## city viaduct city viaduct DOREL COATINGS



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This finish was used on the sides of the Vivian Street Vladuct.

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WINNCOTE COATINGS. ... TEXTURE CEILING WALL

WATER PROOFING SPRAY PAINTING

Carrington Street viaduct key to one-way traffic in CRANE

NP's centre

The Carrington St Viaduct, one of New Plymouth's mos impressive examples of civil engineering, will be opened tomorrow by the city's Mayor, Mr D. V. Sutherland. The structure, which links Vivian St and Leach St, forms

part of a one-way pair street system which comes into operation on Monday.

The viaduct link creates a further east-west route across

the city — and the one-way system is designed to move traf-fic faster, thus relieving congestion in the commercial cen-

### A Daily News Special Feature

The bridge is 120 metres (350 ft) long, has two west-bound lanes, and a pedestrian walkway on the southern side.

Work on the site started in May last year. The viaduct itself and approaches have been completed, but other work will continue during the next financial year on lining and culverting part of the Huatoki Stream and building an on-ramp to Vivian St from Carrington St.

When this work is finished the job will have cost about \$800,000, most of it funded by the National Roads Board.





Also available for hire: 14 Forklifts, Concrete Pump, Com-pressors, Concrete Cutting Equipment and a range of other Plant for Hire.

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to join a long list built over the years by RIDDICK BROS & STILL LTD.

Many areas of Taranaki's building expansion bear the mark of Riddick Bros & Still Ltd. Industrial buildings, commercial premises, civil engineering projects, property development — and bridges.

The Vivian Street viaduct provides an important link in the east/west flow of traffic, and joins a long list of bridges built by this company.

- JULIET ST. BRIDGE, STRATFORD, 1935
  RAPANUI BRIDGE, 1936
  HUATOKI BRIDGE, Persons 51-, N.P., 1
  MANOA ORAKA BRIDGE, 1935
  KRIS STREAM BRIDGE, 1939
  WAIWAKA TERRACE BRIDGE, 1940
  THE HEAUL GULVERT MOTORWAY, 1934
  THE HEAUL BRIDGE, 1940
  WAIGNOONA OVERBRIDGE, 1948
  WAIGNOONA OVERBRIDGE, 1948
  MULATOKI CULYET, DOVON 51-, 1948
  MULATOKI CULYET, DOVON 51-, 1973
  MILL ROAD BRIDGE, 1973 ns St., N.P., 1956

Another successful project by -

# RIDDICK BROS & STILL

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WE APPLIED FORMROK EPOXY RESIN TO THE STAIRS AND LAN-DINGS ON THE VIADUCT.

We're

And we're are a little proud too That's because the designers of the new Vivian Street Viaduct, Thomson, Buchan and Chong, chose us to supply all the precast and post-tensioned concrete to the contractors, Riddick Bros. and

delighted.

Still Ltd.
Congratulations to the city. And thanks. We're delighted to have you run

...to have you

run over ur!

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STRATFORD

over us.

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# city viaduct city viaduct city viaduct

Under the road



### Finished three months ahead of schedule

ject.
The city engineer's estimate for the job was \$434,000.
McMillan and Julian Ltd won the pilling contract with a bid of \$88,119, against the engineer's estimate of \$73,000.

enginee imate of \$78,600. There were ther tenderers.

other tenderers.
Design and
specifications were
handled by New
Plymouth consultants
Thomson, Buchan
and Chonz.
They were also
responsible for the
Buatoti Stream lining
and culvert for the orramp and this project
will go out for tender
shortly.
The viaduct at-

The viaduct attracted a \$3 for \$1 NRB subsidy and the city council's share was raised mainly by loan.

AHEAD The viaduct has been completed three months ahead of schedule.

schedule.
Riddick Bros and
Still experienced a
good work flow, a
good material supply,
and little bad

A spokesman for the company said that if anything helped the work rate it was good foreman manage-ment and a pleasant site.

Riddicks boxed and poured the viaduct's piers themselves.

The pre-stressed T-beams which the piers support were cast at Stratford by Stressed Products

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component.
All the options examined for an alternative northern outlet over the Walwakalho River included the one-way pair.
The alternative outlet however.

Leach St was born in the optimistic 1969s when the National Roads Board had an abundance of money and enthusiastic Mr Ted Borrell former town planning consultant to the city with the first official with the first official

FIRST SCHEME

A Daily News Because of the ty's confinement Special Feature

native of a two-lane arterial link between the floyer what we arterial link between the spiles into three wanted, "he said.

"Development at Development at Bell Block and the adopted by the NRB, spiles and the adopted by the NRB, spiles, and the adopted by the NRB, spiles, and the adopted by the NRB, spiles, and the adopted by the ado

The creation of a further cross-town route on Leach St — Vivian St will take a significant amount of



City Engineer's Department

THE ONE WAY PAIR - MONDAY THINK!

BE POSITIVE-PLAN YOUR COURSE

But if you do muff it pull quietly to the side of the road and turn back when clear

THINK!

And by the way - those FREE MAPS are still available from.
POWDERHAM PETROL STATION LTD.

