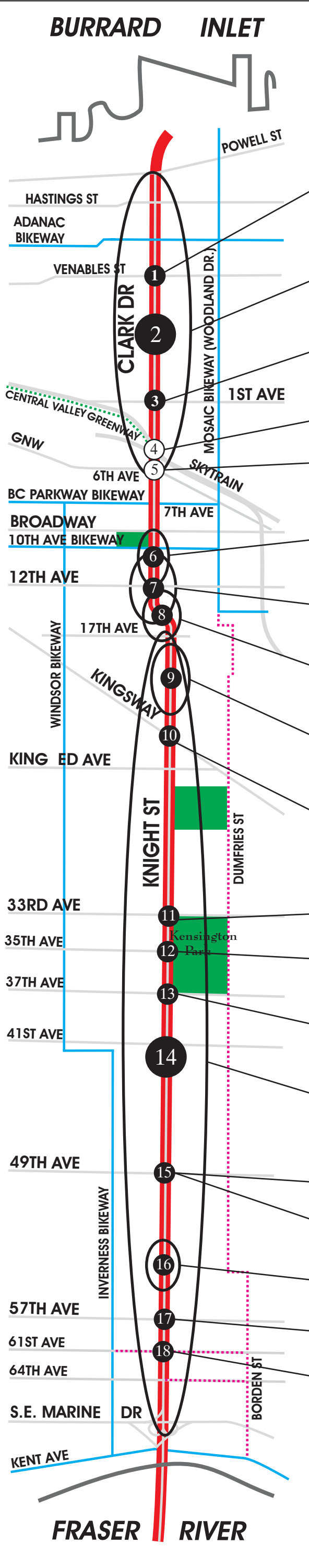


Clark - Knight Corridor Plan

Corridor Projects

Corridor Strategies



Increase green light arrow time for left turn advance. Install sign on Venables St. for eastbound motorists. Install Route 1 via Hastings St. and route 1 via 1st Ave. signs.

Achieve minimum desired lane width to match the rest of the Corridor from Powell to 6th Ave.

Install signal loop at 1st Ave. to trigger left turn advance for southbound to eastbound.

Central Valley Greenway - Install landscaped island.

Approved Left Turn Bay at 6th Ave. to be constructed summer 2005.

Widen sidewalk @ N/E corner. Apply 7am to 7pm No Stopping restrictions between Broadway & 12th Ave.

Increase green time at 12th Ave for north/south traffic to facilitate remove of southbound lane.

Redesign diversion between 13th & 15th Ave. to reduce weaving conflicts and enhance landscaping.

Construct a landscaped median between 15th & 21st Ave. Remove parking on the west side.

Improvements associated with Development. Council report June 22, 2004.

Install North/South Left Turn Bays at 33rd Ave.

Remove pedestrian crosswalk at 35th Ave. and guide movement to 33rd & 37th Ave.

Install right in/right out diverter at 37th Ave. Convert pedestrian actuated signal to full signal.

Proposed 0.6m (2ft.) Right of Way or strip of land from property owner will be acquired for boulevard enhancement from 17th Ave. to Marine Dr .

Install North/South Left Turn Bays at 49th Ave.

New stop at 49th Ave. For the new Richmond Centre - Metrotown Bus Route.

Redesign curve at 54th Ave. to provide wider lanes for

Install North/South Left Turn Bays at 57th Ave.

Install cyclist push button at 61st Ave..

Endorsement of North/South Bikeway (Borden/Dumfries)

Retain ROW width @ 24.4m (80ft.) except for widening required for left turn bays and the Boulevard enhancement strategy.

Optimize signal coordination

Retain existing parking regulations but allow City Engineer to install no stopping 7am to 7pm if needed.

Install Bike racks at various locations

Apply a 1.5m minimum width policy for new sidewalks.

Apply a 1.2m minimum width policy for boulevards to allow for street trees.

Install Public Art in conjunction with major projects where possible.

Enhanced speed enforcement through TEP (Targeted Traffic Enforcement Program).

