

Submission on State Highway Review

Subject: SH 73 & 74 Relocations: Christchurch City

Purpose

1. To recommend changes to the State Highway network arising from the relocation of SH 73 and 74 within Christchurch City.

Attachments

2. Attachment: 1 SH 73 – Proposed Revocations / Declarations Christchurch West
- Attachment: 2 SH 74 – Proposed Revocations / Declarations Christchurch East

Background

3. In the 1991 State Highway Review State Highway 1 was relocated from the centre of the city to provide a bypass to the west. The new route, which also serves the Airport, extends from Main North Road along Johns Road/Russley Road/Masham Road Carmen Road to Main South Road.
4. The previous SH 1 was re-declared SH 73 and SH 74 to maintain state highway access to the Port of Lyttelton and the city centre.
5. A further change arising from the 1991 Review was to revoke SH 73 from Blenheim Road along Curletts Road, Peer Street and Yaldhurst Road to Russley Road. The key reasons for this change were to avoid a parallel highway and it was considered that the proposed route would be the accepted route for arterial traffic to the Port.
6. The 1996 State Highway Review determined that State Highway 74 would be relocated from the current route through the centre of Christchurch to the eastern side of the city, once the Burwood Expressway was constructed. Subsequently Transit agreed to jointly fund the Woolston/Burwood Expressway as proposed state highway with a Transit contribution of \$5.3m of the total cost of \$15.3m. Stages 1a and 1b are now complete and a contract has been awarded for Stage 2 with expected completion by April 2003.

Proposed State Highway 73 Relocation and Consequences

7. It is proposed to revoke SH 73 from the intersection of Curletts Road/Blenheim Road, via Blenheim Road, Main South Road, to the Main South Road/Carmen Road intersection, then via Carmen Road and Masham Road to the Masham Road/Yaldhurst Road/Russley Road intersection, and to declare as SH 73 the section of road from the intersection of Curletts Road/Blenheim Road via Curletts Road, Peer Street and Yaldhurst Road, to the Masham Road/Yaldhurst Road/Russley Road intersection.
8. This reinstates the pre-1991 situation and recognises existing travel patterns from the west and the strategic nature of the route. The Peer Street/ Curletts Road section is also part of the Christchurch Ring Road.

9. The speeds on the proposed route are either 50km/h or 60km/h. Traffic volumes range from 19,000 to 30,000vpd. There are no known natural hazards.
10. To maintain continuity of the route from SH 1 at Carmen Road to the Port it is also proposed that the section of existing SH 73 from Curletts Road to Carmen Road be re-declared SH 73A. SH 73A would be relocated to the Southern Motorway on its completion.

Work to be Undertaken

11. Yaldhurst Road is a high quality route. Transit upgraded the section from Peer Street to Racecourse Road to a four-lane median divided road in the early 1990's. The City Council has recently upgraded the section from Racecourse Road to Steadmans Road. This section is now three lanes, with two lanes into the City and one lane out, separated by a flush median. Lighting is to arterial standard.
12. The City is currently upgrading part of Curletts Road with new kerb and channels, flush medians, cycle lanes and pedestrian signals to provide safe access for children walking to Riccarton High school. This work is due to be completed in September 2002 and will provide an improved level of service for road users.

Proposed State Highway 74 Relocation and Consequences

13. It is proposed to revoke SH 74 from the intersection of Main North Road/Queen Elizabeth II Drive via Main North Road, Cranford Street, Sherbourne Street, Bealey Avenue Barbadoes Street/Madras Street, Moorhouse Avenue, Waltham Road, Brougham Street, Opawa Road, Port Hills Road to the Port Hills Road Interchange and declare as SH 74 the section of road from the intersection of Main North Road/Northcote Road/ Queen Elizabeth II Drive via Queen Elizabeth II Drive, Travis Road, Anzac Drive, Bexley Road, Dyers Road to the Tunnel Road which is already state highway and links to the Port Hills Road Interchange.
14. This is a change from the recommendation in the 1996 review, which recommended Marshland Road rather than Main North Road. Main North Road is the higher quality route and has been supported by the NROSS Studies.
15. The proposed route will provide a bypass to the east of the city complementing SH 1 to the west. It is considered vital that the central city and the industrial area immediately to the south of the central city are well served by the State Highway network.
16. However to complete the eastern bypass requires the declaration of Palinurus Road, Rutherford Street and Garlands Road to the intersection with Opawa Road/Brougham Street as SH 74A. This route then becomes a replacement for the existing SH 74 using Cranford, Barbadoes and Madras Streets in providing a service from the north of the city to the city centre and the industrial area in the south.
17. Further, there is the added benefit of improving the State Highway linkage between the eastern and southern parts of the city. With the eastern section of the Christchurch Ring Road designated as State Highway, it can be clearly recognised and signed as a high quality route of preference for commercial traffic ahead of roads through the centre of the city.

