28.7M west of Purfleet	Reinforced concrete bridge	do	363 *
do	90	Belbora Creek 31.1M west of Purfleet	do	do	4,037
Merriwa	62	Borambil Creek, 21.8M to 22.8M west of Merriwa	Reinforced concrete box culvert and approaches	do	18,000
do	62	20M to 23.6M west of Merriwa	Reconstruction and bitumen surfacing	do	35,000
Mitchell	240	Houlaghan's Creek 9.5M north of Wagga	Reinforced concrete bridge and approaches	do	30,000
do	543	29.31M to 32.52M north of The Rock	Reconstruction and bitumen surfacing	do	25,000
do	543	3.65M to 5.3M north of Old Narrandera Road	do	do	5,502
Molong	233	28.6M to 32M south of Wellington	do	do	15,000
do	234	Burrawong Creek 15.8M from Molong	Reinforced concrete bridge	do	20,000
do	234	Railway level crossing at Castle Street	Installation of "F" type signals	Department	5,690
do	359	Crest 9.2M south of Molong	Improvement	Council	153
do	359	4M to 7M south of Molong	Reconstruction and bitumen surfacing	do	33,500
Mulwaree	248	10.85M to 12M west of Goulburn	Gravelling and bitumen surfacing	do	989
do	256	17.9M to 20M north of Goulburn	Reconstruction and bitumen surfacing	do	4,117
do	256	16.1M to 17.9M north of Goulburn	do	do	3,778
do	256	17.9M to 19.3M north of Goulburn	Gravelling and bitumen surfacing	do	26,000
do	256	21.4M to 22.0M north of Goulburn	Reconstruction and bitumen surfacing	do	14,000
do	256	Tarlo River 12.2M north of Goulburn	Reinforced concrete bridge	do	99,216
Mumbulla	272	12M to 16M from Bega	Reconstruction	do	1,000
do	273	Spring Creek, 4M from Bega	Realignment	do	28,643
do	275	Spring and Grosses Creeks 3.4M from Bega	Reinforced concrete bridge and approaches	do	53,085
do	320	4.1M to 5.1M east of Princes Highway	Reconstruction and bitumen surfacing	do	4,000
Murray	94	26.6M to 28.8M west of Deniliquin	do	do	26,000

* Credit.

APPENDIX NO. 7 - continued

COUNTRY MAIN ROADS FUND - GENERAL PURPOSES - continued
Summary of Payments from Department's Funds on Construction and Reconstruction Works - continued
(iii) Trunk and Ordinary Main Roads - continued

City, Municipal or Shire Area	Road No.	Location of Work	Class of Construction	Constructing Authority	Amount
Murray	94	23.8M to 25M west of Deniliquin	Reconstruction and bitumen surfacing	Council	27,689
Murray Darling Division	66	2M to 13M east of Broken Hill	Reconstruction	Department	80,920
Murrumbidgee	321	34M to 37M north of S. H. No. 17	Reconstruction and bitumen surfacing	Council	25,038
do	321	30.74M to 32.74M north of Newell Highway	do	do	19,000
do	321	42.04M to 47.63M north of Newell Highway	Widening and bitumen surfacing	do	11,013
do	596	8M to 10.8M east of M. R. No. 321	Reconstruction and bitumen surfacing	do	21
do	596	6.6M to 8.2M east of M. R. No. 321	do	do	1,881
Murrurundi	358	Railway level crossing at Willow Tree	Installation of "F" type signals	Department	12,000
do	358	12.5M to 15.3M south of New England Highway	Reconstruction and bitumen surfacing	Council	20,000
Nambucca	533	5.1M from Macksville	Reinforced	do	4,026 *
do	533	12.65M to 13.6M west of Macksville	Reconstruction and bitumen surfacing	do	40,000
do	533	5M to 5.43M from Macksville	Improvement	do	9,908
Namoi	127	Bobbina Creek 10.8M west of Narrabri	Reinforced concrete box culvert and approaches	do	334 *
do	127	1.69M to 4.0M west of Wee Waa	Reconstruction and bitumen surfacing	do	20,976
do	127	0.52M to 1.07M west of Wee Waa	do	do	27,444
Narraburra	241	17.1M to 18.6M east of Temora	do	do	23,000
do	241	14.7M to 17.5M east of Temora	do	do	13,370
do	398	Duck Creek 11M east of Barmedman	Reinforced concrete bridge	do	447
do	398	3.75M to 5M north of Ariah Park	Reconstruction and bitumen surfacing	do	5,403
do	398	8.5M to 11.5M east of Barmedman	do	do	4,466
do	398	2.5M to 5M south of Ariah Park	do	do	841
do	398	5.7M to 8.0M south of Ariah Park	do	do	9,075
Narrandera	80	1M to 1.82M west of Newell Highway	do	do	30,000
do	80	0M to 0.45M west of Newell Highway	do	do	1,912
do	243	0M to 4M from Coolamon Shire Boundary	do	do	8,000
Newcastle	108	Bridge over north arm of Hunter River	Western approaches	Department	6,928
do	108	North arm of Hunter River	Reinforced concrete bridge	do	5,157
do	326	Station Street Waratah	Widening	Council	116 *
do	326	Highfield Street to Bull Street	Reconstruction	do	8,330 *
Nundle	106	1.89M to 3.4M west of Nundle	Reconstruction and bitumen surfacing	do	15,055
do	106	3.45M to 4.02M south of Nundle	do	do	24,945
Nymboida	74	Bridge over Cloud's Creek 40.85M to 41.35M south of	Reconstruction and bitumen surfacing of approaches	do	17,400
do	74	67.3M to 68.66M south of Grafton	Reconstruction and bitumen surfacing	do	38,650
do	74	30.45M to 32.6M south of Grafton	do	do	25,900
do	74	62.5M to 68.25M south of Grafton	do	do	2,548
do	74	31.5M to 32.6M south of Grafton	Reconstruction and widening	do	17
Oberon	253	7.3M to 8.5M south of Oberon	Reconstruction and bitumen surfacing	do	40,400
do	255	1.6M to 4.1M north of Oberon	do	do	6,000
Orange	245	Peisley Street to Tynan Street	Reconstruction	do	2,465
Parkes	61	Eugowra Road to Billabong Creek Bridge	Widening and strengthening	do	20,000
Patrick Plains	128	Lamby Creek 18.35M from Singleton	Reinforced concrete bridge	do	231 *
do	213	2.42M to 4.2M west of M. R. No. 503	Reconstruction and bitumen surfacing	do	5,928 *
do	213	7.14M to 8.82M west of M. R. No. 503	do	do	4,631
do	213	4.08M to 5.13M west of M. R. No. 503	do	do	5,928
do	213	0.94M to 2.42M west of M. R. No. 503	do	do	6,249 *
do	213	5.95M to 7.14M west of M. R. No. 503	do	do	10,688
do	503	Bridge over Boggy Swamp Creek 48.6M south of Singleton	Regrading of approaches	Department	10,869
do	503	1.78M to 2.02M south of Singleton	Reconstruction and bitumen surfacing	Council	1
do	503	11.5M to 12.0M south of Singleton	do	do	31,233
do	503	Bridge over Waratah Creek at Waratah Creek	Approaches	do	5,000

APPENDIX NO. 7 - continued

COUNTRY MAIN ROADS FUND - GENERAL PURPOSES - continued
 Summary of Payments from Department's Funds on Construction and Reconstruction Works - continued
 (iii) Trunk and Ordinary Main Roads - continued

