

Table A2

**Comparison of roughness at crossings
(internal u/s and d/s bridge sections)**

			Existing n' value	Future n' value
Crossing Station				
Hazeldean	44325	u/s	0.0600	0.1870
		d/s	0.0600	0.1870
Maple Grove	43375	u/s	0.0525	0.0670
		d/s	0.0525	0.0670
Palladium	42890	u/s	0.0525	0.1000
		d/s	0.0525	0.1000
417 South	42182	u/s	0.0525	0.0650
		d/s	0.0525	0.0650
417 North	42124	u/s	0.0525	0.0520
		d/s	0.0600	0.0520
Future Transitway	41743	u/s	n/a	0.0750
		d/s		0.0750
Future Campeau	41608	u/s	n/a	0.0750
		d/s		0.0750
Richardson	40092	u/s	0.0600	0.0750
		d/s	0.0600	0.0750

Notes:

1. Digital copies of modeling received from City of Ottawa in November 2009.
2. Existing = existing condition TPR model of record (modified as per Fernbank existing conditions).
3. Future = future condition TPR model of record modified to include Fernbank in a developed condition (high 'n' values at bridges and lowered 'n' values for channel and approx. 50% of overbanks).