18. The speeds on the proposed route SH 74 are generally 70km/h and 80km/h except for a 50km/h section on Travis Road. Following completion of Stage 2 of the Burwood Expressway traffic volumes are expected to range from 12,000 to 22,000vpd. There are no known natural hazards.
19. The speeds on the proposed route SH 74A are 50 km/h.

Work to be Undertaken

20. The proposed SH 74 route is generally of recent construction and has been designed to avoid flooding. There are minor issues related to noise and vibration on a short section of Dyers road but these can be addressed with the addition of a good quality surface. Also, it will be desirable to upgrade the section from Birch Street to Bridge Street to meet traffic demands and ensure route consistency. This work has the support of the Christchurch City Council however progress will be dependent on funding. In anticipation of the state highway relocation, the reconstruction of the intersection of Dyers Road/Linwood Avenue is currently fully funded as a state highway project. Design is underway with construction proposed in 2003/03.
21. On the proposed SH 74A route, Council have work in hand to improve access onto Rutherford Street and to improve the road layout on the Garlands/Rutherford/Palinurus Route to bring it up to state highway standards. This work includes flush medians and turning bays and should be completed by December 2002.

Christchurch Ring Road

22. Consideration was given to including the balance of the ring road from the Peer Street/Yaldhurst Road intersection via Peer Street, Waimairi Road, Grahams Road, Greers Road, and Northcote Road to Northcote Road/Main North Road/Queen Elizabeth II Drive intersection as state highway. At this stage it was considered premature because of community concerns, however this issue should be raised at a future review.

Recommendation

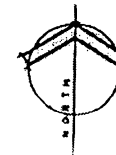
23. That Transit:
 - a) Revokes SH 74 from the intersection of Main North Road/Queen Elizabeth II Drive via Main North Road, Cranford Street, Sherbourne Street, Bealey Avenue, Barbadoes Street/Madras Street, Moorhouse Avenue, Waltham Road, Brougham Street, Opawa Road, Port Hills Road to the Port Hills Road Interchange, and
 - b) Declares as SH 74 the section of road from Main North Road via Queen Elizabeth II Drive, Travis Road, Anzac Drive, Bexley Road, Dyers Road and Tunnel Road to Port Hills Road Interchange, and
 - c) Declares as SH 74A the road from the intersection of Dyers Road and Palinurus Road, via Palinurus Road, Rutherford Street and Garlands Road to the Opawa Road/Brougham Street intersection.

- d) Revokes SH 73 from the intersection of Curletts Road/Blenheim Road, via Blenheim Road, Main South Road, Carmen Road and Masham Road to the intersection of Masham Road/Yaldhurst Road/Russley Road, and
- e) Declares as SH 73 the section of road from the intersection of Curletts Road/Blenheim Road via Curletts Road, Peer Street and Yaldhurst Road to the intersection of Masham Road/Yaldhurst Road/Russley Road, and
- f) Declares as SH 73A the revoked section of SH 73 from the intersection of Curletts Road/Blenheim Road via Blenheim Road, Main South Road to the intersection of Carmen Road/Main South Road/Shands Road.

Robin Odams
Regional Manager
Transit New Zealand

Stephen Matheson
City Streets Manager
Christchurch City Council

WAIMAKARIRI RIVER



Declare as SH 73 the section of road from the intersection of Curletts Road / Blenheim Road via Curletts Road, Peer Street, Yaldhurst Road to the intersection with SH 1 (Masham Road / Yaldhurst Road / Russley Road intersection)

Revoke the section of SH 73 from Main South Road to Yaldhurst Road

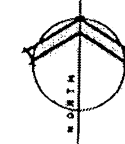
Declare as SH 73A the section of SH 73 from the Curletts Road / Blenheim Road intersection via Blenheim Road, Main South Road, to the intersection with Carmen Road / Main South Road

REGION 11 - STATE HIGHWAY REVIEW - SH 73 - PROPOSED DECLARATIONS / REVOCATIONS

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WAIMAKARIRI RIVER



Declare as SH 74 the section of road from Main North Road via Queen Elizabeth II Drive, Travis Road, Anzac Drive, Bexley Road, Dyers Road, Tunnel Road to Port Hills Road Interchange