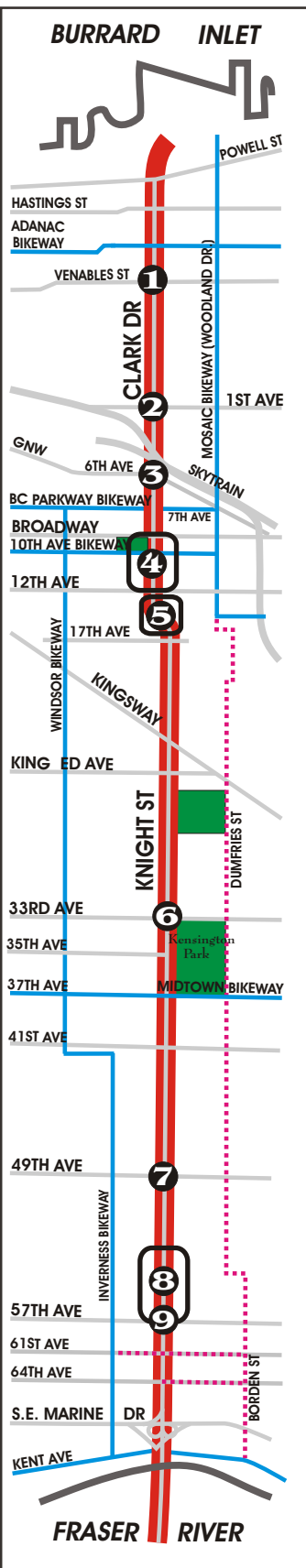
Additional red light camera recording units.

LEGEND

- EXISTING CITY BIKEWAY
- NEW PROPOSED BIKEWAY (CLARK-KNIGHT PROCESS)
- # PROPOSAL CLARK-KNIGHT PROCESS
- # OTHER CITY PROJECTS



General Traffic



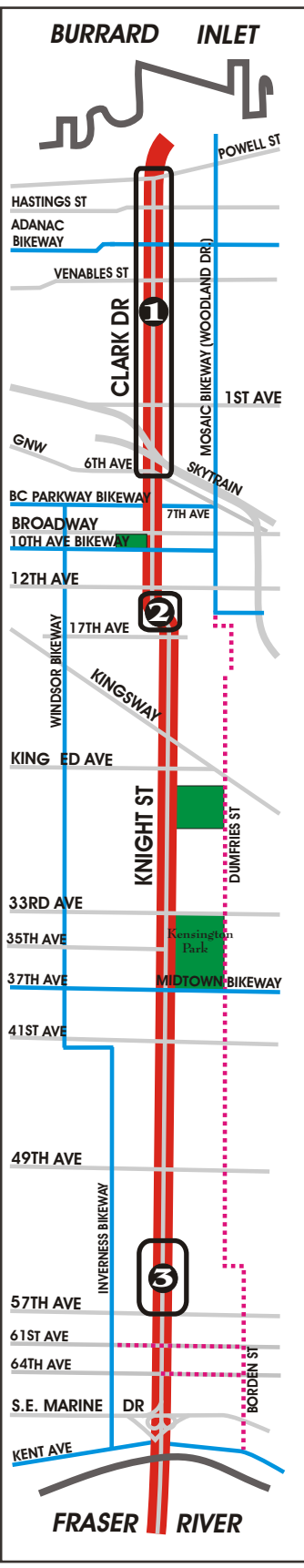
Location	Description	Timing	Cost
① Venables	Increase green time for left turn advance. Install signs at Clark and Venables directing traffic to Highway 1 via Hastings and 1st.	2005	\$70,000
② 1st Ave.	Install southbound to eastbound left turn signal on Clark at 1st Ave.	2005	\$70,000
③ 6th Ave.	Northbound Left Turn Bay.	Currently under construction	\$3,300,000
④ Broadway to 12th Ave.	Parking restrictions: No stopping Monday to Friday between 7am & 7pm	2005	
⑤ 13th to 15th Ave.	Redesign diversion to reduce weaving conflicts. Increase landscaping on boulevard and provide landscaped medians.	2009-2011	\$1,000,000
⑥ 33rd Ave.	Install Left Turn Bays.	2006-2008	\$3,000,000
⑦ 49th Ave.	Install Left Turn Bays on north & south legs.	2005-2007	\$3,000,000
⑧ 54th to 57th Ave.	Redesign diversion to provide wider lanes for trucks.	2006-2008	\$1,200,000
⑨ 57th Ave.	Install Left Turn Bays on north & south legs.	2006-2008	\$3,000,000
Entire corridor	Optimize green light times and signal coordination.	2006-2008	

