

Steve Spence

From: Rhona Hewitt <Rhona.Hewitt@gw.govt.nz>
Sent: Tuesday, 26 January 2016 10:17 a.m.
To: Geoff Swainson; Steve Spence
Cc: Wayne Hastie
Subject: Johnsonville Interchange - Bus stop requirements
Attachments: Johnsonville Interchange Bus Stop Requirements.DOCX

Hi Geoff/Steve

As promised following our meeting last week attached is the up to date bus stop requirements for an on street bus interchange on Moorefield Rd. Happy to discuss further as you work through the plans for the library/community centre development, as the detail will need to be refined as the exact location for a potential interchange on Moorefield Rd becomes clearer.

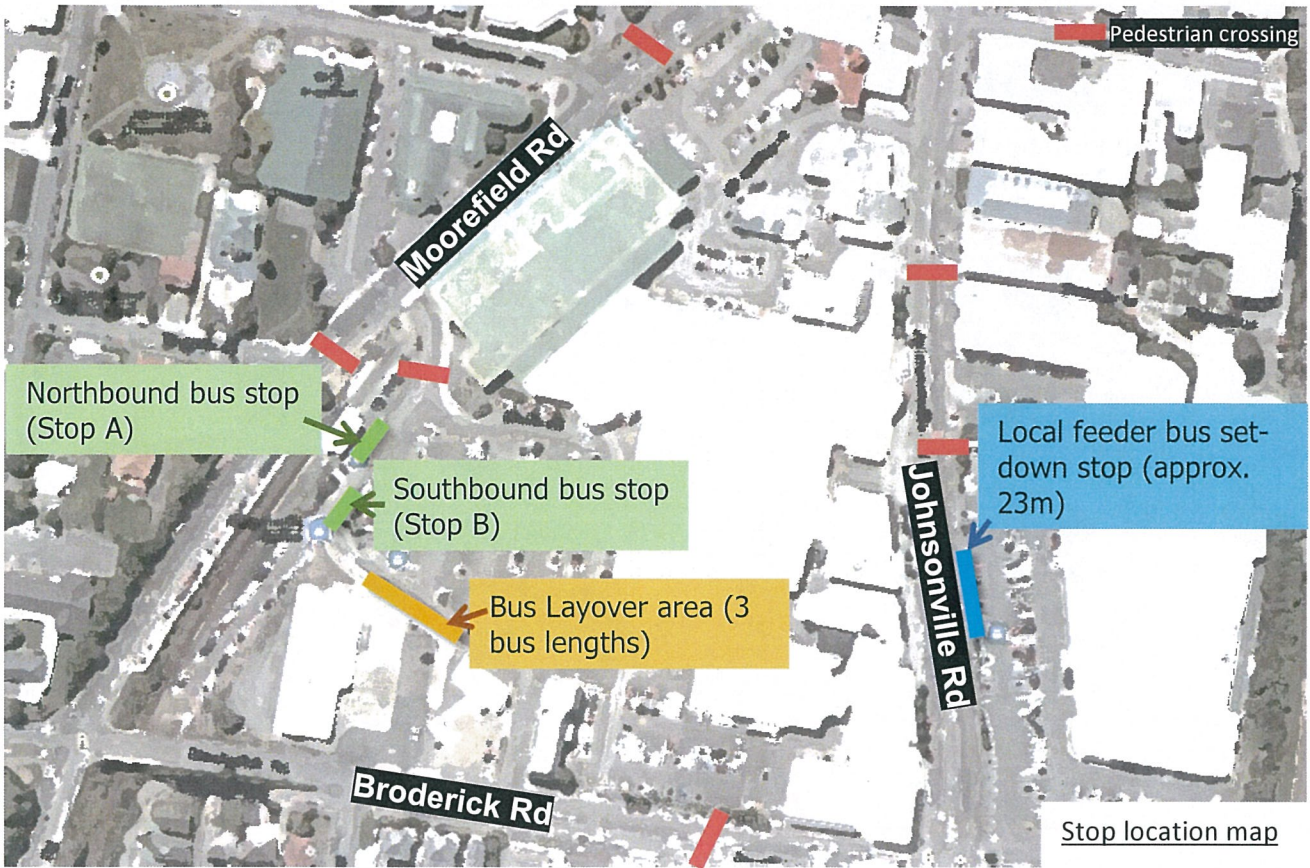
Regards

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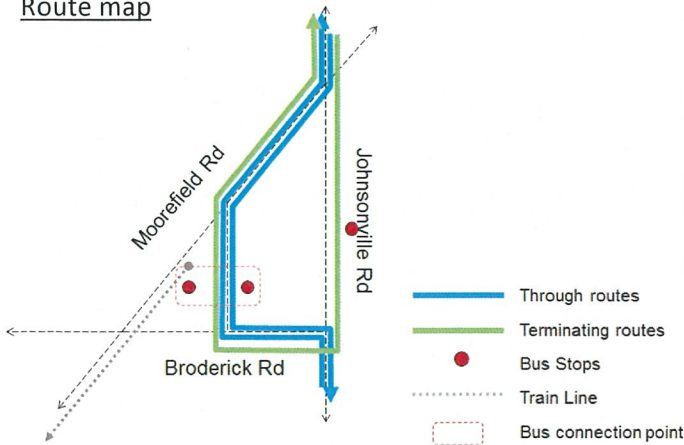
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Current Layout – Johnsonville Rd

