



MEMO

Date: July 13, 2007

To: Public Works and Transportation Committee of Richmond City Council

From: Jane Bird, CEO Canada Line Rapid Transit Inc. (CLCO)

cc: George Duncan, Chief Administrative Officer, City of Richmond

Re: Canada Line – No. 3 Road Traffic Management Plan and Bus Diversions

Context:

- Elevated Guideway: Approx. 40% Completed along No. 3 Road (slightly ahead of schedule)
- Now approaching Richmond City Centre (just north of Ackroyd Road)
- Elevated Guideway: Completed along No. 3 Road Early 2008

Purpose:

To provide Mayor Malcolm Brodie and Richmond City Council with an update on Canada Line construction activities – in particular bus service along No. 3 Road in the late summer / fall of this year.

Background

The Canada Line traffic management plan for No. 3 Road generally involves the westerly relocation of the northbound traffic lanes into the dedicated bus lanes to allow the construction of the elevated guideway and stations along the east side of No. 3 Road. However, south of Ackroyd Road to the Canada Line terminus between Saba Road and Cook Road, the roadway narrows in the City Centre. In this area, there have never been dedicated bus lanes so we cannot readily relocate northbound traffic.

Discussion

The elevated guideway construction is comprised of three principle phases:

- Phase 1: piling construction,
- Phase 2: pile cap and column construction; and
- Phase 3: elevated guideway beam construction.

Currently, the piling construction is just north of Ackroyd Road, the pile cap and column construction is between Alexandra Road and Leslie Road, and the completed elevated guideway beam is at Aberdeen Station just south of Cambie Road.

Traffic During Phase 1:

As the elevated guideway construction approaches the City Centre and the narrow part of No. 3 Road, City staff, CLCO, Coast Mountain Bus Company, and the elevated guideway contractor, RSL, have been working closely over the past month to finalize the traffic management plan for this section of No. 3 Road. During the piling operations, traffic will be shifted west with 2 lanes of northbound traffic and 2 lanes of southbound traffic along No. 3 Road between Ackroyd Road and Cook Road. With the implementation of temporary turning restrictions by the City at key intersections, **CMBC has indicated that bus service can remain along No. 3 Road.**

Traffic During Phase 2:

During the next phase of pile cap and column construction, additional workspace is required reducing the number of traffic lanes in this section to 2 lanes of southbound traffic and a single northbound lane. The worksite in this section of No. 3 Road is very constrained with pile cap and columns being very close to the existing buildings along the east side of No. 3 Road.

The parties have worked hard on a traffic management plan for No. 3 Road during this phase; there are tradeoffs that relate to safety, bus travel time and reliability, and vehicle access.

CLCO and CMBC are proposing temporarily rerouting bus traffic off a portion of No. 3 Road. Reasons for this relocation are:

1. CMBC has determined that the reduction to a single northbound lane between Cook Road and Ackroyd Road would result in severe impacts to bus travel time and schedule reliability. With the bus diversion, CMBC can provide reliable bus service to the majority of their customers, and will ensure proper bus service and connections with the rest of the Coast Mountain service that travels down or intersects No. 3 Road
2. Richmond City Centre is a significant transit hub where the maintenance of reasonable travel time and schedule reliability is essential for the transit exchange and transfers.
3. The Richmond transit hub located at No. 3 Road and Anderson, where the majority of the bus loading occurs will be unaffected.
4. Bus diversion from No. 3 Road to Cooney Road is two short blocks and well within Coast Mountain's guidelines of 450 metre walking distance between bus stops.
5. Two #98 BLine bus stops will be affected with an average of 15 to 20 boardings affected per trip in the peak hour.