LEGEND

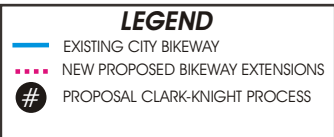
- EXISTING CITY BIKEWAY
- - - NEW PROPOSED BIKEWAY EXTENSIONS
- # PROPOSAL CLARK-KNIGHT PROCESS

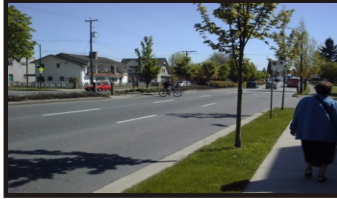


Goods Movement

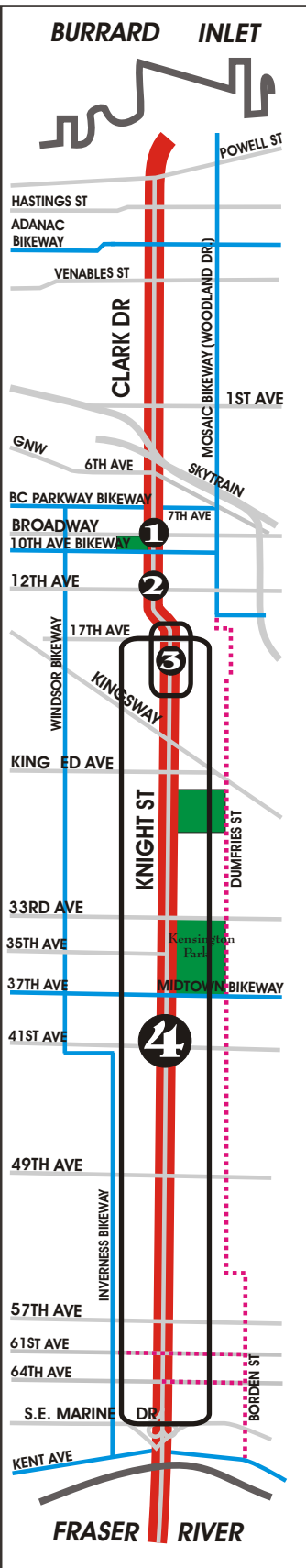


Location	Description	Timing	Cost
① Powell to 6th Ave.	Widen lanes to match the rest of the corridor.	2009-2011	Through existing programs.
② 13th to 15th Ave.	Redesign diversion to reduce weaving. Install landscape medians and increase landscaping on boulevard.	2009-2011	\$1,000,000
③ 54th to 57th Ave.	Redesign diversion to provide wider lanes for	2006-2008	\$1,200,000

