

Queensborough to Quayside Pedestrian/Cycling Crossing Proposals

- \$6.2 million in “Development Assistance Compensation” funding from casino dedicated to the crossing, must be used by 2017
- High level crossing studied previously, found to be unaffordable, visually intrusive and much more difficult to cross since must be 22m high to clear river shipping channel
- Ferry crossing considered, problematic in bad weather and colder, darker times of year
- The City and Southern Railway of BC (SRY) met late last year to discuss a direct, accessible low-level crossing on and near around the existing rail bridge.
- SRY would consider adapting operating procedures to allow low-level crossing to typically be in the normally closed position (i.e., available to pedestrians for cyclists to cross at most times).
- Two options were developed and analysed by Associated Engineering:
 - Both options have a raised causeway from the boardwalks on each side of the river leading to a movable centre span
 - Option A: a walkway attached to the existing rail swing bridge, estimated cost: \$5 million
 - Option B: a separate “bascule bridge” i.e., a draw bridge, estimated cost: \$9.65 million



Example of a bascule bridge in Auckland, New Zealand

A preliminary evaluation has been done of criteria for both options:

Evaluation Matrix	Option A: Connected Bridge	Option B: Bascule Bridge
Initial Cost	\$5.0 million	\$9.6 million
Life Span	Will depend on maintenance of the existing bridge and SRY operating requirements	75 years
Maintenance Cost	Equal	Equal
Risks	Fewer (included in cost estimate)	Greater (included in cost estimate)
Permitting Issues	Favourable	Not Favourable
Aesthetics	Not Favourable	Favourable
Daily Closures	22	Less than 10
Separation from Railway (Safety and Security)	Not Favourable	Favourable
Pedestrian Comfort	Not Favourable	Favourable

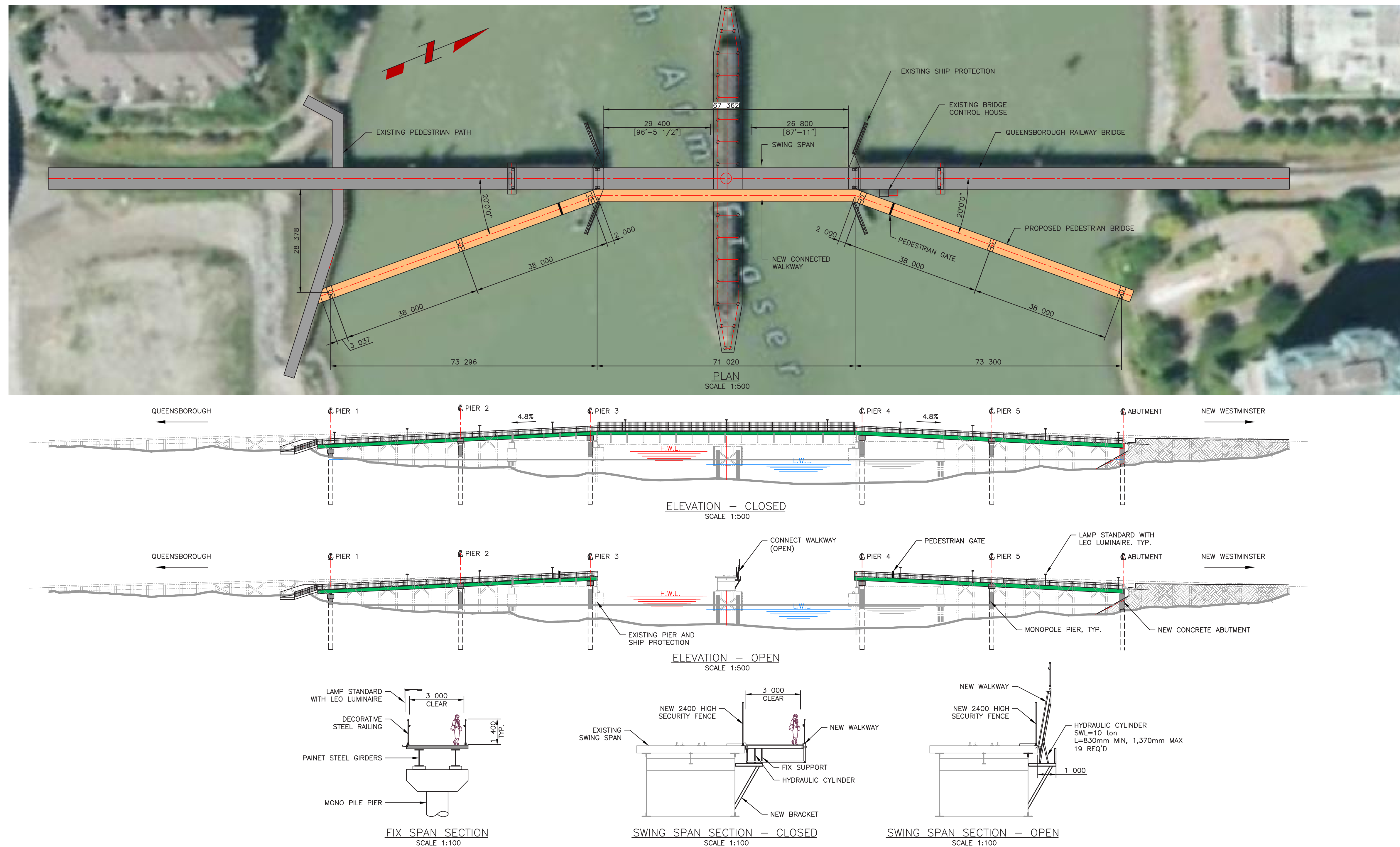
Issues for community feedback:

- Preferred crossing option;
- Design elements, including public art and landscaping;
- Greenway, transit and neighbourhood connections;
- Identification and mitigation of any potential impacts;
- Safety and security; and
- Accessibility.