City, Municipal or Shire Area	Road No.	Location of Work	Class of Construction	Constructing Authority	Amount
Queanbeyan	584	Alanbar Street to Queenbar Street	Reconstruction	Council	15,000
Rylstone	54	Four Mile Creek to Two Mile Creek	Reconstruction and bitumen surfacing	do	648
do	54	5.5M to 6.5M west of Ilford	do	do	7,107
do	54	5.52M to 6.56M west of Ilford	Gravelling and bitumen sealing	do	16,000
do	54	4.5M to 5.5M west of Ilford	Reconstruction and bitumen surfacing	do	5,200
do	215	Breakfast Creek 9.2M north of Rylstone	Reinforced concrete box culvert	do	11,000
do	215	8.8M to 9.5M north of Rylstone	Reconstruction and bitumen surfacing	do	3,608
do	215	8.4M to 8.8M north of Rylstone	do	do	4,536
do	215	9.27M to 9.62M north of Rylstone	Gravelling and priming	do	1,000
Scone	62	Sam Owens Gully, 8.47M west of Scone	Reinforced concrete box culvert	do	1,152 *
do	62	23.08M to 23.17M west of Scone	Reconstruction and bitumen surfacing	do	35,000
do	105	22.6M to 23.6M east of Scone	do	do	4,000
Severn	136	Wellington Vale Creek	Reinforced concrete box culvert	do	79,700
Shoalhaven	267	Bridge over Tiagara Creek, 24M from Huskisson	Approaches	do	12,930
do	267	Tiagara Creek 24M from Huskisson	Reinforced concrete bridge	do	7,781 *
do	293	7.5M from S.H. No. 1 to Shoalhaven Heads	Reconstruction and bitumen surfacing	do	7,247
Snowy River	286	Bridge over Slacks Creek 8M west of Cooma	Widening	do	10,002
do	286	22M to 23.2M west of Jindabyne	Reconstruction and bitumen surfacing	Department	104,966
do	286	4.4M to 8.4M west of Cooma	Reconstruction	Council	5,652
Talbragar	572	Drillwarrina Creek at Eumungerie	Reinforced concrete bridge and approaches	do	7,500
Tallaganda	92	4M to 7M east of Braidwood	Reconstruction and bitumen surfacing	do	4,431
Tamarang	72	5.5M to 7.0M south of Quirindi	Reconstruction	do	5,911
do	72	0.22M to 1.36M west of M.R. No. 126	Reconstruction and provision of climbing lane	do	16,000
do	72	7.5M south of Quirindi at Braefield	Railway overbridge	do	11,500
do	106	Wiles Gully 0.83M to 1.71M east of New England Highway	Reinforced concrete bridge and approaches	do	66,000
do	129	19.10M to 22.38M west of Quirindi	Reconstruction and bitumen surfacing	do	1,110 *
Temora	387	0.79M to 1.85M west of Temora	do	do	17,000
Terania	65	Bexhill to Clunes	Realignment and bitumen surfacing	do	8,067
do	142	23.6M to 25.65M north of Lismore	Reconstruction and bitumen surfacing	do	29,932
Timbreebongie	572	9.4M to 15M from Narromine	Reconstruction and bitumen surfacing	do	17,846
Tomki	83	1.7M south of Casino	Reinforced concrete box culvert	do	12,000
do	83	Bridge over Deep Creek 5.57M south of Casino	Approaches	do	61,920
do	544	13.17M to 16.24M from Lismore	Reconstruction and bitumen surfacing	do	3,491
do	544	9.16M to 10.46M from Lismore	do	do	43,000
Tumbarumba	281	1.44M to 3M from M.R. No. 282	Bitumen surfacing	do	26,308
Turnut	85	11.8M to 14.4M south of Snowy Mountains Highway	Reconstruction and bitumen surfacing	do	37,321
do	85	Batlow	Realignment of curve	do	1,079
do	279	10.38M to 10.96M north of Tumut	Reconstruction and bitumen surfacing	do	20,613
Turon	54	26.5M to 29.75M north of Bathurst	do	do	3,465
do	54	24.6M to 25.8M north of Bathurst	do	do	27,568
Tweed	142	Bridge over Tweed River at Murwillumbah	Approaches	do	668
do	142	31.83M to 33.18M north of Lismore	Reconstruction and bitumen surfacing	do	8,811
do	143	2.4M north of Murwillumbah	Reinforced concrete bridge	do	22,200
do	399	12.17M to 12.41M & 14.66M to 15.5M west of Murwillumbah	Reconstruction and bitumen surfacing	do	5,198
Ulmarra	74	Ti-Tree Creek 6M south of Grafton	Pipe culvert and approaches	do	69 *
do	151	Glenreagh Creek 28.68M south of Grafton	Reinforced concrete bridge	do	89,000
Uralla	73	Two Mile Creek 31.25M north of Uralla	do	do	3,000
do	73	Culvert at Church Gully 16.7M to 17.75M north of Uralla	Approaches	do	3,678
do	73	Bridge over Two Mile Creek 31.18M to 31.5M north of Uralla	do	do	2,000
Urana	385	6.4M to 10.4M north of Urana	Reconstruction and bitumen surfacing	do	5,314 *
Wade	80	1.06M to 2.8M east of Griffith & junction with M.R. No. 254	do	do	1,742
do	321	0.2M to 0.6M south of T.R. No. 80	do	do	1,608
do	321	13.87M to 16.38M south of Griffith	do	do	10,000
do	321	0.4M to 1.5M south of T.R. No. 80	do	do	38,605
do	321	0.4M to 1.5M south of T.R. No. 80	do	do	8,000
do	321	Intersections with T.R. No. 80, Wakaden & Macarthur Sts.	Improvement	do	6,591

APPENDIX NO. 7 - continued

COUNTRY MAIN ROADS FUND - GENERAL PURPOSES - continued
Summary of Payments from Department's Funds on Construction and Reconstruction Works - continued
(iii) Trunk and Ordinary Main Roads - continued