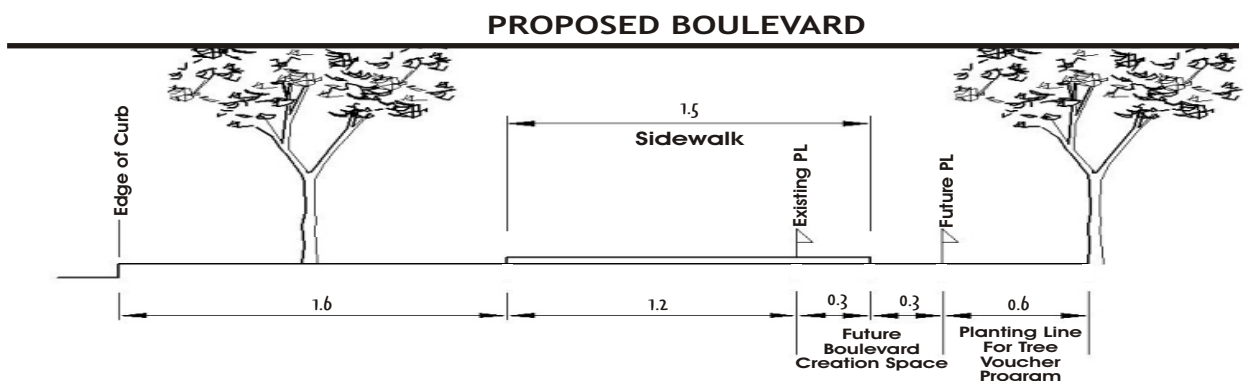




Streetscape Improvements



Location	Description	Timing	Cost
① S/W corner of Broadway & Clark	Temporary green pocket and clean-up of City owned lot.	2006	\$15,000
② S/E corner of 12th Ave. & Clark.	Remove right turn lane and increase green space.	2006	\$25,000
③ 15th to 21st	Install landscaped median.	2006-2008	\$600,000
④ 17th to Marine Dr.	A) <i>Proposed Boulevard</i> . 2ft (0.6m) Right of Way or strip of land from property owner will be acquired for boulevard enhancement. The City will rebuild sidewalks and plant street trees between the curb and sidewalk. B) <i>Tree Voucher Program</i> . (The City will rebate the cost of planting a mature tree in the front yards of Knight St. residents.)	2005-2014 Fall 2005	\$5,000,000 \$750 per Tree Voucher

