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# **Appendix C**

## **BRIDGES**

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# **GLOSSARY OF ABBREVIATIONS**

## **( Bridges )**

### **BRIDGE MATERIAL**

C	- CAST IN PLACE CONCRETE
P	- PRECAST CONCRETE
S	- STEEL
T	- TIMBER / WOOD

### **BRIDGE TYPE**

BC	- BOX - CLOSED FOOTING
BO	- BOX - OPEN FOOTING
BT	- BOX / TRAPEZOIDAL
FI	- FRAME - INCLINED LEGS
IB	- I-BEAMS OR GIRDERS
OT	- OTHER
RF	- RIGID FRAME - VERTICAL LEGS
SS	- SOLID SLAB
TB	- T-BEAMS

### **BRIDGE ARTICULATION**

F	- FIXED
H	-HINGED
S	- SIMPLY SUPPORTED
C	- CONTINUOUS

### **DECK TYPE**

CC	- CONCRETE, CAST IN PLACE
TP	- TRANSVERSE LAMINATED TIMBER, PRESTRESSED
WP	- TIMBER / WOOD PLANKS

### **BRIDGE IMPROVEMENTS**

CDR	- COMPLETE DECK REPLACEMENT
CDS	- CONCRETE DECK SOFFIT REPAIRS
CSS	- COAT STRUCTURAL STEEL
EIR	- EMBANKMENT IMPROVEMENTS / REHABILITATION
IAG	- INSTALL APPROACH GUIDERAILS
LMC	- LATEX MODIFIED CONCRETE OVERLAY
OTH	- OTHER
OWP	- OVERLAY, WATERPROOF & PAVE
PWP	- PATCH, WATERPROOF & PAVE
REB	- REMOVE EXISTING BRIDGE
RIR	- RAILING IMPROVEMENT / REPLACEMENT
RRW	- REHABILITATE / REPLACE RETAINING WALLS
RSB	- REHABILITATE SUBSTRUCTURE
RSL	- REPLACE BRIDGE - SAME LOCATION
RSP	- REHABILITATE SUPERSTRUCTURE
RWS	- REMOVAL OF EXISTING ASPHALT WEARING SURFACE AND BRIDGE DECK WATERPROOFING
SPI	- SCOUR PROTECTION IMPROVEMENT
TJS	- TRANSVERSE EXPANSION JOINT SEAL REPLACEMENT
WSR	- WEARING SURFACE REHABILITATION