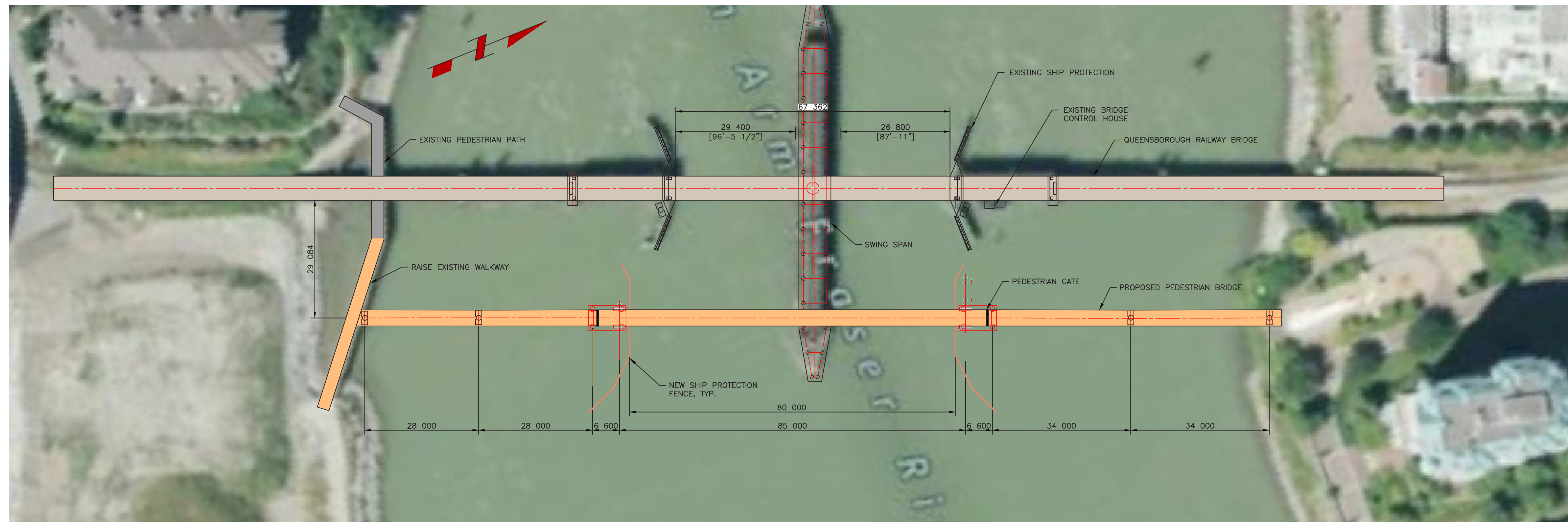
Please fill out the feedback form or send your comments to:

mallison@newwestcity.ca

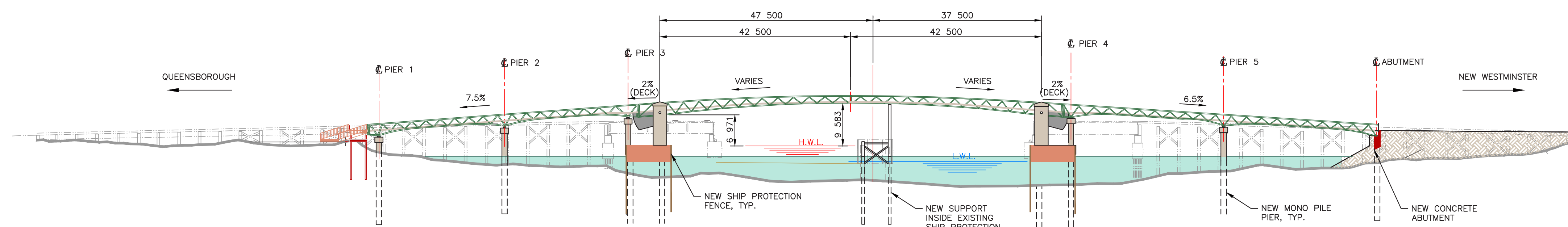
OPTION A: CONNECTED BRIDGE CONCEPT SKETCH



OPTION B: BASCULE BRIDGE CONCEPT SKETCH



PLAN
SCALE 1:500



ELEVATION - CLOSED
SCALE 1:500

OPTION B: BASCULE BRIDGE CONCEPT SKETCH