City, Municipal or Shire Area	Road No.	Location of Work	Class of Construction	Constructing Authority	Amount
Wagga Wagga	78	Edward Street to Grampton Street, Wagga Wagga	Reconstruction and asphaltic concrete surfacing	Council	194
do	211	Railway level crossing at Docker Street Wagga Wagga	Installation of "F" type signals	Department	15,426
Wakool	319	Calf No. 1 Creek 5.55M north of Barham	Reinforced concrete bridge	Council	9,518
do	319	Bridge over Murain Yarrein Creek	Approaches	do	825 *
do	341	53.55M to 55.5M west of Moama	Reconstruction and bitumen surfacing	do	470 *
do	386	24.35M to 26.92M west of M. R. No. 319	do	do	20,370
Walgett	68	Bridge over Mooni River at Gundabloui	Approaches	do	12
do	127	Yarra Creek 2.5M west of Walgett	Reinforced concrete box culvert	do	2,420 *
do	127	0.47M to 3.42M west of Walgett	Reconstruction and bitumen surfacing	do	4,357
do	333	44.1M to 51.44M south of Walgett	Gravelling	do	18,140
do	402	Grawin Creek 42.4M to 43.2M west of Walgett	Reinforced concrete box culvert and approaches	do	365 *
Warren	333	88M to 93M north of Warren	Reconstruction and bitumen surfacing	do	2,842
do	347	0M to 6.13M south of Collie	do	do	37,000
Waugoola	56	Morongla Creek 11.5M south of Cowra	Reinforced concrete box culvert and approaches	do	33,971
do	576	Spring Creek 6M from Cowra	do	do	264 *
do	576	8.1M to 10.1M from Cowra	Reconstruction and bitumen surfacing	do	3,687 *
Weddin	237	9.4M to 15.4M from Grenfell	do	do	16,738
do	398	21.7M to 24.7M south of Grenfell	do	do	13,000
do	398	24.7M to 27.7M from Grenfell	do	do	26,034
Wellington	206	Spicers Creek 32M from Dunedoo	Reinforced concrete bridge	do	274 *
do	206	28.5M to 32.0M from Dunedoo	Reconstruction and bitumen surfacing	do	1,180
do	206	15.75M to 18.4M west of Dunedoo	do	do	37,897
do	233	17M to 20.9M north of Wellington	do	do	4,663
do	233	7.6M to 9.7M north of Mitchell Highway	do	do	2,911
do	353	8.6M to 11.19M north of Wellington	do	do	70,000
Wentworth	68	21.3M to 35M north of Wentworth	do	do	4,639
do	431	0M to 1.7M north of Silver City Highway	do	do	3,250
Windouran	296	56.5M to 60M west of Deniliquin	do	do	22,699
do	296	50M to 54M west of Deniliquin	do	do	5,431
do	319	7.2M to 11M north of Moulamein	do	do	15,690
Wingecarribee	264	0.5M to 2M east of Illawarra Highway	do	do	7,500
Wollondilly	95	Allen's Creek 0.5M east of Wilton	Reinforced concrete bridge and approaches	do	51,000
do	95	Clements Creek 5.24M from Appin	do	do	4,535
do	179	5.49M to 7.8M south of M. R. No. 178	Widening	do	21
do	179	Carriage Creek, 14.7M from M. R. No. 178	Reinforced concrete box culvert and approaches	do	8,000
do	179	5.49M to 5.77M south of M. R. No. 178	Reconstruction	do	3,171
do	179	13.4M to 14.52M from M. R. No. 178	do	do	32,000
do	179	Carriage Creek 0.4M east of Maldon	Reinforced concrete bridge and approaches	do	5,000
do	259	Various Locations	Reconstruction of damaged pavement	Department	11,889
Wollongong	186	0.2M to 1.08M west of Princes Highway	Reconstruction and widening	Council	11,000
do	186	Kembla Street to Mount Keira Public School	Reconstruction	do	20,000
do	513	Bridge over Bellambi Creek 2.85M west of S. H. No. 1	Widening	Department	45,546
do	513	6.17M to 6.57M south of northern junction with S. H. No. 1	Climbing lane	do	5
do	513	Princes Highway to T. R. No. 95	Provision of fourth lane	do	3,541
do	522	Wentworth Street to Forster Street	Reconstruction and bitumen surfacing	Council	5,884 *
Woodburn	145	Rocky Mouth Creek at Woodburn	Reinforced concrete bridge	do	14,000
Wyong	217	2.3M to 4.3M west of Wyong	Reconstruction and bitumen surfacing	do	5,498
do	335	The Entrance to Tuggerah Lakes	Reinforced concrete bridge	Department	8,619
do	336	0M to 1M from M. R. No. 335	Reconstruction	Council	233
do	509	Norman Street to Ray Street Toukley	Reconstruction and widening	do	27,733
Yallaroi	63	Flaggy Gully 29.4M north of Warialda	Reinforced concrete box culvert and approaches	do	2,000
do	63	Bridge over Warialda Creek at Warialda	Approaches	do	2,528
do	63	8M to 9.55M south of Warialda	Reconstruction and bitumen surfacing	do	22,600
Yarrowlumla	51	10.55M to 11.4M east of Queanbeyan	Reconstruction and widening	do	25,000
do	52	Amungla Creek 11.1M north of Queanbeyan	Reinforced concrete bridge and approaches	do	7,560
do	268	22.63M to 24.3M north of Queanbeyan	Reconstruction	do	9,994

* Credit.

APPENDIX NO. 7 - continued

COUNTRY MAIN ROADS FUND - GENERAL PURPOSES - continued
Summary of Payments from Department's Funds on Construction and Reconstruction Works - continued
(iii) Trunk and Ordinary Main Roads - continued

City, Municipal or Shire Area	Road No.	Location of Work	Class of Construction	Constructing Authority	Amount
Yarrowlumla	268	21.85M to 22.63M north of Queanbeyan	Reconstruction	Council	21,487
Young	78 & 24	Boorowa Street Young	do	do	10,000
Total - Trunk and Ordinary Main Roads					<u>\$9,153,436</u>
(iv) Tourist Roads					
Imlay	4037	0M to 2M from S. H. No. 1	Widening	Council	296 *
Port Macquarie	4030	Lake Cathie	Reinforced concrete bridge and approaches	do	26,000
Tintenbar	4051	Ballina to Skennar's Head	Construction	do	269
do	4051	Ballina to Lennox Head	Gravelling and bitumen surfacing	do	25,000
do	4051	Skennar's Head Road to Lennox Head	Construction	do	22
Tweed	4028	2.85M to 3.26M south of Pottsville	Reconstruction and bitumen surfacing	do	10,000
Wade	4041	Airport Road to Beelbanger Road	do	do	1,512
Total - Tourist Roads					<u>\$62,507</u>
(v) Roads other than Main Roads					
Gosford		Brisbane Waters at "The Rip"	Prestressed concrete bridge	Department	1,686,854
Newcastle		Aldyth Street to Charlestown Road	Reconstruction	Council	39,124
do		Kooragang Island	Improvement to temporary route	Department	4,890
Queanbeyan		Queanbeyan River at Morrisset Street Queanbeyan	Low level bridge	do	11,000
Talbragar		Dubbo-Mendooran Road, Denmire Creek 33.9M north of Dubbo	Concrete and steel bridge	Council	3,349
do		Dubbo-Mendooran Road 27.4M to 30.4M north of Dubbo	Reconstruction and bitumen surfacing	do	10,967
do		Dubbo-Mendooran Road 29.64M to 31.17M north of Dubbo	do	do	8,072
Tenterfield		Tabulam to Drake on old route of Bruxner Highway	Reconstruction	do	2,647
Total - Roads other than Main Roads					<u>\$1,766,903</u>
SUMMARY					
			\$	\$	
	Freeways		62,488		
	State Highways		11,511,553		
	Trunk and Ordinary Main Roads		<u>9,153,436</u>	20,727,477	
	Tourist Roads			62,507	
	Roads other than Main Roads			<u>1,766,903</u>	
				22,556,887	
	Survey, Design, Supervision etc.			<u>5,456,992</u>	
	Total as shown in Receipts and Payments Statement Appendix No. 1 (c) (i)			\$28,013,879	

* Credit.

APPENDIX NO. 7A

COUNTRY MAIN ROADS FUND - SPECIAL PURPOSES

Summary of Payments from Department's Funds on Construction and Reconstruction Works

(i) Freeways

City, Municipal or Shire Area	Road No.	Location of Work	Class of Construction	Constructing Authority	Amount
SYDNEY - NEWCASTLE FREEWAY					\$
Gosford	F3	New Bridge over Hawkesbury River	Reinforced concrete sub-structure	Department	627 +
do	F3	Bridge over Hawkesbury River	Northern Approach	do	413, 020
do	F3	Hawkesbury River at Peats Ferry	Additional Span in Northern Approach	do	54, 052
do	F3	New Bridge over Hawkesbury River	Reinforced concrete super-structure	do	724, 090 +
do	F3	Overbridge at Mooney Mooney interchange	Raising and Widening	do	41, 921
					<u>\$1, 233, 710</u>
SOUTHERN FREEWAY					
Wollongong	F6	Five Islands Road to Northcliffe Drive	Construction	Department	300, 000
					<u>\$300, 000</u>
Total - Freeways					<u>\$1, 533, 710</u>

(ii) State Highways

SILVER CITY HIGHWAY

Broken Hill	22	South Road Broken Hill	Railway Overbridge	Department	304
do	22	South Road and Gypsum Street Overbridges	Pavement Construction of Approaches	Council	4, 742
do	22 and 81	South Road and Gypsum Street Broken Hill	Approaches to overbridges	Department	679 *
					<u>\$ 4, 367</u>
Total - State Highways					<u>\$ 4, 367</u>

(iii) Trunk and Ordinary Main Roads

Wollongong	295	Flinders Street Port Kembla	Railway Overbridge	Council	68, 700
Total - Trunk and Ordinary Main Roads					<u>\$68, 700</u>

(iv) Roads other than Main Roads

Tumbarumba		Alpine Way, 24M to 27M west of Jindabyne	Reconstruction including Survey, Design, Testing etc	Department	125, 118
Total - Roads other than Main Roads					<u>\$125, 118</u>