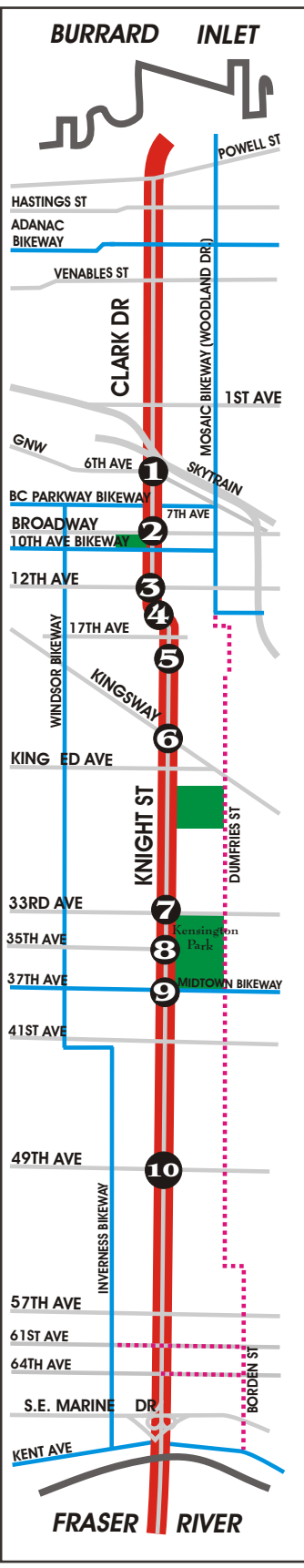


LEGEND

- EXISTING CITY BIKEWAY
- ⋯ NEW PROPOSED BIKEWAY EXTENSIONS
- # PROPOSAL CLARK-KNIGHT PROCESS



Pedestrian, Cyclist & Crossing Improvements



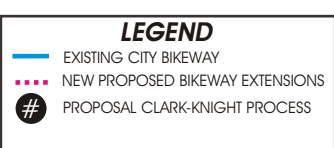
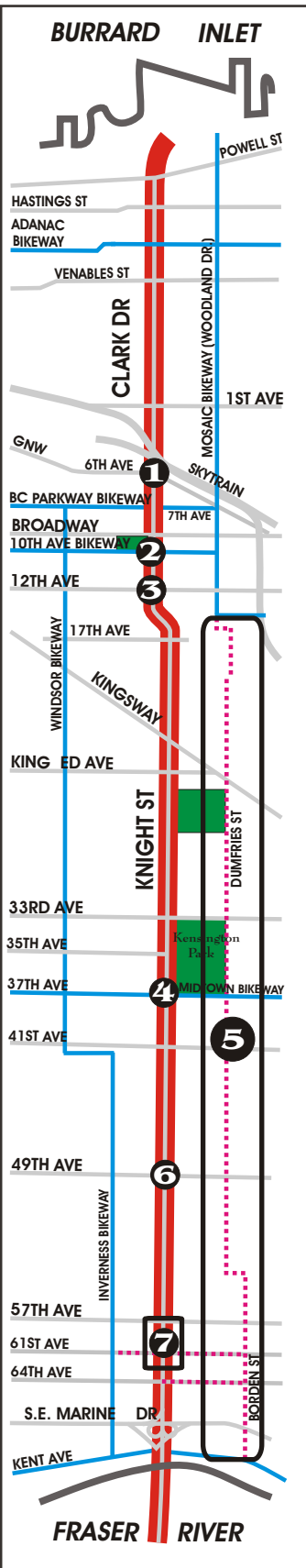
Location	Description	Timing	Cost
1 6th Ave	Install audible signal.	2006	From Traffic Signals
2 Broadway	A) Widen sidewalk at NE-corner. Requires work on retaining wall. B) Repaint blue lines on sidewalks Queen Alexandra Elementary school.	2005	\$15,000
3 12th Ave	Install audible signal.	2006	From Traffic Signals
4 15th Ave	Install audible signal.	2006	From Traffic Signals
5 18th Ave	Install pedestrian actuated signal when warrant can be met or in conjunction with Dumfries/Borden Bikeway.	2009-2011	\$75,000
6 Kingsway	A) Streetscape improvements associated with redevelopment. B) Install audible signal.	Ongoing	Funded
7 33rd Ave	Install audible signal.	2006	From Traffic Signals
8 35th Ave	Remove pedestrian crosswalk and guide pedestrian movements to Knight and 33rd with new path through Kensington Park.	2005-2006	\$25,000
9 37th Ave	Install audible signal.	2006	From Traffic Signals
10 49th Ave	Repaint blue lines on sidewalks, enhance pedestrian realm & mitigation measures near Sir Sandford Fleming Elementary school.	2005	From Streets Maintenance
Various locations	Install curb ramps. Approximately 50 locations.	2005-2006	\$125,000
Entire Corridor	Enhanced speed enforcement through TTEP (Targeted Traffic Enforcement Program). Install additional red light camera recording units.	2005	

LEGEND

- EXISTING CITY BIKEWAY
- - - NEW PROPOSED BIKEWAY EXTENSIONS
- # PROPOSAL CLARK-KNIGHT PROCESS



Cycling & Transit



Location	Description	Timing	Cost
① 6th Ave	A) Central Valley Greenway potential landscaped	2006-2008	
	B) Provide bus shelters at existing stops.	2005-2006	Via Decaux Viacom agreement
② 10th Ave	Install pedestrian & cyclist signals and signage that indicates to motorists not to stop in the intersection.	2005	\$75,000
③ 12th Ave	Provide bus shelters at existing stops.	2005-2006	Via Decaux Viacom agreement
④ 37th Ave	Install right in / right out diverter on the east and west sides of Knight Street.	2005-2006	\$60,000
⑤ Dumfries/Borden	New north/south Bikeway.	2009-2011	\$1,200,000
⑥ 49th Ave	Richmond to Metrotown express. New stop at 49th & Knight.	Dec. 2004	
⑦ 57th, 58th, 60th, 62nd Ave.	Provide bus shelters at existing stops.	2005-2006	Via Decaux Viacom agreement
Hastings, 3rd, Broadway, King Edward, 41st, 49th, & 57th.	Install Bike Racks.	2006-2008	Via Decaux Viacom agreement
Various	Upgrade all old bus shelters to new style.	2006	Via Decaux Viacom agreement



Adding Public Art to the Corridor



Public Art could help humanize the Corridor by:

- providing a theme with linked artwork at key points.
- reinforcing neighbourhood identity with imagery on retaining walls, poles, median placements, and schools.

\$100,000 in total will be allocated for public art on the corridor. Sites for the art may be at some or all of the following locations.

- 1 Clark/Knight diversion between 13th and 15th Ave.
- 2 left turn bay location at 33rd Ave.
- 3 left turn bay location at 49th Ave.
- 4 redesigned roadway between 54th and 55th Ave.
- 5 left turn bay location at 57th Ave.