### Congratulations

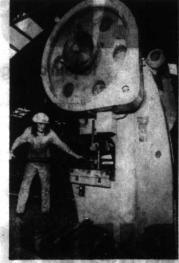
to the New Plymouth City Council on the opening of the VIADUCT BRIDGE and for having adopted a new concept . . . ALUMINIUM EXTRUSION for the hand railing.

The successful execution for the hand railing work demanded a large degree of accuracy in the cutting, punching and drilling of the various component parts.

We have the toolmaking facilities for die fabrication, power presses for the blanking and punching of holes and other ancillary equipment for cutting, drilling and tapping to the highest standard.

illustrated on right is our 63 ton mechanical power press, used for blanking holes and shallow pressing (draw forming).

We welcome enquiries for the cutting, folding or punching of component parts of up to 3/16" thick steel plate.





493a Devon St. East, Strandon, New Plymouth. Phone 80469.

# city viaduct city viaduct city viaduct



### **Infinished**

The Carrington St viaduct and one-way pair project in New Plymouth is not quite finished, but it is suffi-ciently advanced to be brought into use

Still to be con-structed is an on-ramp to carry traffic from Carrington St up onto Vivian St.

Stream running under the structure must be lined and culverted. Traffic signals will also be needed, but their location cannot be determined until the system is evaluated after prac-tical experience. The final cost will

The final cost will be about \$800,000,

### **HUME INDUSTRIES** CONGRATULATE NEW PLYMOUTH ON THE NEW VIADUCT

Humes are proud that their pin crib walling and BG Turf Slabs were used on this impressive project.

And Humes remind you they make V Blocks and Paving Slabs for the home gardener.

Rimu Street

**New Plymouth** 

### THOMSON **BUCHAN & CHONG**

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Congratulations to the New Plymouth City Council on the opening of the VIADUCT

for which we are proudly associated in supplying all the

READYMIX CONCRETE



# **INGLEWOOD MOTORS**

We carried the beams for the Vivian Street Viaduct

have over 20 s and will under of





For all types of heavy carrying con-

### **INGLEWOOD MOTORS**

Opposition to plan change

"For people such as e Chamber of

much nonsense, said. "It has be continuing exercise since 1965 and the advisery committee spent 13 months on the review. "We must

mille the new
capacity of 32,000
vehicles per day.
"We know the NRB
and Ministry of Works
considered the oneway pair and viaduct
a good investment
because they aid for
much of it.

of an integrated transportation system to shift traffic across the city faster and channel it on to a and channel if on to a second northern outlet over the Walwakaiho River.

The recent decision to drop the second outlet in favour of a different and less costly scheme more likely to attract National Roads Beard support, brought pressts on two principal grounds — the original southern successives of the successive of

city and there will be needed a total reorganisation of traffic flows in all streets crossing the pair.

The Mayor, Mr D. V. Sutherland, has shouldered the representability. thern outlet.

The main critics have been the New Plymouth Chamber of Commerce, and the city council works rering the critics.

'HASTY'

city council works
committee chairman,
Mr L. W. Penrose.
Mr Penrose made a
determined but abortive bid to upset the
council's decision in northern alignment for the arterial link, as recommended by the transportation ad-



"We had both public and editorial support for that system. Now that it has been substantially altered, it can only be assumed that the viaduct is an unjustifed extravagance.

"I see little point in having a one-way pair if it will only succeed in speeding traffic to the same old bot-tleneck at Fitzroy," he said.

he said.

The New Plymouth Chamber of Comstance's trade and transport sub-committee was no less vehement in its

The chairman, Mr G. R. Greenbank, ac-cused the council of giving the public in-sufficent time to con-sider the amended

His

His sub-committee's report compared the merits and demerits of the two routel alignments. The adopted nor-thern alignment was particularly critised because it would do

particularly crticised because it would do nothing to eliminate the existing Waiwakaiho bridge bottleneck and, for a "very small dif-ference in cost, would result in further gross interference" with pouseholders result in further gross interference" with householders. The viaduct and one-way pair were singled out for special

mention.

"The subcommittee is
critical," said the
report, "of the proposed one-way pair
and has strong doubts
that this has the
volume of traffic to
warrant such restrictive measures.

"The improvement
of Vivian St is an addi-

# The Vivian/Leach St Viaduct moves! Thanks to Repco Glacier structural bearings.



Movement must be allowed for in-bridges to avoid damaging stress and strain.
In the Vivian/Leach St Viaduot. Repoo Glacier structural bearings have been installed for this purpose. This attractive New Plymouth bridge construction is the latest use of the Repoo Glacier structural bearings range in a story of success that stretches across the world from stretches across the world from Scandanavia to Australesia. In New Zealand the success continues.

ntinues. The giant new NAC hangar to

be erected at Christonurch wan have Glacier structural Bearin so will the Auckland Universit School of Architecture (and it should know!). The Shell BP Todd/Oanui Production will be equipped v saddle support bearings. The Hughty Power Station – support bearings for pressure heaters.

heaters.

The new road Bridge at Mangere in Auckland –

Watertight Honel expansion joints to allow for Linear movement in heavy density traffic.



### We capped off the viaduct with a fine asphaltic surface



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