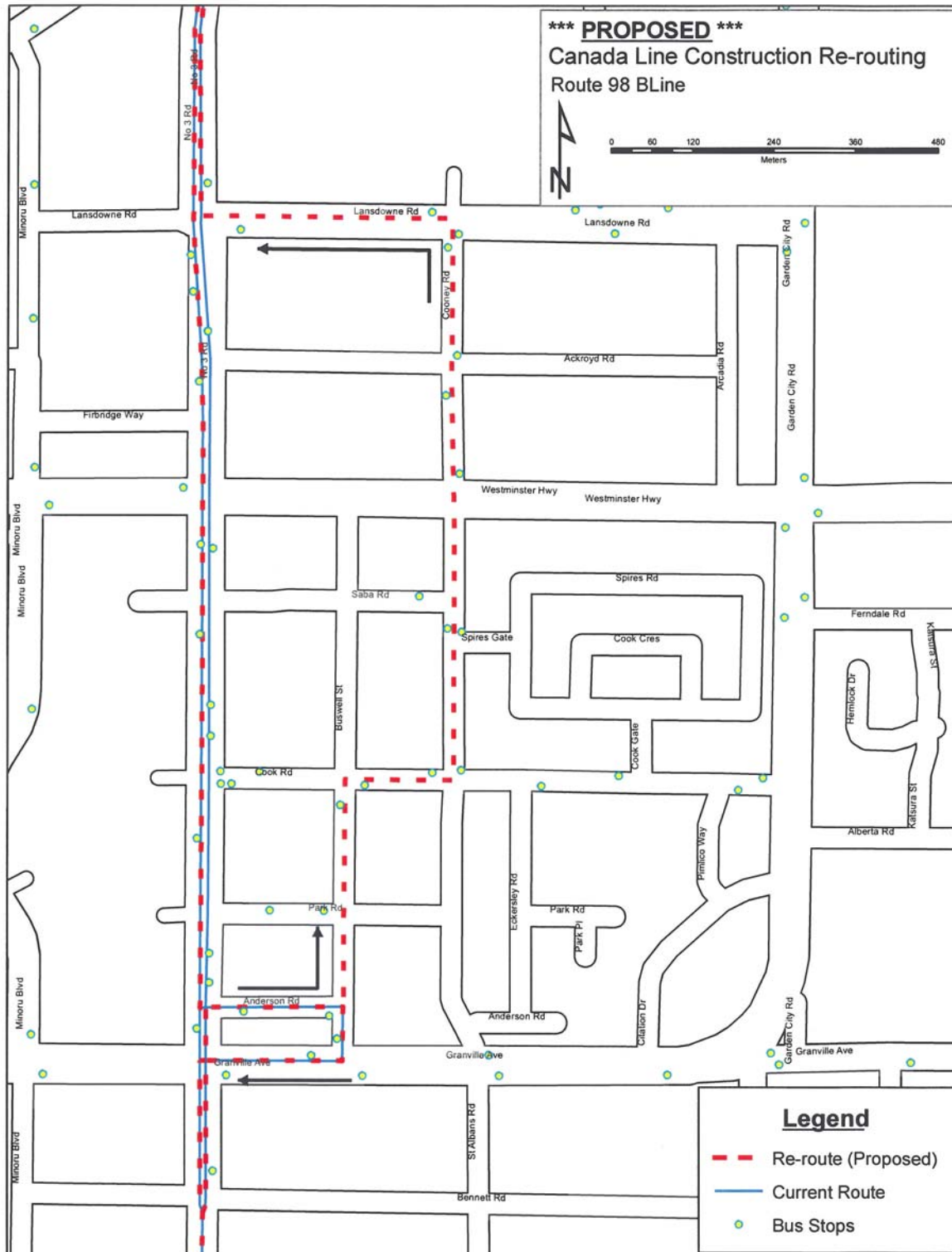
Details of the temporary bus diversion are as follows:

- Southbound bus routes along No. 3 Road are unaffected and remain as is;
- Northbound 98 BLine bus service between Anderson Road and Lansdowne Road will be rerouted as shown in Appendix A via eastbound Anderson Road, northbound Buswell Street, eastbound Cook Road, northbound Cooney Road, westbound Lansdowne Road, and northbound No. 3 Road resuming regular route. There will be 2 northbound BLine bus stops that will be affected.
- All northbound bus routes along No. 3 Road, between Cook Road and Lansdowne Road will be diverted to other streets, affecting six regular bus routes and one community shuttle route as shown in Appendix B. There will be 3 northbound bus stops that will be affected.
- Diversion will be in place for approximately 3 months from mid August to mid November 2007 during the pile cap and column construction activity between Ackroyd and Cook Road.

Traffic During Phase 3:

Once the columns are finished, **northbound bus routes will be restored along No. 3 Road**, between Cook Road and Lansdowne Road, as the guideway beam construction allows the provision of two northbound lanes to be returned. This is expected to occur by mid November 2007 prior to the holiday shopping season. The parties have worked hard to maintain bus service along No. 3 Road for as much of the Canada Line construction as possible. However, this bus diversion is necessary to ensure safety for the construction activities and the traveling public, and to ensure service reliability for the majority of CMBC's customers.

PROPOSED REROUTINGS NORTHBOUND #3 ROAD #98 BLine



PROPOSED REROUTINGS NORTHBOUND #3 ROAD - CANADA LINE

Routings subject to CoR engineering works

Route	West/ Northbound	East/ Southbound
98 B-Line N10	From Anderson Road EB Anderson, NB Buswell, EB Cook, NB Cooney, WB Lansdowne, NB #3 Road and regular route.	Regular route to Anderson and #3 Road
401 Garden City/ One Road	From Bay 4 WB Cook Road, via Cook, SB #3 Rd, WB Granville, NB Minoru, WB Westminster Highway and regular route.	Regular route to Bay 4 WB Cook Rd.
405 Cambie/ Five Road	From Bay #3 WB Cook, SB #3 Rd, EB Park, NB Buswell, EB Cook, NB Cooney, EB Lansdowne and regular route.	Regular route To Bay #3.
407 Bridgeport/ Gilbert	From Bay 4 WB Cook Road, via Cook, SB #3 Rd, WB Granville, NB Minoru, WB Westminster Highway and regular route.	Regular route to Bay 4 WB Cook Rd.
410 22 nd Street Station/ Railway	Route from #3 Road and Granville route via NB #3 Road, EB Park (temporary bus stop EB Park, FS #3 Rd), NB Buswell, EB Cook, NB Cooney, WB Lansdowne, #3 Road and regular route. Short turn trips route via NB Buswell, EB Cook, NB Cooney, WB Lansdowne, #3 Road and regular route.	Regular route. Short turn trips route regular route SB #3 Rd, EB Park to temporary bus stop EB Park, FS #3Rd
480 UBC/ Richmond	EB Park (temporary bus stop EB Park, FS #3 Rd), NB Buswell, EB Cook, NB Cooney, WB Lansdowne, #3 Road and regular route. (this will change after Sept 3 to EB Lansdowne and regular route)	Regular route SB #3 Rd then EB Park, to temporary bus stop EB Park, FS #3Rd.
C96 East Cambie/ Richmond Centre	From Bay 8 on Park Road EB on Park Rd, NB #3 Rd, EB Cook Rd, NB Cooney to Lansdowne and regular route.	No change