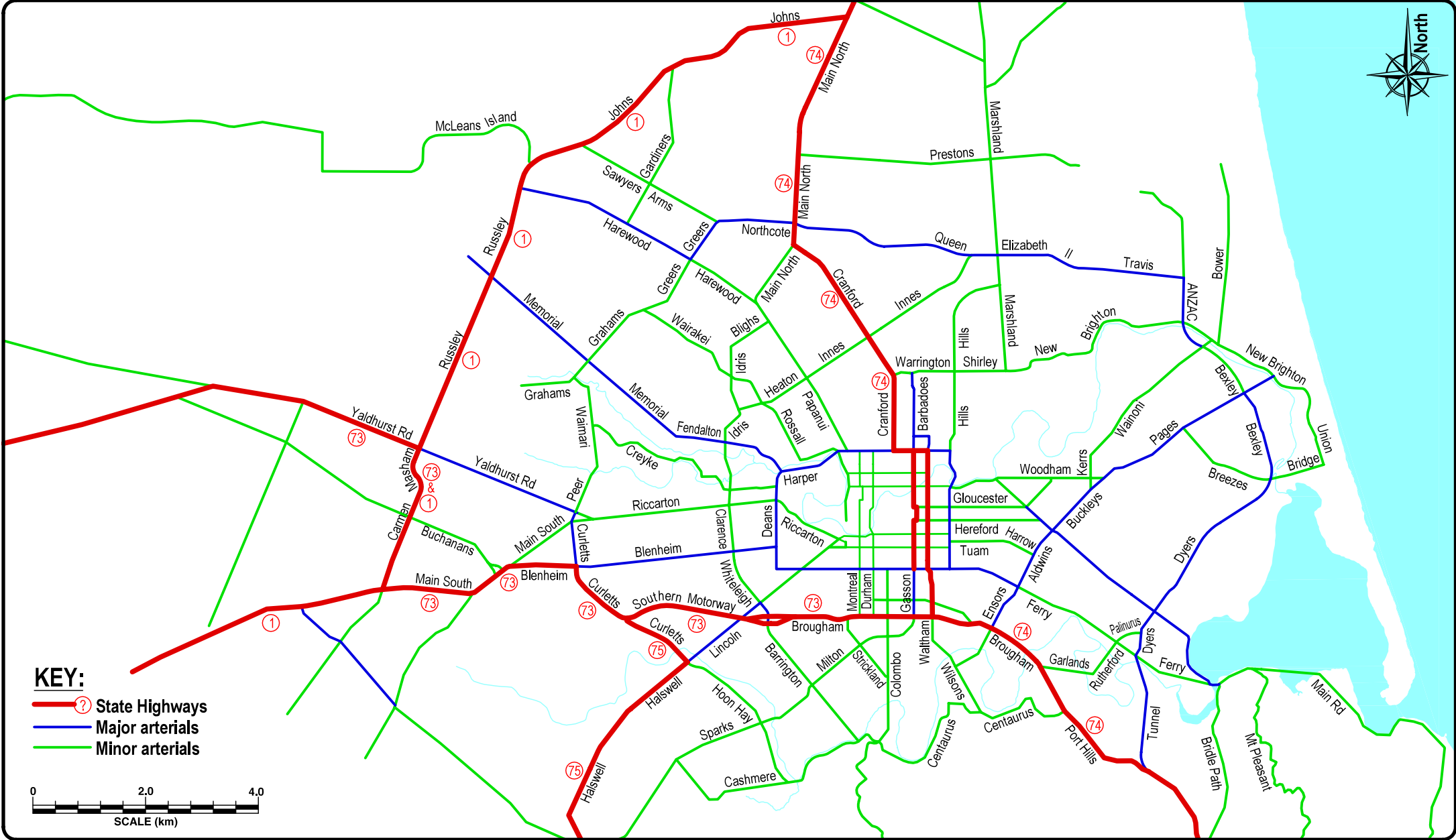
Revoke SH 74 from the intersection of Main North Road / QE II Drive via Main North Road, Cranford Street, Sherbourne Street, Barbadoes Street, Madras Street, Moorhouse Avenue, Waltham Road, Brougham Street, Opawa Road, Port Hills Road to the Port Hills Road Interchange

Declare as SH 73 the section of SH 74 from the intersection of Waltham Road / Brougham Street via Brougham, Opawa Road, Port Hills Road to the Port Hills Road Interchange.