* Credit

+ For additional Expenditure See Appendix No. 6A

APPENDIX NO. 7 A - continued

COUNTRY MAIN ROADS FUND - SPECIAL PURPOSES - continued

Summary of Payments from Department's Funds on Construction and Reconstruction Works - continued

	SUMMARY		
		\$	\$
Freeways		1,533,710	
State Highway		4,367	
Trunk and Ordinary Main Roads		68,700	1,606,777
Roads other than Main Roads			<u>125,118</u>
Total as shown in Receipts and Payments Statement Appendix 1 (C) (ii)			<u>1,732,895</u>

APPENDIX NO. 8

COUNTY OF CUMBERLAND MAIN ROADS FUND

Summary of Payments from Department's Funds on Maintenance and Minor Improvement

Road No.	Location of Work	Work Carried Out By		Total
		Department	Council	
		\$	\$	\$
FREEWAYS				
F. 3	North-Western Freeway -			
	Drummoyne	11,805		11,805
	Hunter's Hill	51,855		51,855
	Lane Cove	5,357		5,357
		69,017		69,017
F. 4	Western Distributor -			
	Blacktown	3,996		3,996
	Penrith	21,367		21,367
		25,363		25,363
F. 6	Southern Freeway -			
	Sutherland	35,920		35,920
F. 9	Southern Cross Drive -			
	Botany	38,170		38,170
	Randwick	28,626		28,626
		66,796		66,796
	Total - Freeways	197,096		197,096
STATE HIGHWAYS				
S. H. 1	Princes Highway -			
	Kogarah	42,374		42,374
	Marrickville	14,438		14,438
	Rockdale	9,807		9,807
	South Sydney		17,220	17,220
	Sutherland	113,833		113,833
	Sydney		2,205	2,205
	Wollongong	68,149		68,149
		248,601	19,425	268,026
S. H. 2	Hume Highway -			
	Ashfield	4,561		4,561
	Bankstown	62,773		62,773
	Burwood	13,775		13,775
	Camden	64,314		64,314
	Fairfield	20,463		20,463
	Liverpool	96,428		96,428
	Strathfield	21,447		21,447
		283,761		283,761
S. H. 5	Great Western Highway -			
	Ashfield	22,075		22,075
	Auburn	26,656		26,656
	Blacktown	48,354		48,354
	Blue Mountains	140,751		140,751
	Burwood	8,918		8,918
	Concord	7,565		7,565
	Drummoyne	7,585		7,585
	Holroyd	34,561		34,561
	Leichhardt	10,619		10,619
	Marrickville	5,231		5,231
	Parramatta	8,165		8,165
	Penrith	63,066		63,066
	Strathfield	11,767		11,767
	Sydney		3,645	3,645
		395,313	3,645	398,958
S. H. 10	Pacific Highway -			
	Hornsby	117,454		117,454
	Ku-ring-gai	68,101		68,101
	Lane Cove	13,758		13,758
	North Sydney	5,577		5,577
	Willoughby	26,920		26,920
		231,810		231,810

APPENDIX NO. 8 - continued

COUNTY OF CUMBERLAND MAIN ROADS FUND - continued

Summary of Payments from Department's Funds on Maintenance and Minor Improvement - continued

Road No.	Location of Work	Work Carried Out By		Total
		Department	Council	
		\$	\$	\$
S. H. 13	Bankstown	294*		294*
	Baulkham Hills	7,202		7,202
	Fairfield	294*		294*
	Holroyd	29*		29*
	Hornsby	33,265		33,265
	Parramatta	50		50
		39,900		39,900
	Total - State Highways	1,199,385	23,070	1,222,455
ORDINARY MAIN ROADS				
	Ashfield	218	600	818
	Auburn	16,633	2,800	19,433
	Bankstown	136,452		136,452
	Baulkham Hills	66,053	68,830	134,883
	Blacktown	12,927	30,932	43,859
	Blue Mountains	57,221	8,101	65,322
	Botany	137,364	1,760*	135,604
	Burwood	4,172	1,808	5,980
	Camden	7,000	22,807	29,807
	Campbelltown	38,796	7,072	45,868
	Canterbury	37,897	6,000*	31,897
	Colo	80,982	11,679	92,661
	Concord	-	8,572	8,572
	Drummoyne	81,135	9,669	90,804
	Fairfield	41,369	19,700	61,069
	Hornsby	19,346	49,550	68,896
	Hunter's Hill	62,535	-	62,535
	Hurstville		16,720	16,720
	Kogarah	2,688	2,593	5,281
	Ku-ring-gai	21,728	4,596	26,324
	Lane Cove	17,200	-	17,200
	Leichhardt	43,704	330	44,034
	Liverpool	52,940	35,907	88,847
	Manly	41,960	12,654	54,614
	Marrickville	2,696	10,963	13,659
	Mosman	27,716	8,553	36,269
	North Sydney	-	15,728	15,728
	Parramatta	39,999	-	39,999
	Penrith	108,216	42,600	150,816
	Randwick	88,704	3,247*	85,457
	Rockdale	12,481	24,044	36,525
	Ryde	82,841	24,200	107,041
	South Sydney	2,799	30,610	33,409
	Strathfield	-	439	439
	Sutherland	80,244	23,587	103,831
	Sydney	236,623	44,850	281,473
	Warringah	405,927	82,202	488,129
	Waverley	1,039	28,584	29,623
	Willoughby	17,978	8,096	26,074
	Windsor	78,102	-	78,102
	Wollondilly		46,685	46,685
	Wollongong	85,624	-	85,624
	Woollahra	3,108	4,223	7,331
	Total - Ordinary Main Roads	2,254,417	699,277	2,953,694

* Credit

APPENDIX NO. 8 - continued

COUNTY OF CUMBERLAND MAIN ROADS FUND - continued

Summary of Payments from Department's Funds on Maintenance and Minor Improvement - continued

Road No.	Location of Work	Work Carried Out By		Total
		Department	Council	
		\$	\$	\$
SECONDARY ROADS				
	Ashfield		4,400	4,400
	Auburn		10,300	10,300
	Bankstown		7,115	7,115
	Blacktown		5,000	5,000
	Blue Mountains		3,793	3,793
	Botany		2,070	2,070
	Burwood		192	192
	Canterbury		24,039	24,039
	Concord		2,568	2,568
	Drummoyne		8,611	8,611
	Fairfield		5,000	5,000
	Holroyd		2,388	2,388
	Hornsby		5,579	5,579
	Hunter's Hill		6,509	6,509
	Hurstville		15,240	15,240
	Lane Cove		5,036	5,036
	Leichhardt		1,685	1,685
	Manly		387	387
	Marrickville		4,481	4,481
	Mosman		653	653
	North Sydney		6,728*	6,728*
	Parramatta		4,383	4,383
	Penrith		2,031	2,031
	Randwick		4,947	4,947
	Rockdale		13,700	13,700
	South Sydney		36,150	36,150
	Strathfield		6,065	6,065
	Sutherland	23,562	76,537	100,099
	Willoughby		6,283	6,283
	Windsor		3,254	3,254
	Woollahra		550	550
	Total - Secondary Roads	23,562	262,218	285,780
TOURIST ROADS				
	Blue Mountains		3,115	3,115
	Sutherland	3,097	-	3,097
	Warringah	5,369	-	5,369
	Total - Tourist Roads	8,466	3,115	11,581
SUMMARY				
	Freeways	197,096	-	197,096
	State Highways	1,199,385	23,070	1,222,455
	Ordinary Main Roads	2,254,417	699,277	2,953,694
	Secondary Roads	23,562	262,218	285,780
	Tourist Roads	8,466	3,115	11,581
	Bridges and Ferries not on			
	Classified Roads	117,223	-	117,223
	Maintenance of Median Strips			
	and Minor Road Restoration	66,577	-	66,577
	Supervision, Traffic Striping,			
	Signposting, and Allowances			
	to Councils, etc.	844,520	3,084	847,604
	Total as shown in Receipts and			
	Payments Statements -	4,711,246	990,764	5,702,010
	Appendix No. 1 (B) (i)			