### **ENGINEERING INVESTIGATIONS**

DCS	- DECK CONDITION SURVEY
LCE	- LOAD CAPACITY EVALUATION
UWI	- UNDERWATER INVESTIGATION
HS	- HYDROLOGY STUDY

**BRIDGE INVENTORY BY BRIDGE NUMBER - MASTER LISTING**

Bridge Number	Section Number	Bridge Name	Road Name	Location	MTO Site No.	Rd Env	Postings (tonnes)	X-ing Type	Bdy	Year Const.	Mat	Type	Art	Skew	No. of Spans	Span Length	Deck Type	Deck Length	Deck Width	Deck Area	Total Project Cost (\$'000)	Eligible for Subsidy	Municipal Share of Cost (\$'000)	
000001		QUEEN STREET BRIDGE	QUEEN STREET	0.20 km E of MAIN STREET	037 - 0043			O - RWY	N	1974	P	IB	S	0	3	9.1-16-9.1	CC	34.6	12.8	443	33.0	EFS	33.0	
000002		HOLLAND RIVER BRIDGE	QUEEN STREET	0.30 km E of MAIN STREET OVER HOLLAND RIVER	037 - 0044			O - WAT	N	1974	P	BT	S	R	15	2	15.0-15.0	CC	31.1	12.8	398	128.5	RFS	128.5
000003		QUEEN STREET BRIDGE	QUEEN STREET	0.05 km W of CHARLES STREET OVER BOGART CR	037 - 0070			O - WAT	N	1974	C	BC	F	L	2	2	4.9-4.9	CC	10.9	12.8	140	0.0	EFS	0.0
000004		WELLINGTON STREET BRIDGE	WELLINGTON STREET	0.06 km W of PROSPECT ST. OVER BOGART CR				O - WAT	N	2006	P	RF	F	L	32	1	8.3	TS	9.0	16.5	149	0.0	EFS	0.0
000005		SRIGLEY STREET BRIDGE	SRIGLEY STREET	0.10 km E of PROSPECT ST. OVER BOGART CR	037 - 0068			O - WAT	N	1960	C	RF	F	L	15	2	3.2-3.2	CC	7.3	11.6	85	45.0	EFS	45.0
000006		FRED A LUNDY BRIDGE	WATER STREET	0.10 km E of MAIN STREET SOUTH	037 - 0066			O - WAT	N	1962	P	IB	S	L	10	1	15.9	CC	16.5	12.8	211	0.0	EFS	0.0
000008		LYDIA STREET BRIDGE	LYDIA STREET	0.20 km E of PROSPECT ST. OVER BOGART CR	037 - 0338			O - WAT	N	1960	C	BC	F	R	3	2	3.2-3.2	CC	7.0	12.2	85	53.5	EFS	53.5
000009		TIMOTHY STREET BRIDGE	TIMOTHY STREET	0.20 km E of PROSPECT ST. OVER BOGART CR				O - WAT	N	2002	C	RF	F	0	1	5.2	TS	6.7	9.0	60	0.0	EFS	0.0	
000010		CHARLOTTE STREET BRIDGE	CHARLOTTE STREET	0.04 km W of MAIN STREET				O - WAT	N	1990	C	BO	F	0	1	4.6	CC	5.4	8.5	46	0.0	EFS	0.0	
000011		MAIN STREET NORTH BRIDGE	MAIN STREET NORTH	0.15 km N of MAIN STREET NORTH				O - WAT	N	1950	C	SS	H	L	5	1	5.7	CC	6.5	14.1	92	187.0	EFS	187.0
000012		STELLAR DRIVE BRIDGE	STELLAR DRIVE	0.30 km E of LESLIE STREET				O - WAT	N	1980	C	BC	F	0	1	3.7	CC	4.3	14.0	60	41.5	EFS	41.5	
000013		KERRISDALE BOULEVARD	KERRISDALE BOULEVARD	0.31 km S of RINGWELL DRIVE				O - WAT	N	1988	P	BC	F	0	1	3.0	CP	3.6	24.4	88	207.0	EFS	207.0	
000014		HOUNDTRAIL SWM POND BRIDGE	MAINTENANCE ACCESS ROAD	0.30 km E of ARMITAGE VILLAGE SCHOOL				O - WAT	N	1990	C	AS	L	0	2	7.4-7.4	CC	15.8	4.7	74	0.0	EFS	0.0	
000015		TANNERY CREEK BRIDGE	SOUTHWEST SANITARY TRUCK MAINT ACCESS	0.20 km E of FOXTAIL RIDGE				O - WAT	N	1995	S	OT	S	0	1	9.0	WP	9.0	4.3	39	0.0	EFS	0.0	
000016		HASKET PARK EAST FOOTBRIDGE		0.06 km N of 173 MILLARD AVE.				O - WAT	N	2009	S	HT	S	0	1	10.0	TL	10.0	3.2	32	0.0	EFS	0.0	
000017		HASKET PARK WEST FOOTBRIDGE		0.10 km S of MILLARD AVE / QUEEN ST INT.				O - WAT	N	2008	S	HT	S	0	1	10.0	TL	10.0	3.2	32	0.0	EFS	0.0	
000018		TOM TAYLOR TRAIL BRIDGE	TOM TAYLOR TRAIL	0.60 km W of BAYVIEW AVENUE				O - WAT	N	2008	S	HT	S	0	3	6.7	GO	48.6	2.4	120	0.0	EFS	0.0	
000328		WESTERN CREEK	TANNERY MALL COMPLEX	0.30 km N of DAVIS DRIVE				O - WAT	N	2008	P	BT	S	0	1	10.1	CC	16.9	9.3	157	13.5	EFS	13.5	
000401		GEORGE RICHARDSON PARK FOOTBRIDGE	NORTH END OF GEORGE RICHARDSON PARK	0.10 km E of BAYVIEW PARKWAY				O - WAT	N	2006	W	HT	S	0	1	10.5	WP	11.0	2.0	22	0.0	EFS	0.0	
000402		GEORGE RICHARDSON PARK FOOTBRIDGE	SOUTH END OF GEORGE RICHARDSON PARK	0.05 km E of BAYVIEW PARKWAY				O - WAT	N	1980	S	OT	S	0	1	17.6	WP	18.2	2.0	36	0.0	EFS	0.0	
000403		HOLLAND RIVER FOOTBRIDGE	THE OLD DAVIS TANNERY PARKING LOT	0.25 km N of DAVIS DRIVE				O - WAT	N	1980	S	OT	S	0	1	10.4	WP	15.2	2.0	30	0.0	EFS	0.0	
000404		FAIRY LAKE BRIDGE	NORTH END OF WESLEY BROOKS PARK	0.20 km E of CANE PARKWAY				O - WAT	N	2006	W	HT	S	0	1	24.0	WP	24.6	3.5	86	57.0	EFS	57.0	
000405		HOLLAND RIVER FOOTBRIDGE	SOUTH END OF WESLEY BROOKS PARK	0.10 km E of CANE PKWY, N. OF MULOCK DR				O - WAT	N	1980	W	HT	S	0	1	10.3	WP	12.2	2.1	26	62.0	EFS	62.0	
000406		CREEK FOOTBRIDGE	BEST CIRCLE - COMFORT LANE	0.09 km W of BEST CIRCLE				O - WAT	N	1980	T	TB	F	0	1	3.8	TP	5.7	2.1	12	84.5	EFS	84.5	
000407		HOLLAND RIVER FOOTBRIDGE	SOUTH END OF WESLEY BROOKS PARK	0.10 km E of CANE PKWY, N. OF MULOCK DR				O - WAT	N	2000	S	OT	S	0	1	7.0	WP	7.9	3.0	24	57.0	EFS	57.0	
000408		HOLLAND RIVER FOOTBRIDGE	SOUTH END OF WESLEY BROOKS PARK	0.05 km S of CANE PKWY, N. OF MULOCK DR				O - WAT	N	2000	W	HT	S	0	1	7.0	WP	7.9	3.0	24	60.5	EFS	60.5	
000409		HOLLAND RIVER FOOTBRIDGE	QUEEN STREET	0.04 km S of QUEEN STREET				O - WAT	N	2002	W	HT	S	0	1	4.3	WP	4.5	3.8	17	53.0	EFS	53.0	
000410		HOLLAND RIVER FOOTBRIDGE	QUEEN STREET	0.04 km N of QUEEN STREET				O - WAT	N	2002	S	OT	S	0	1	14.8	WP	15.2	3.3	50	100.5	EFS	100.5	
000411		COLTER STREET FOOTBRIDGE	COLTER STREET	0.10 km W of COLTER STREET				O - WAT	N	2002	S	OT	S	0	1	14.6	WP	15.0	3.2	48	100.5	EFS	100.5	
000412		RADIAL RAILROAD CONCRETE ARCH BRIDGE	HOLLAND RIVER CROSSING	0.06 km N of QUEEN STREET				O - WAT	N	1900	C	OT	F	0	1	16.0	CC	17.0	20.5	349	0.0	EFS	0.0	
000413		HOLLAND RIVER FOOTBRIDGE	QUEEN STREET	0.04 km N of QUEEN STREET				O - WAT	N	2002	W	HT	S	0	1	11.4	WP	12.0	3.2	38	78.5	EFS	78.5	
000414		HOLLAND RIVER FOOTBRIDGE	BAYVIEW PARKWAY	0.43 km S of ELGIN STREET				O - WAT	N	2002	S	OT	S	0	3	15-19.5-15	WP	49.5	3.2	158	155.4	EFS	155.4	
000415		HOLLAND RIVER FOOTBRIDGE	BAYVIEW PARKWAY	0.02 km S of ELGIN STREET				O - WAT	N	2004	C	SS	C	0	5	7.5-7.5-7.5	CC	42.7	3.0	128	42.5	EFS	42.5	