Declare as SH 74A the section of road from Dyers Road via Palinurus Road, Rutherford Street, Garlands Road to the intersection with Brougham Street / Opawa Road

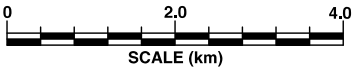
REGION 11 - STATE HIGHWAY REVIEW - SH 74 - PROPOSED DECLARATIONS / REVOCATIONS





KEY:

- ? State Highways
- Major arterials
- Minor arterials

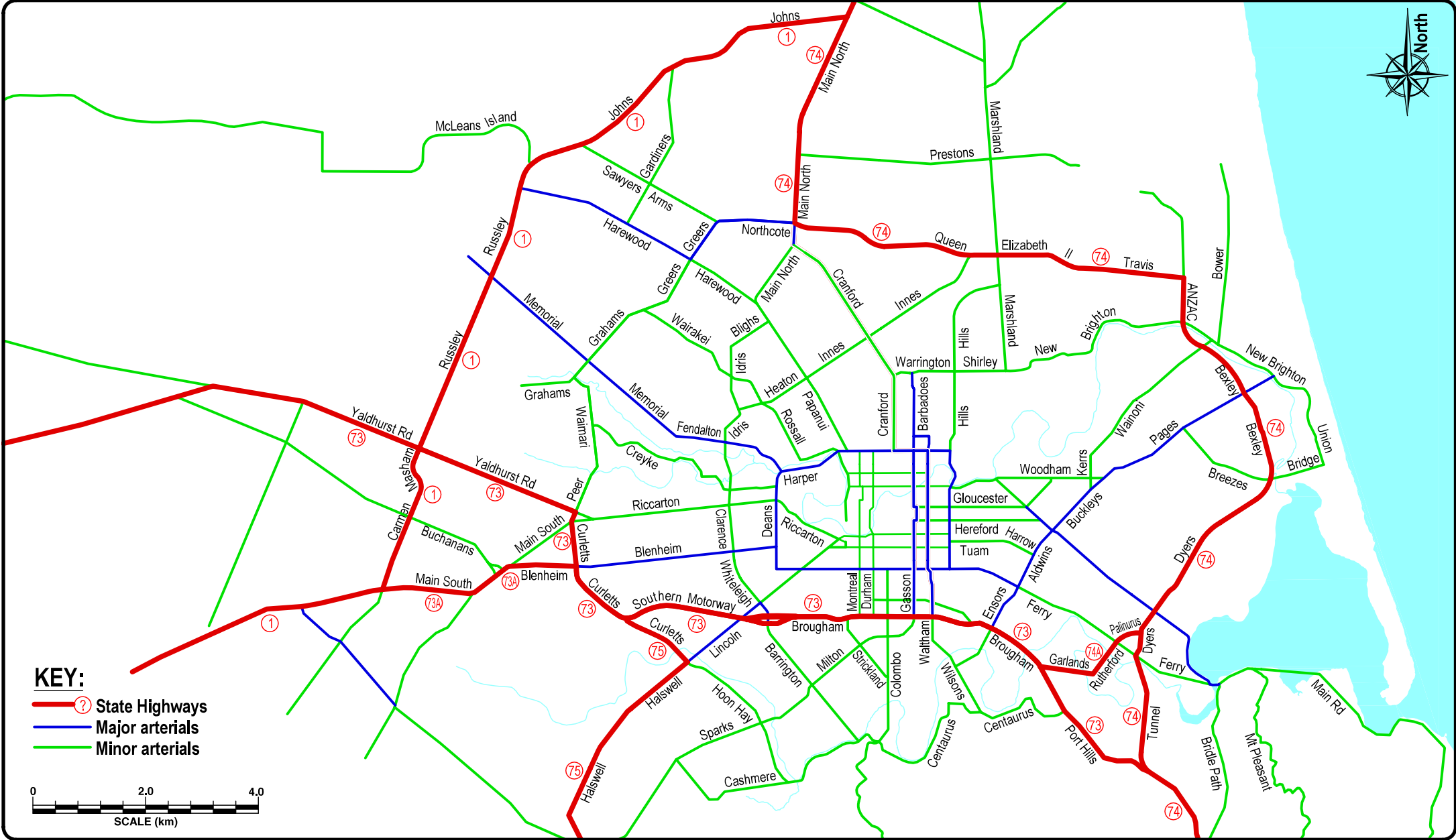


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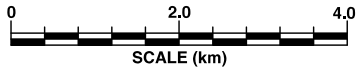
EXISTING STATE HIGHWAY NETWORK

SCALE AS SHOWN
TG003104
SHEET 1 OF 2



KEY:

- ? State Highways
- Major arterials
- Minor arterials



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PROPOSED STATE HIGHWAY NETWORK

SCALE AS SHOWN
TG003105
SHEET 2 OF 2