* Credit

APPENDIX NO. 9

COUNTRY MAIN ROADS FUND

Summary of Payments from Department's Funds on Maintenance and Minor Improvements

Road No.	Location of Work	Work Carried Out By		Total
		Department	Council	
		\$	\$	\$
FREEWAYS				
F. 6	Southern Freeway - Wollongong	47,456		47,456
F. 8	Wollongong Freeway - Wollongong	12,643		12,643
	Total - Freeways	60,099		60,099
STATE HIGHWAYS				
S. H. 1	Prince's Highway -			
	Bega	14,412		14,412
	Eurobodalla	111,634		111,634
	Imlay	134,835		134,835
	Kiama	52,571		52,571
	Mumbulla	67,526		67,526
	Shellharbour	28,271		28,271
	Shoalhaven	203,544		203,544
	Wollongong	66,293	500	66,793
		679,086	500	679,586
S. H. 2	Hume Highway -			
	Albury	53,299		53,299
	Camden	1,646		1,646
	Demondrille	47,826		47,826
	Goodradigbee	92,268		92,268
	Goulburn	21,793	2,000	23,793
	Gundagai	171,876		171,876
	Gunning	147,428		147,428
	Holbrook	91,810		91,810
	Hume	60,803		60,803
	Kyeamba	80,547		80,547
	Mittagong	99,278		99,278
	Mulwaree	126,765		126,765
	Wingecarribee	93,923		93,923
	Wollondilly	112,208		112,208
	Yass	10,254		10,254
		1,211,724	2,000	1,213,724
S. H. 3	Federal Highway -			
	Gunning	52,954		52,954
	Mulwaree	29,177		29,177
	Yarrowlumla	26,853		26,853
		108,984		108,984
S. H. 4	Snowy Mountains Highway -			
	Bega	688		688
	Cooma		2,421	2,421
	Gundagai	908		908
	Imlay	8,215		8,215
	Monaro	9,436		9,436
	Mumbulla	56,197		56,197
	Snowy River	98,154		98,154
	Tumut	91,790		91,790
		265,388	2,421	267,809
S. H. 5	Great Western Highway -			
	Bathurst	9,830		9,830
	Blaxland	77,403		77,403
	Lithgow	8,426		8,426
	Turon	44,936		44,936
		140,595		140,595

APPENDIX NO. 9 - continued

COUNTRY MAIN ROADS FUND - continued

Summary of Payments from Department's Funds on Maintenance and Minor Improvement - continued

Road No.	Location of Work	Work Carried Out By		Total
		Department	Council	
		\$	\$	\$
STATE HIGHWAY - continued				
S. H. 6	Mid-Western Highway -			
	Abercrombie	33,118		33,118
	Bathurst	982		982
	Bland	68,201		68,201
	Carrathool	49,569		49,569
	Cowra	2,690	7,033	9,723
	Grenfell		550	550
	Hay	38,105	858	38,963
	Lyndhurst	71,906		71,906
	Waugoola		24,653	24,653
	Weddin		41,500	41,500
		264,571	74,594	339,165
S. H. 7	Mitchell Highway -			
	Abercrombie	39,538		39,538
	Bathurst	1,570		1,570
	Bogan	47,390	450	47,840
	Canobolas	32,971		32,971
	Darling	134,933		134,933
	Dubbo	3,606	7,921*	4,315*
	Molong	35,053		35,053
	Narromine	1,674		1,674
	Nyngan		145	
	Orange		1,000	1,000
	Talbragar	32,326		32,326
	Timbregongie	48,812		48,812
	Warren	19,252		19,252
	Wellington	57,699		57,699
		454,824	6,326*	448,498
S. H. 8	Barrier Highway -			
	Bogan	40,429		40,429
	Broken Hill		17,426	17,426
	Cobar	89,076	352	89,428
	Central Darling	109,886	276	110,162
	Murray Darling Division	68,189		68,189
		307,580	18,054	325,634
S. H. 9	New England Highway -			
	Armidale		5,222	5,222
	Cockburn	72,360		62,360
	Cessnock	41,195		41,195
	Denman	57,277		57,277
	Dumaresq	46,692		46,692
	Glen Innes	14,141		14,141
	Guyra	52,339		52,339
	Maitland	61,578	2,945	64,523
	Murrurundi	76,285		76,285
	Muswellbrook	11,946	507	12,453
	Newcastle	18,596		18,596
	Nundle	9,032		9,032
	Patrick Plains	103,045		103,045
	Peel	15,806		15,806
	Severn	85,141		85,141
	Scone	76,878		76,878
	Singleton	13,469	107	13,576
	Tamarang	20,699		20,699
	Tamworth		3,390	3,390
	Tenterfield Municipality		10,979	10,979
	Tenterfield Shire	81,786		81,786
	Uralla	40,197		40,197
		898,462	23,150	921,612

* Credit

APPENDIX NO. 9 - continued

COUNTRY MAIN ROADS FUND - continued

Summary of Payments from Department's Funds on Maintenance and Minor Improvement - continued

Road No.	Location of Work	Work Carried Out By		Total
		Department	Council	
		\$	\$	\$
STATE HIGHWAYS - continued				
S. H. 10	Pacific Highway -			
	Ballina	3,941	270	4,211
	Bellingen	37,501		37,501
	Byron	127,118		127,118
	Coffs Harbour	86,486		86,486
	Gosford	78,416	750	79,166
	Grafton	17,953		17,953
	Great Lakes	127,841		127,841
	Hastings	89,881		89,881
	Kempsey		1,245	1,245
	Lake Macquarie	146,149	1,654	147,803
	Maclean	56,100		56,100
	Macleay	22,330		22,330
	Manning	162,266		162,266
	Nambucca	81,625		81,625
	Newcastle	29,386	71,971	101,357
	Port Stephens	144,302		144,302
	Taree	12,487	4,347	16,834
	Tintenbar	54,469		54,469
	Tweed	99,782		99,782
	Ulmarra	98,912		98,912
	Woodburn	65,655		65,655
	Wyong	154,369		154,369
		1,696,969	80,237	1,777,206
S. H. 11	Oxley Highway -			
	Cockburn	9,062		9,062
	Coonabarabran	93,374		93,374
	Gilgandra	46,282		46,282
	Gunnedah		2,545	2,545
	Hastings	62,692		62,692
	Liverpool Plains		67,850	67,850
	Peel		31,275	31,275
	Port Macquarie	1,554	959	2,513
	Walcha	62,068		62,068
	Warren	56,901		56,901
		331,933	102,629	434,562
S. H. 12	Gwydir Highway -			
	Boolooroo		6,721*	6,721*
	Boomi	61,722		61,722
	Glen Innes		4,735	4,735
	Inverell	26,115	3,249	29,364
	Macintyre		37,483	37,483
	Moree		7,176	7,176
	Nymboida	94,614		94,614
	Severn	43,998	16,487	60,485
	Walgett	2,894	948*	1,946
	Yallaroi		51,862	51,862
		229,343	113,323	342,666
S. H. 14	Sturt Highway -			
	Balranald	56,644	2,425	59,069
	Hay	68,271		68,271
	Kyeamba	40,948		40,948
	Mitchell	45,589		45,589
	Murrumbidgee	63,410		63,410
	Narrandera	69,690		69,690
	Wagga Wagga		5,494	5,494
	Wakool	23,915		23,915
	Wentworth	71,364		71,364
		439,831	7,919	447,750

* Credit

APPENDIX NO. 9 - continued

COUNTRY MAIN ROADS FUND - continued

Summary of Payments from Department's Funds on Maintenance and Minor Improvement - continued