NUMBER OF BRIDGES	33
TOTAL NOW NEEDS	\$155,400
TOTAL 1-5 YEAR NEEDS	\$400,500
TOTAL 6-10 YEARS NEEDS	\$1,004,500
TOTAL PROJECT COSTS	\$1,560,400
TOTAL MUNICIPAL SHARE OF COSTS	\$1,560,400



000414	Holland River Footbridge	RRW	PC	NOW	7.0	94.9		16.5	111.4	21.0	23.0	155.4	0.0	155.4	155.4
		TJR	PC	NOW	2.0										
		OTH	PC	NOW	8.5										
		CSS	PC	6-10	9.4										
		CDR	PC	6-10	68.0										
000415	Holland River Footbridge	RSB	PC	1-5	26.5	31.0		5.0	36.0		6.5	42.5	0.0	42.5	42.5
		EIR	PC	1-5	3.0										
		OTH	PC	2	1-5	1.5									
<b>TOTALS</b>					<b>\$21,000</b>		<b>\$870,900</b>		<b>\$1,109,900</b>			<b>\$1,560,400</b>			<b>\$1,560,400</b>

\* APPROACHES - DETOURS - TRAFFIC CONTROL / PROTECTION - UTILITIES - OTHER - CONTINGENCIES

**TOTAL NOW NEEDS**                    **\$155,400**  
**TOTAL 1-5 YEAR NEEDS**           **\$400,500**  
**TOTAL 6-10 YEAR NEEDS**        **\$1,004,500**