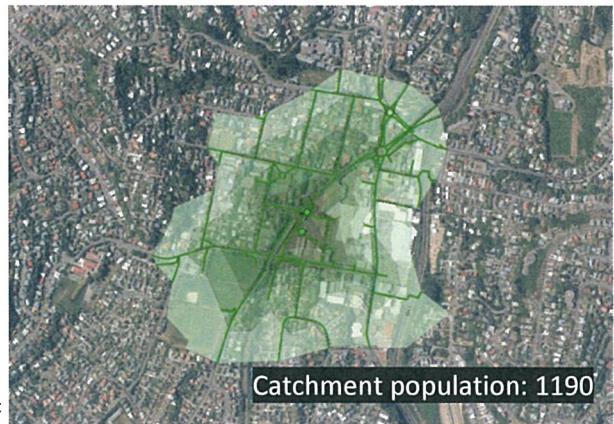


Stop location map

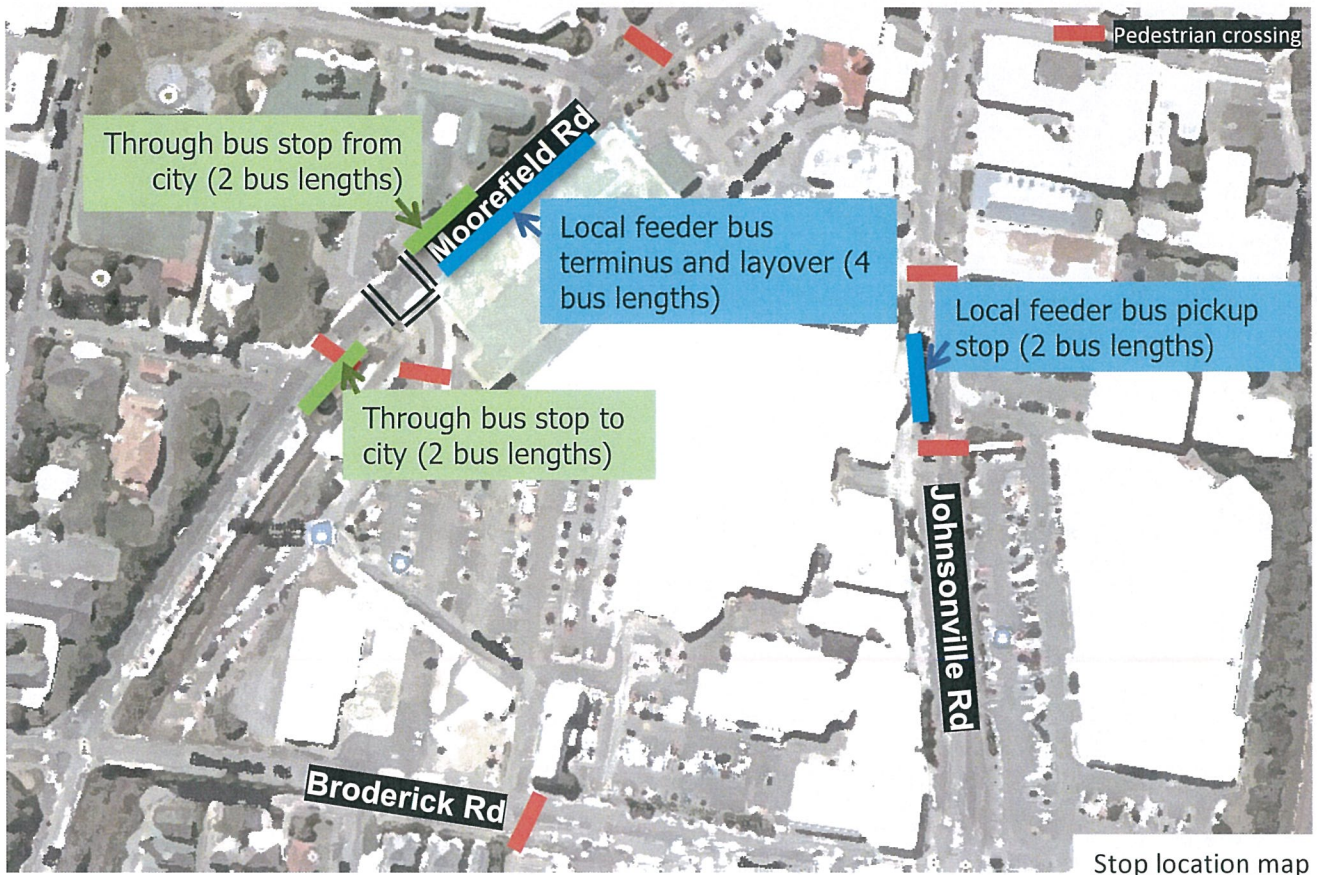
Route map



500m Catchment map of Main Stops

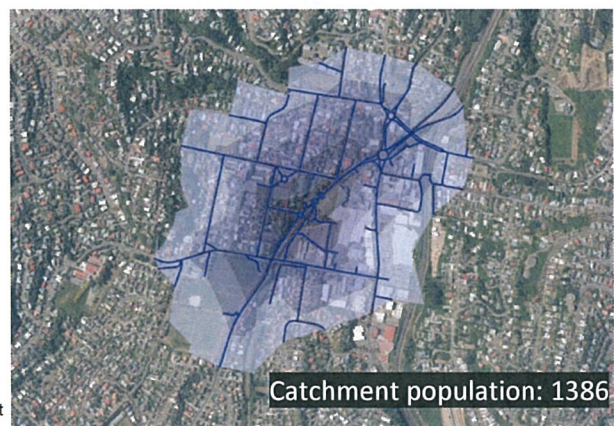
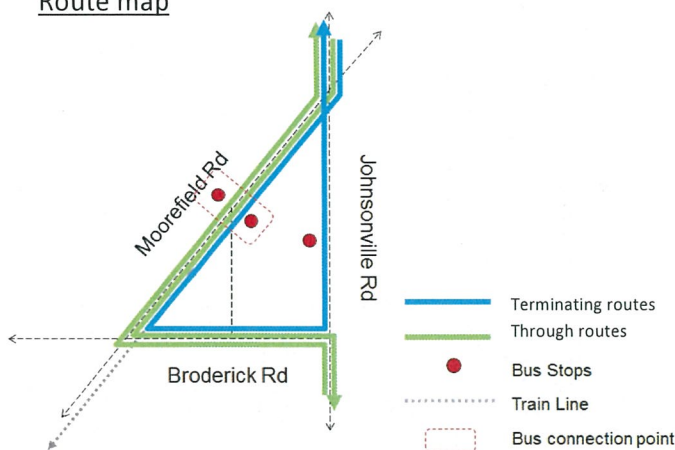


Moorefield Road Public Transport Interchange



Route map

500m Catchment of Main Stops



Below is a summary of minimum bus stop requirements for an on street interchange option on Moorefield Road (also includes consequential bus stop requirements on Johnsonville Road). We are keen to discuss detail requirements with WCC as WCC develops its plans for the library/community centre development and discussion with the Mall developer progress.

Vehicles

Facility to have geometry capable of handling double deck buses and buses up to 13.5m in length.

Moorefield Road Interchange Requirements

- a) Bus stand to city – 2 bus lengths (east side Moorfield Rd) 30m bus box with 15m entry taper and 9m exit taper*

- b) Layover and local terminating bus stand for up to 4 buses (on Moorefield Road adjacent to A and B) 63m bus box with 15m entry taper and 9m exit taper*
- c) Bus stand from city – 2 bus lengths (west side Moorefield Rd) 30m bus box with 15m entry taper and 9m exit taper*
- d) Local feeder pick up on Johnsonville Rd (west side Johnsonville Rd) 30m bus box with 15m entry taper and 9m exit taper

*Entry and exit taper distances may be reduced where stops are located adjacent to intersections. Driveways may occupy the taper area. Some bus stand lengths may be able to be reduced off-peak as part of a detailed proposal. Requested bus stand lengths are based on 13.5m tag axle bus with minimum 3m between buses where independent access is not required and 9m between buses where the ability for a bus to pull out from behind a stopped bus is required. A clear exit distance of 9 m is the minimum necessary for buses to leave a stop and re-join the general traffic lane without the rear of the vehicle overhanging the kerb in the vicinity of waiting passengers¹.

Currently 5 routes terminate at Johnsonville during the week requiring layover space (47, 50, 52, 53, 210). New network continues to have 5 routes terminating and requiring layover space (G, M, P, R, T).