Road No.	Location of Work	Work Carried Out By		Total
		Department	Council	
		\$	\$	\$
STATE HIGHWAYS - continued				
S. H. 15	Barton Highway -			
	Goodradigbee	41,459		41,459
	Yarrowlumla	9,434		9,434
		50,893		50,893
S. H. 16	Bruxner Highway -			
	Ashford	32,600	14,182	46,782
	Boolooroo	5,253		5,253
	Casino		3,881	3,881
	Gundurimba		35,967	35,967
	Kyogle	69,546	10,110	79,656
	Lismore	1,067	10,214	11,281
	Tenterfield Municipality		14,147	14,147
	Tenterfield Shire	72,067		72,067
	Tintenbar		11,660	11,660
	Tomki	17,956	5,767	23,723
		198,489	105,928	304,417
S. H. 17	Newell Highway -			
	Berrigan	49,350		49,350
	Bland	47,180		47,180
	Boolooroo	109,048		109,048
	Coolamon	36,119		36,119
	Coonabarabran	13,744		13,744
	Dubbo	6,623	11,600	18,223
	Forbes		350	350
	Gilgandra	27,627		27,627
	Goobang	83,446		83,446
	Jemalong		23,870	23,870
	Jerilderie	78,702		78,702
	Namoi	102,556		102,556
	Narrabri	5,143	16,093	21,236
	Narrandera	89,189		89,189
	Talbragar	74,553		74,553
	Timbregongie	44,845		44,845
	Urana	40,254		40,254
		808,379	51,913	860,292
S. H. 18	Castlereagh Highway -			
	Brewarrina	6,848		6,848
	Coonamble	94,309		94,309
	Gilgandra	20,742		20,742
	Walgett	93,264		93,264
		215,163		215,163
S. H. 19	Monaro Highway -			
	Bibbenluke	6,329	14,982	21,311
	Bombala		1,084	1,084
	Monaro	98,790		98,790
	Yarrowlumla	11,543		11,543
		116,662	16,066	132,728
S. H. 20	Riverina Highway -			
	Albury	6,785		6,785
	Berrigan	22,304		22,304
	Conargo	17,628		17,628
	Corowa	49,377		49,377
	Hume	41,292		41,292
		137,386		137,386

APPENDIX NO. 9 - continued

COUNTRY MAIN ROADS FUND - continued

Summary of Payments from Department's Funds on Maintenance and Minor Improvement - continued

Road No.	Location of Work	Work Carried Out By		Total
		Department	Council	
		\$	\$.	\$
STATE HIGHWAY - continued				
S.H. 21	Cobb Highway -			
	Carrathool	19,017		19,017
	Central Darling	57,506		57,506
	Deniliquin		13,446	13,446
	Hay	76,548		76,548
	Murray	70,990		70,990
	Windouran	39,022		39,022
		263,083	13,446	276,529
S.H. 22	Silver City Highway -			
	Murray Darling Division	203,202		203,202
	Wentworth	83,192	2,999	86,191
		286,394	2,999	289,393
S.H. 24	Mount Lindesay Highway -			
	Tenterfield Shire	87,172		87,172
S.H. 25	Illawarra Highway -			
	Mittagong	9,581		9,581
	Shellharbour	35,833		35,833
	Wingecarribee	99,324		99,324
		144,738		144,738
S.H. 26	Gosford	58,721		58,721
	Wyong	23,701		23,701
		82,422		82,422
Total - State Highways		9,420,071	608,853	10,028,924
TRUNK AND ORDINARY MAIN ROADS				
	Abercrombie	1,175	48,830	50,005
	Albury		1,997	1,997
	Armidale		2,011	2,011
	Ashford		76,671	76,671
	Ballina		2,491	2,491
	Bairanald	7,860	60,550	68,410
	Barraba		34,402	34,402
	Bathurst		2,683	2,683
	Bega	49	1,570	1,619
	Bellingen		59,340	59,340
	Berrigan	11,056	31,265	42,321
	Bibbenluke	462	20,000	20,462
	Bingara		44,841	44,841
	Bland		38,347	38,347
	Blaxland	142,818	29,000	171,818
	Bogan		77,365	77,365
	Bombala		744	744
	Boolooroo		33,497	33,497
	Boomi		72,500	72,500
	Boorowa	2,404	53,894	56,298
	Boree		51,069	51,069
	Bourke		111,870	111,870
	Bowral		9,405	9,405
	Brewarrina	8,144	92,502	100,646
	Broken Hill		17,761	17,761
	Burrangong		43,293	43,293
	Byron		51,376	51,376
	Camden		5,784	5,784

APPENDIX NO. 9 - continued

COUNTRY MAIN ROADS FUND - continued

Summary of Payments from Department's Funds on Maintenance and Minor Improvement - continued

Road No.	Location of Work	Work Carried Out By		Total
		Department	Council	
		\$	\$	\$
TRUNK AND ORDINARY MAIN ROADS - continued				
	Canobolas		31,817	31,817
	Carrathool	302	136,917	137,219
	Casino		5,127	5,127
	Central Darling	2,001	115,601	117,602
	Cobar		139,600	139,600
	Cockburn		25,454	25,454
	Coffs Harbour	266*	66,192	65,926
	Colo	123,578	129,329	252,907
	Conargo		10,942	10,942
	Condobolin		10,337	10,337
	Coolah		85,793	85,793
	Coolamon		55,326	55,326
	Coonabarabran		41,682	41,682
	Coonamble		85,172	85,172
	Cootamundra		534	534
	Copmanhurst	2,361	64,218	66,579
	Corowa	60	27,977	28,037
	Cowra		3,053	3,053
	Crookwell		113,450	113,450
	Cudgegong	6,923	141,072	147,995
	Culcairn		34,294	34,294
	Darling	2,714	-	2,714
	Demondrille		41,971	41,971
	Deniliquin		10,025	10,025
	Denman	25,480	-	25,480
	Dubbo		4,090	4,090
	Dumaresq		84,987	84,987
	Dungog	61,172	70,768	131,940
	Eurobodalla		64,305	64,305
	Forbes		1,828	1,828
	Gilgandra		28,123	28,123
	Glen Innes		4,664	4,664
	Gloucester		24,985	24,985
	Goobang		96,694	96,694
	Goodradigbee		67,051	67,051
	Gosford		93,788	93,788
	Goulburn	705	685	1,390
	Grafton	8,902	7,919	16,821
	Great Lakes	30,995	132,129	163,124
	Greater Cessnock		176,968	176,968
	Grenfell		336	336
	Gundagai	49	29,034	29,083
	Gundurimba		54,767	54,767
	Gunedah		1,000	1,000
	Gunning		63,333	63,333
	Guyra		41,567	41,567
	Hastings	11,274	30,339	41,613
	Hay	55	26,457	26,512
	Holbrook		73,763	73,763
	Hume	9,735	35,429	45,164
	Illabo		39,131	39,131
	Imlay		39,872	39,872
	Inverell		3,751	3,751
	Jemalong		26,556	26,556
	Jerilderie		48,248	48,248
	Jindalee		39,066	39,066
	Junea		12,005	12,005
	Kempsey		4,018	4,018
	Kiama		69,930	69,930
	Kyeamba		32,962	32,962
	Kyogle		86,728	86,728
	Lachlan	42,866	227,364	270,230
	Lake Macquarie	7,826	158,503	166,329
	Leeton		37,680	37,680
	Lismore	7,166	20,843	28,009
	Lithgow		5,705	5,705
	Liverpool Plains		51,641	51,641
	Lockhart		47,147	47,147
	Lyndhurst		28,080	28,080
	Macintyre		59,772	59,772
	Maclean	66,832	56,925	123,757
	Macleay	71,075	48,344	119,419
	Maitland	22,414	48,336	70,750
	Manilla		12,000	12,000
	Manning	63,607	64,024	127,631
	Merriwa		49,000	49,000

* Credit

APPENDIX NO. 9 - continued

COUNTRY MAIN ROADS FUND - continued

Summary of Payments from Department's Funds on Maintenance and Minor Improvement - continued

Road No.	Location of Work	Work Carried Out By		Total
		Department	Council	
		\$	\$	\$
TRUNK AND ORDINARY MAIN ROADS - continued				
	Mitchell		73,542	73,542
	Mittagong		65,985	65,985
	Molong		37,823	37,823
	Monaro		3,492	3,492
	Moree		695	695
	Mudgee		2,060	2,060
	Mullumbimby		2,053	2,053
	Mulwaree		96,721	96,721
	Mumbulla	7,160	31,477	38,637
	Murray		32,864	32,864
	Murray Darling Division	92,925		92,925
	Murrumbidgee	236	37,958	38,194
	Murrumburrah		1,680	1,680
	Murrurundi		19,167	19,167
	Muswellbrook		44,415	44,415
	Nambucca		39,697	39,697
	Namoi		112,519	112,519
	Narrabri		4,092	4,092
	Narraburra		98,526	98,526
	Narrandera		33,131	33,131
	Newcastle	17,649	64,676	82,325
	Nundle		28,173	28,173
	Nymboida	967	61,918	62,885
	Nyngan		249*	249*
	Oberon	19,913	49,306	69,219
	Orange		5,408	5,408
	Parkes		8,652	8,652
	Patrick Plains	139,781	59,507	199,288
	Peel		27,502	27,502
	Port Macquarie		8,099	8,099
	Port Stephens		120,568	120,568
	Queanbeyan	163	11,524	11,687
	Quirindi		3,513	3,513
	Rylstone		60,806	60,806
	Scone	46,276	46,116	92,392
	Severn		24,352	24,352
	Shellharbour		8,600	8,600
	Shoalhaven	29,523	35,000	64,523
	Snowy River	172,231	19,632	191,863
	Talbragar		10,314	10,314
	Tallaganda	902	85,561	86,463
	Tamarang		69,664	69,664
	Tamworth		4,143	4,143
	Taree		1,225	1,225
	Temora		6,460	6,460
	Tenterfield Shire		12,300	12,300
	Terania		91,689	91,689
	Timbregongie		71,004	71,004
	Tintenbar		23,473	23,473
	Tomki		53,114	53,114
	Tumbarumba		54,500	54,500
	Tumut	226	56,612	56,838
	Turon	11,826	50,531	62,357
	Tweed		77,861	77,861
	Ulmarra	454	25,323	25,777
	Uralla		47,884	47,884
	Urana		70,088	70,088
	Wade		110,683	110,683
	Wagga Wagga		11,600	11,600
	Wakool	141,880	127,550	269,430
	Walcha		3,485	3,485
	Walgett	74	189,389	189,463
	Warren		67,374	67,374
	Waugoola	29,525	32,639	62,164
	Weddin		15,545	15,545
	Wellington		51,794	51,794
	Wentworth	424	36,400	36,824
	Windouran		44,813	44,813
	Wingham		2,596	2,596
	Wingecarribee		46,858	46,858
	Wollondilly	60,263	111,740	172,003
	Wollongong	170,274	80,403	250,677
	Woodburn	151,818	25,905	177,723

* Credit

APPENDIX NO. 9 - continued

COUNTRY MAIN ROADS FUND - continued

Summary of Payments from Department's Funds on Maintenance and Minor Improvement - Continued

Road No.	Location of Work	Work Carried Out By		Total
		Department	Council	
		\$	\$	\$
TRUNK AND ORDINARY MAIN ROADS - continued				
	Wyong	1,150	76,151	77,301
	Yallaroi		40,447	40,447
	Yarrowlumla		62,787	62,787
	Yass		326	326
	Young		1,700	1,700
	Total - Trunk and Ordinary Main Roads	1,837,434	8,316,512	10,153,946
TOURIST ROADS				
	Abercrombie		170	170
	Coffs Harbour		144	144
	Cooma		314	314
	Coonabarabran		1,941	1,941
	Dumaresq		2,076	2,076
	Goodradigbee		8,595	8,595
	Gosford		1,791	1,791
	Great Lakes		1,856	1,856
	Guyra		38	38
	Hastings		9,409	9,409
	Imlay		1,704	1,704
	Maclean		266	266
	Macleay		1,656	1,656
	Nambucca		2,046	2,046
	Port Macquarie		2,276	2,276
	Scone		756	756
	Snowy River	608	2,368	2,976
	Tamarang		18	18
	Tintenbar		1,216	1,216
	Tweed		4,462	4,462
	Wagga Wagga		233	233
	Wingecarribee		543	543
	Wollondilly		1,487	1,487
	Wollongong		371	371
	Total - Tourist Roads	608	45,736	46,344
SUMMARY				
	Freeways	60,099		60,099
	State Highways	9,420,071	608,853	10,028,924
	Trunk and Ordinary Main Roads	1,837,434	8,316,512	10,153,946
	Tourist Roads	608	45,736	46,344
	Bridges and Ferries not on classified Roads	162,435		162,435
	Flood Restoration Work	22,844*	27,337	4,493
	Supervision, Traffic Striping, Signposting, and Allowances to Councils, etc.	1,735,685	215,371	1,951,056
	Total as shown in Receipts and Payments Statements - Appendix No. 1(C) (i)	\$13,193,488	\$9,213,809	\$22,407,297

* Credit

APPENDIX NO. 10

PROCLAMATION OF MAIN ROADS 1972-73

During the year the following extensions of existing Main Roads were proclaimed.

City, Municipal or Shire Area	Date of Proclamation	Road No.	Description	Mileages
			By Government Gazette of the 7th July, 1972 the proclamation of State Highway No. 4 (Snowy Mountains Highway) was altered to junction with State Highway No. 19 approximately 6 miles south of, instead of at, Nimmitable.	Nil miles
			By Government Gazette of the 7th July, 1972 the proclamation of Trunk Road No. 51 altered to exclude that part within the Australian Capital Territory.	Nil miles
			By Government Gazette of the 1st December, 1972 the proclamation of Main Road No. 227 was altered to exclude that part of Cronulla Street, Waratah Street and Ewos Parade, and to include that part of Kingsway between Cronulla Street and Elouera Road.	1.46 miles
			By Government Gazette of the 8th December, 1972 the proclamation of Main Road No. 315 was altered to exclude that part of Albert Road, Strathfield Square and The Boulevarde to Redmyre Road and to include that part of Raw Square, as extended, and Redmyre Road from Raw Square to The Boulevarde.	Nil miles

APPENDIX NO. 10A

PROCLAMATION OF TOURIST ROADS 1972-73

During the year the following Tourist Road was proclaimed

City, Municipal or Shire Area	Date of Proclamation	Road No.	Description	Mileages
Eurobodalla	27.10.72	4055	The road from the Prince's Highway (State Highway No. 1) at a point approximately 6.25 miles south of Narooma generally south-easterly to Mystery Bay, a distance of approximately 2.3 miles.	2.30

APPENDIX NO. 11

DECLARATION OF SECONDARY ROADS 1972-73

During the year the following Secondary Road was extended

City, Municipal or Shire Area	Date of Declaration	Road No.	Description	Mileage
			By Government Gazette of the 24th November, 1972 the declaration of Secondary Road No. 2075 was extended to include the Boulevarde east of Taren Point Road (Main Road No. 199), Captain Cook Drive and Elouera Road to Kingsway (Main Road No. 227).	3.28 miles

APPENDIX NO. 12

PROCLAMATION OF DEVELOPMENTAL ROADS 1972-73
During the year the following Developmental Road was proclaimed

City, Municipal or Shire Area	Date of Proclamation	Road No.	Description	Mileage
Colo	8.12.72	1322	The part of Mountain Lagoon Road between the north-eastern corner of Portion 50, and the south-western corner of Portion 44, Parish of Wheeny, at 3.9 and 9.0 miles respectively from Main Road No. 184.	4.63

DEPROCLAMATION OF DEVELOPMENTAL ROADS 1972-73
During the year the following Developmental Roads were deproclaimed or partly deproclaimed

City, Municipal or Shire Area	Date of Proclamation	Road No.	Description	Mileage
Hastings	1. 9.72	1094	That part of Kindee Creek Road approximately two miles long, northwesterly from the Oxley Highway (State Highway No. 11).	2.20
Lachlan	1. 9.72	1145	The road from Burcher Railway Station westerly to Trunk Road No. 57 excluding the section from 13 chains to 37 chains west of the junction with Developmental Road No. 1144 within the village of Burcher.	6.69
Manning	1. 9.72	1209	That part of the Mount George - Nowendoc Road within the Shire of Walcha.	6.55
Lachlan	8. 9.72	1139	That part of the road northerly from Weja Railway Siding between Shire Roads Nos. 136 and 132.	1.15
Murrumbidgee	8.12.72	1283	That part of the road along the western side of the Coleambally Canal from the Sturt Highway (State Highway No. 14) southwesterly for a distance of 5.2 miles.	5.54
Jerilderie	15.12.72	1314	That part of the road from Main Road No. 596 near Blocks 118 and 119, Coleambally Irrigation Area between Cadell and Bridge Roads a distance of 2.5 miles.	2.50
Carrathool	19. 1.73	1071	That part of the road from the southern corner of Portion 18 Parish of Goolgowi County of Nicholson northeasterly to Main Road No. 368.	15.98
Namoi	19. 1.73	1182	That part of the Narrabri-Mount Kaputar Road 4.1 to 5.1 miles east of Narrabri.	1.00
Carrathool	19. 1.73	1222	That part of the road from the southwestern corner of Portion 77 Parish of Bendigo, County of Sturt, southerly to the Bringagee Railway Siding.	12.81
Blaxland	16. 2.73	1300	The Boulder Road from Trunk Road No. 55 approximately 2.5 miles north-west of Blackman's Flat generally westerly for approximately 2.7 miles to East Portland.	2.70
Copmanhurst	9. 3.73	1179	That part of Coaldale Road measured Main Roads No. 150 from 2.28 to 6.55 miles and 18.70 to 21.34 miles.	6.57
Tumbarumba	23. 3.73	1171	That part of the road from 5.45 miles east of Welaregong via Greg Greg to Bringurong Bridge over The Murray River together with a branch road leading across the Murray River near Towong (Victoria).	14.17
Canobolas	30. 3.73	1219	That part of the road running northeast from the Orange-Ophir Road at Clifton Gardens from 0.0 miles to 6.43 miles.	6.23
Tumut	13. 4.73	1215	That part of the Yaven Yaven Creek Road from a point approximately 22.9 miles south of the Snowy Mountains Highway (State Highway No. 4) easterly to Trunk Road No. 85.	6.84
Byron Mullumbimby.	8. 6.73	1043	The road from Mullumbimby up the main arm of the Brunswick River to State Forest No. 356.	8.81
Gundurimba	15. 6.73	1132	From the north-eastern boundary of Tomki Shire at Pelican Creek generally south-easterly to Clovass-Caniaba Road within Portion 48, Parish of South Gundurimba, County of Rous.	1.69

APPENDIX NO. 13

DEPROCLAMATION OF DEVELOPMENTAL WORKS 1972-73
During the year the following Developmental Works were proclaimed

City, Municipal or Shire Area	Date of Proclamation	Road No.	Description	Mileage
Guyra Bingara	28. 7. 72	3156	The construction of a low-level bridge over the Gwydir River near Copeton on the boundary between Bingara and Guyra Shires.	
Coolah	1. 9. 72	3131	The construction of the extension of the bridge over the Castlereagh River at Beni Crossing on the road from Main Road No. 334 at 6 miles north of Mendooran.	
Conargo	27.10. 72	3166	The following works on the Coree Road between the Riverina Highway (State Highway No. 20) and Developmental Road No. 1241: <ol style="list-style-type: none"> 1. The work of clearing, forming and loam pavement construction from 5.65 miles to 8.1 miles from State Highway No. 20 2. The work of reforming and loam pavement strength- ening from 8.1 miles to 9.65 miles from State Highway No. 20. 	
Severn	8.12. 72	3032	The construction of the road from Glen Innes to Emmaville between 11½ miles and 16 miles from Glen Innes known as Rummery's Hill.	
Wingecarribee	2. 3. 73	3108	The construction of the Foxgrove Road from its junction with the Canyonleigh Road approximately 3 miles west of the Hume Highway (State Highway No. 2) generally northerly for approximately 1¼ miles.	
Nundle	9. 3. 73	3175	The construction of a bridge and immediate approaches over Sugarloaf Creek on the Garoo Road at approximately 17.2 miles from Nundle.	

APPENDIX NO. 14

MILEAGES OF FREEWAYS, STATE HIGHWAYS, TRUNK ROADS, ORDINARY MAIN ROADS,
SECONDARY ROADS, TOURIST ROADS AND DEVELOPMENTAL ROADS IN NEW SOUTH WALES
FOR THE FIVE YEARS ENDED 30TH JUNE, 1973

	At 30th June				
	1969	1970	1971	1972	1973
County of Cumberland Area -					
Freeways	10	12	13	16	25
State Highways	193	194	194	194	194
Ordinary Main Roads	662	673	685	675	671
Total all Main Roads and Freeways	865	879	892	885	890
Secondary Roads	164	176	170	177	180
Tourist Roads	51	51	53	53	53
Developmental Roads	14	14	14	14	14
Total all Classified Roads	1,094	1,120	1,129	1,129	1,137
Country Area -					
Freeways	14	14	14	14	14
State Highways	6,342	6,345	6,342	6,341	6,333
Trunk Roads	4,210	4,245	4,332	4,375	4,374
Ordinary Main Roads	10,888	10,899	10,828	10,838	10,800
Total all Main Roads and Freeways	21,454	21,503	21,516	21,568	21,521
Tourist Roads	168	168	190	198	193
Developmental Roads	2,705	2,728	2,656	2,539	2,407
Total all Classified Roads	24,327	24,399	24,362	24,305	24,121
Total for whole State -					
Freeways	24	26	27*	30*	39
State Highways	6,535	6,539	6,536	6,535	6,527
Trunk Roads	4,210	4,245	4,332	4,375	4,374
Ordinary Main Roads	11,550	11,572	11,408	11,513	11,471
Total all Main Roads and Freeways	22,319	22,382	22,408	22,453	22,411
Secondary Roads	164	176	170	177	180
Tourist Roads	219	219	243	251	246
Developmental Roads	2,719	2,741	2,670	2,553	2,421
Total all Classified Roads	25,421	25,518	25,491	25,434**	25,258**

* Excludes three miles of freeways which are proclaimed Main Roads

** In addition, the Department is responsible for the full cost of works on unclassified roads in the unincorporated area in the western part of the State, totalling 1,490 miles and is also responsible for a length of 39 miles in the incorporated area.

APPENDIX NO. 15

DISTRIBUTION BETWEEN THE DEPARTMENT AND COUNCILS OF RESPONSIBILITY
FOR CARE AND CONTROL OF ROADS AT 30TH JUNE, 1973 IN ACCORDANCE WITH
THE PROVISIONS OF THE MAIN ROADS ACT, 1924

		County of Cumberland *	Country	Total
		miles	miles	miles
1.	Roads which are the responsibility of the Department of Main Roads -			
(a)	Where work was carried out by the Department -			
	Freeways	25	14	39
	State Highways	190	5,699	5,889
	Trunk and Ordinary Main Roads in the Eastern and Central Divisions other than the Country of Cumberland		644	644
	Ordinary Main Roads in the County of Cumberland	383		383
	Unincorporated area of the Western Division			
	Trunk and Ordinary Main Roads		474	474
	Unclassified Roads		1,490	1,490
(b)	Where work was carried out for the Department by Councils -			
	State Highways	4	634	638
	Ordinary Main Roads in the County of Cumberland	289		289
2.	Roads which are the responsibility of Councils assisted by the Department of Main Roads -			
	Trunk and Ordinary Main Roads other than in the County Cumberland		14,056	14,056
		891	23,011	23,902

* County of Cumberland refers to the area defined in Part IV, Section 9 of the Main Roads Act, 1924.